GENERAL CATALOGUE

MADE FOR WORK.

UNIOR® HAND TOOLS

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WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

UNIOR®
HAND TOOLS

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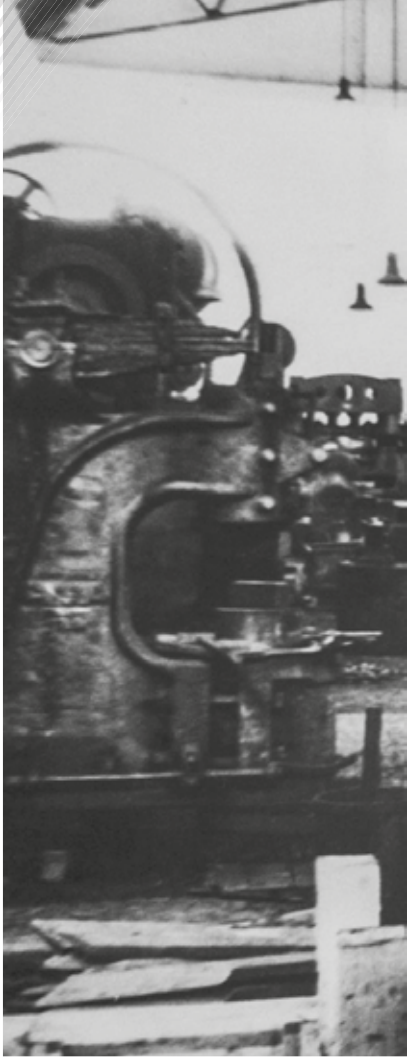
MADE IN SLOVENIA.

A CENTURY OF EXPERIENCE
FOR THE NEW MILLENNIUM.

For centuries, we have been proud of our long-standing traditions and international reputation as a development partner in the production, transformation and processing of metals. Certainly, our strengths include the combining and cooperation of different departments, as this enriches what we offer and bolsters our competitiveness, paving the way for entering tough foreign markets.



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"We are proud of our long tradition and international reputation!"

Many years of tradition, reliable and professionally trained employees, expert knowledge, state-of-the-art technological solutions, high-quality products and services, social responsibility and a modern marketing approach are features that provide us with a wide-ranging sales network with which we carefully work to cultivate the satisfaction and loyalty of the public.

We are trusted by the most respected players in the automotive industry, professional and amateur craftsmen, buyers of CNC machines, as well as many domestic and foreign users of Unior products. All have been won over by our professionalism, quality and reliability.

2022

WE GIVE QUALITY A NAME!

"The tradition of the past for the sustainable development of products for the future."

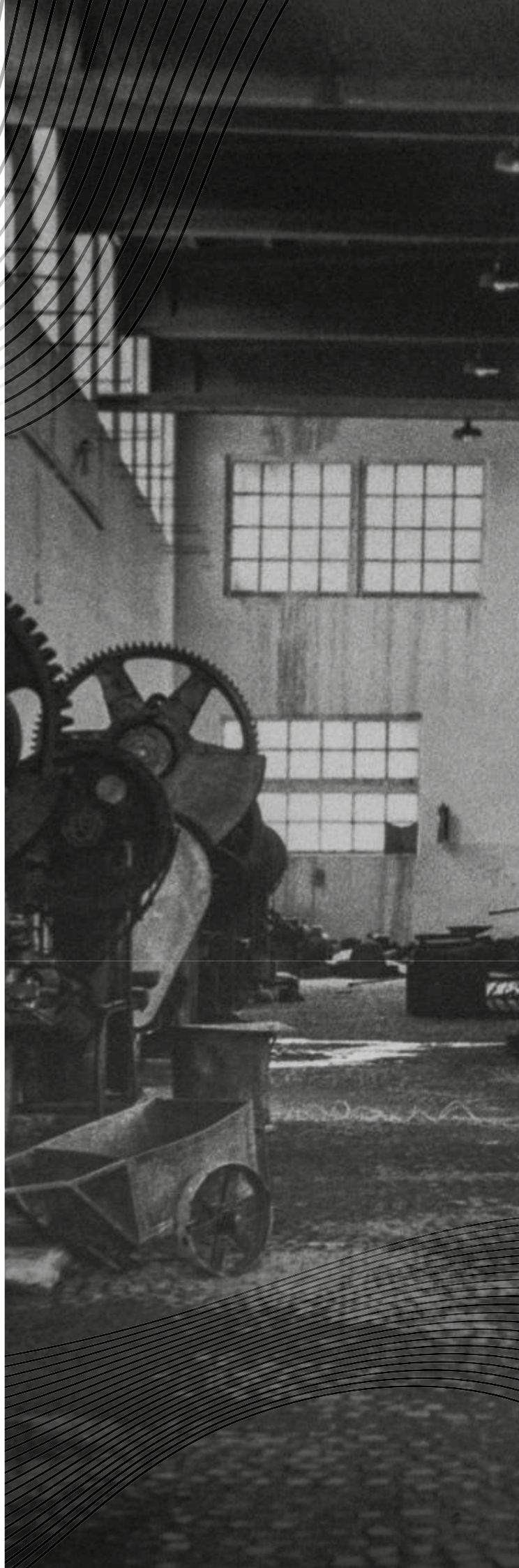
Development based on rich tradition is our mission. Only in this way will we be able to continue to develop in harmony with nature, the environment and society into a successful international company that connects us and guarantees a better future for all of us.

The tradition of the first iron works and larger forges from the Pohorje area in Slovenia still lives on in people's minds, but today they master the latest metal processing procedures. The experience of designing handy tools for agriculture, forestry and various trades is written in the character of the company, which today develops innovative and ergonomic solutions for many users of hand tools. The pride that was aroused decades ago by the first partnerships with prominent European car companies is embedded in every European car in the form of at least one piece created in Zreče.

"Unior – a global brand of hand tools!"

WE RESPECT A RICH HERITAGE.

The excellence of the programmes and companies of today's Unior Group stems from respect for the heritage of the Pohorje ironworks from the 18th century. A Styrian iron industrial company with limited connection, founded in 1919, the post-war Forged Tool Factory of Zreče, and finally Unior, which has been operating as a joint stock company since 1997, has grown with a network of companies across Europe, the USA and Asia into an important international group that combines centuries-old Slovenian blacksmith and toolmaking culture with state-of-the-art metalworking approaches. It has the advantage of combining the development of its own solutions in the field of own-brand hand tools with the biggest developmental achievements and challenges in the field of machine manufacture and metal forging.



UNIOR®
HAND TOOLS

WE ARE GUIDED BY INNOVATION.

We strive to ensure that our products have a long service life and that we use materials that are easier on the environment, lighter and more energy efficient. With the construction of hand tools, we take into account the optimal use of materials. We strive for the development of smart tools for rapid servicing, containing electrical, mechatronic and electronic components.

Product development is oriented towards sustainability. It is based on the development of partnerships, on knowledge and on innovation, leading to improved business performance for our customers.

In the future we will focus on the **growth of specialist programmes** for cycling tools, metal packaging and tools for high-voltage work.

In the field of **renewable energy sources** (solar power plants, wind farms), we are an reliable supplier of tools for high-voltage work. Our advantage is that the tools are tailored to work at height, where we follow European regulations to make safe, reliable and efficient work possible for the user.

In the field of general hand tools, we are looking to grow in the sectors of pullers and pliers, as the market specialises in this field. In cold forging, we specialise in beams, rotors and stators that are installed in hydraulic motors.

A GLIMPSE INTO THE FUTURE ...

- Maintain its position among the top five manufacturers of general hand tools in Europe.
- To be the world's leading manufacturer of cycling tools and supplier of many bicycle repair shops.
- To be the leading LMS provider in Europe for industry.
- To be an employment provider, committed to sustainable development and caring for all the stakeholders with whom we do business.

HAND TOOLS

Quality brand

For the development of hand tools at Unior, we always take into account the requirements and expectations of our customers and build long-term cooperative partnerships with them. Our products are manufactured from recyclable materials that are safe for the user and have a long service life. At the same time, they are lighter, easier on the environment and more energy efficient.

FORGING

We are trusted by the most reputable brands

With the forging of steel and machining come the creation of steering mechanisms and gearboxes, chassis supports, jigs, driveshaft elements and forgings for vehicles of the most distinguished European and world brands such as VW, BMW, Audi, Mercedes and Renault.

MACHINE TOOLS

Automated treatment of metal

Unior hardware provides comprehensive solutions from concept to final product. In addition to dedicated CNC processing machines for batch machining of aluminium castings and forgings, Unior offers flexible production cells, deep drilling machines, processing of parts and bodywork treatments, turntables, as well as specially customised machines. Unior is also a supplier of machines for renowned automotive manufacturers such as VW, BMW, Audi, Daimler and others.

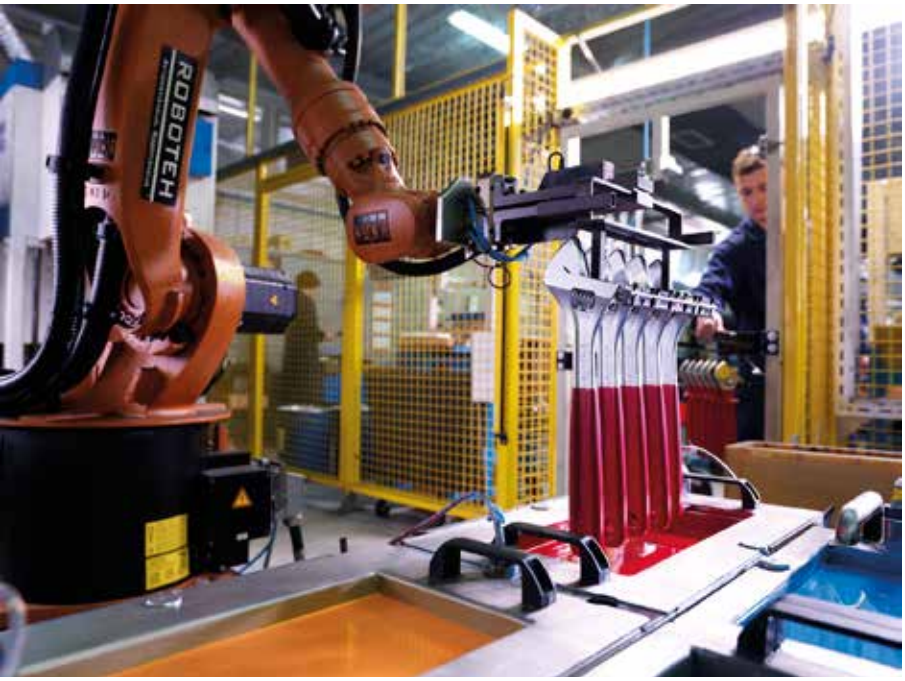
UNIOR
HAND TOOLS

"For decades now, the very best partner for professional and domestic hand tool users!"

As part of its hand tools programme, Unior annually produces **more than 100 million** tools and sheet metal storage, which are sold in **120 markets.**

With the help of state-of-the-art technology, the tools are developed by a team of experienced specialists in individual areas, and when developing hand tools, we always keep the needs of users in mind. We are committed to the continual improvement of materials, finding ergonomic solutions, taking into account all safety aspects and finding functional solutions in accordance with the latest standards and trends on the international market. Originality and improvements provide excellent usable value, more comfort and better safety at work. With these processes, Unior has shown for decades that it is the best partner for all professional hand tool users.

It is for this reason that every year we place more and more labels on our products, as well as on the packaging, so that customers get the most reliable information. When designing a product, we focus on user safety, which is why Unior products are designed in such a way to lessen the physical effort used in the performance of the work and to completely focus on the purpose of the work.



COST-EFFICIENCY is ensured by the longer service life of Unior hand tools, which is the result of excellent design and quality production.

THE OPTIMAL CONSTRUCTION OF UNIOR TOOLS ensures long-term durability, which leads to an uninterrupted work process.

THE ERGONOMIC DESIGN OF UNIOR TOOLS ensures reduced physical effort while performing work.

THE FUNCTIONALITY OF UNIOR TOOLS is expressed through time efficiency in the performance of work.

THE DEVELOPMENT OF TOOLS with added value ensures greater user productivity.

THE SUPREMACY OF UNIOR TOOLS is reflected in a complete orientation towards the purpose of the work. No slips or injuries occur.

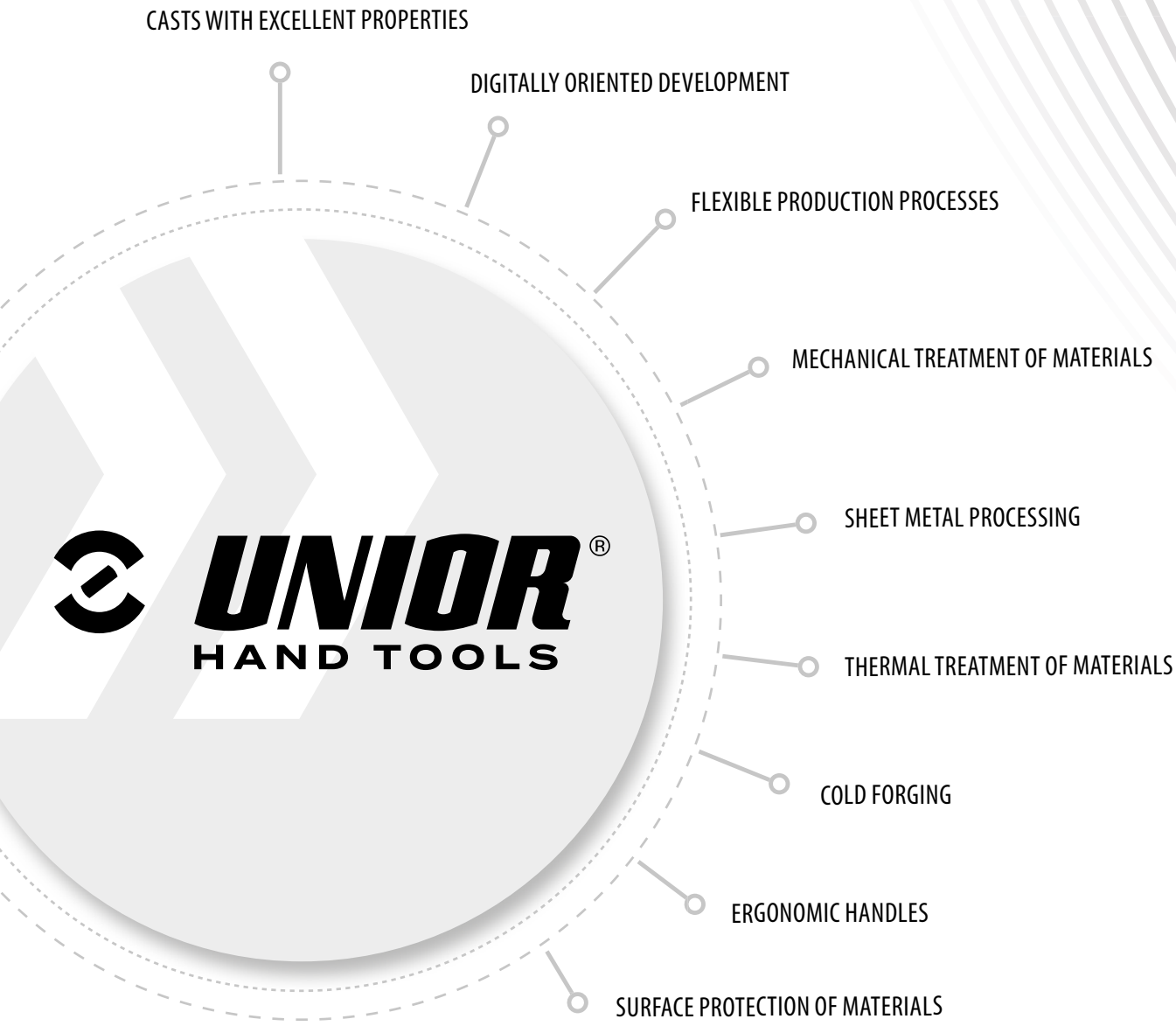
A DEVELOPMENT PARTNERSHIP to solve specific problems by developing custom tools at the user's request.

THE FLEXIBILITY and control of Unior's processes is reflected in the rapid responsiveness to the customer.

COMPLETE DEVELOPMENT CYCLE

With a comprehensive multidisciplinary development-oriented approach, Unior successfully meets the high expectations of users of its products. By taking into account the purpose, ergonomics, safety, quality and aesthetics, our solutions adapt to all customer needs.

With the ownership of a steelworks, our own forge, constantly investing in our own development, upgrading production processes and checking quality in all phases from materials to final checks, we ensure that Unior products are truly of the highest quality.



Products entirely designed and manufactured in Europe!

QUALITY AND SAFETY MARK

Unior is a reliable partner. It operates according to the EFQM business excellence model and has certificates for its products that prove our standards of quality and safety. We fulfil customer requirements and orders with up-to-date logistics. With an appropriately protected brand, with our own representative offices and with a diversified network of distributors, we provide comprehensive user information and quality after-sales services.

Our brand is protected in more than 80 countries, and the quality of the tools meets demanding global and European standards.

The high quality of products from Unior is founded on carefully planned, managed and verified processes. We operate in accordance with certified systems and international standards ISO 9001 and ISO/TS 16949 VDA 6.4. ISO 14001. Unior was one of the first manufacturers of hand tools in Europe to receive ISO 9001 quality certification for the development, production and marketing of hand tools, sheet metal storage for hand tools, and for machine forging. The tools comply with the DIN standard, as evidenced by the GS certificate. The live work tools boast a VDE certificate. The hand tools programme operates according to the EFQM business excellence model. The forgings programme meets the standards of the automotive industry VDA 6.1, QS 9000 and IATF 16949. As early as 2004, the machine manufacturing programme was the proud recipient of the VW Mexico award for best supplier of custom machines.

In addition, the Unior Hand Tools Programme is officially certified as a European manufacturer of hand tools, as we have obtained the European Brand Quality Certificate.

"Unior hand tools are accessible to users on all continents of the world."

GUIDED BY A PARTNERSHIP
WITH REAL CRAFTSMEN

Who can rely on expert demonstrations of the use of tools for specific needs, trading partners to whom Unior offers improved solutions for sales outlets and, last but not least, athletes, who achieve their goals with perfectly maintained bicycles, motorbikes and cars.

With a thorough knowledge of international standards and trends, Unior constantly develops innovations for the needs of professional users. With original solutions, it provides them with excellent functional characteristics, with ergonomics giving more comfort at work, all the while complying with the demanding high safety standards at work.

Users can learn about innovations that enable faster and simpler work through video presentations showing correct usage and instructions for safe use, which complement the entire hand tool programme on the website **www.uniortools.com.**

Users can also get to know and test out the tools with the help of a special demonstration vehicle. With specialised tool catalogues for bicycle, automotive, electrician, motorcycle, industrial and other individual user groups, Unior brings its tools closer to various professional areas.

WE CARE
FOR THE COMMUNITY

Unior, with its three programmes, is considered one of the largest employers in the region. We demonstrate our responsibility to people not only by respecting social dialogue and fulfilling the rights of employees, but also by carefully ensuring safety and health at work according to the requirements of the OHSAS 18001 standard and through additional programmes that raise the quality of people's lives.

The company is certified as a Family Friendly Enterprise, which is affiliated with the European work & family audit licence.

The reputation of the Unior brand is co-created by professional craftsmen.

Special attention is also paid to those with disabilities. Unior received a special award in 2017 from the Slovenian Ministry of Labour, Family, Social Affairs and Equal Opportunities for good practice in the employment of persons with disabilities.

"We strive to balance employees' professional and private lives and to raise their levels of satisfaction."

CARING FOR FUTURE GENERATIONS
BY REDUCING OUR CARBON FOOTPRINT

Unior is a global company, so we are aware that a strategic approach to sustainable development is vital, both for today and for the future.

"As much as 70% of purchased material comes from Slovenian suppliers!"

The objectives of all our processes are aimed at reducing negative impacts and increasing positive impacts on the environment, society and people, both inside and outside the company. The Unior Group follows a strategy of environmental protection, waste management, use of materials and resources, innovation of basic production processes, care for employees, awareness of customers, work with suppliers and active participation and contribution to economic development.

At Unior, we also transfer our management systems to our suppliers. About 70% of our purchased materials are bought from local or Slovenian suppliers, while at the same time we develop and strengthen lasting partnerships with our customers, founded on a mutual and equal relationship.

Through the entire supply chain of raw materials – Unior-Customer we strive to reduce our carbon footprint. An important part of our competitiveness in the global market is our drive for low-carbon operation, as we develop new models and solutions that reduce the impact on the environment and enable "green business". Only in this way can we guarantee long-term operation in accordance with the requirements of the ISO 14001 and ISO 50001 standards.

E-MOBILITY TO PROMOTE
SPECIALISED TOOL DEVELOPMENT

"The future lies in the custom production of tools."

E-mobility is a concept based on green energy, reducing carbon footprint and the emissions of particulate matter in transport. Today's society is increasingly striving for efficient use of energy, which would result in reducing carbon footprint, and which is why Unior is increasingly developing purpose-made tools for the repair and maintenance of e-bikes, personal electric vehicles, electric trains, electric motors and electrical heavy machinery. We also produce tools for the installation and maintenance of the electrical charging station infrastructure, while developing dedicated tools for the repair and maintenance of renewable energy equipment. We also offer tools for working at height, which are attached to the user for safe work when repairing wind turbines and solar panels.

ROBOTICS TO ACHIEVE
SUSTAINABLE DEVELOPMENT

Robotics is a major contributor to our strategy for achieving sustainable development. As such, in the future we will test the ergonomics of a tool with a 3D printer, raise the usage level of key machines, optimise the flow of production, reduce time between phases, and optimise internal transportation.

DIGITALISATION FOR
AN EASIER FUTURE

At Unior we have set ourselves high goals, which we will achieve with a carefully planned strategy and strategic goals. In the coming years we intend to carry out planned investments for increasing capacity and for the more cost-effective production of hand tools, digitalisation of production and business processes, optimisation of logistics processes in the programme, increasing productivity through automation, increasing the level of specialisation by plant, and improving efficiency in production processes by reducing flow times.

Premium

Premium chrome vanadium steel

Reliability without wear and tear
When it comes to tools, such as spanners and pipe pliers, for example, which need to withstand high loads, properties such as high tensile strength, the corresponding ductility of the material with higher elasticity and the lowest possible susceptibility to cracking are of particular importance. These requirements are particularly well met by Premium chrome/vanadium steel, an alloyed tool steel with manganese, chrome, silicon and carbon. Tools made from this steel have a long service life and are an excellent choice for many years of use.

Alloyed tool steel 31CrV3, in accordance with EU directive 2000/53/EC
- 0.60% manganese for higher tensile strength and ductility
- 0.60% chrome for lower susceptibility to cracking and higher tensile strength
- 0.30% silicon for higher elasticity
- 0.35% carbon for appropriate tool hardness

Wrenches and pipe wrenches made of chrome/vanadium steel with added alloyed elements for even better properties have a particular ergonomic shape, are safe to use and are now also characterised by even higher resistance to wear.

Premium Flex

Premium Flex chrome vanadium steel

Excellence that can withstand high torque
A lower susceptibility to cracking is particularly important for tools such as socket wrenches. Tool steel with a higher chrome and manganese content guarantees a higher tensile strength. An appropriate carbon content simultaneously ensures the corresponding hardness of the tool. Premium Flex chrome vanadium steel, an alloyed tool steel with manganese, chrome and carbon, allows for the redesign of tools that can withstand high torques.

Alloyed tool steel 25CrMo4, in accordance with EU directive 2000/53/EC
- 0.75% manganese for higher tensile strength and ductility
- 1,00% chrome for lower susceptibility to cracking and higher tensile strength
- 0.35% carbon for appropriate tool hardness

Tools made from high-quality chrome vanadium steel with a higher content of selected alloyed elements can now be even better adapted to specific uses, due to their suitability for high torques and their corresponding strength.

Premium Hard

Premium Hard chrome vanadium steel

Durability
Hand tools such as screwdrivers, the reliability, safety and long service life of which depend on the elasticity and at the same time the hardness of their shafts, are manufactured from specially alloyed tool steel, which makes it possible to achieve higher strength due to their higher content of selected elements. The molybdenum content of the tool steel Premium Hard chrome/vanadium steel results in their higher durability, tensile strength and ductility, while the increased silicon content ensures their higher elasticity and lower susceptibility to cracking. The appropriate hardness and resistance to wear are achieved with a corresponding carbon content.

Specially alloyed tool steel 73MoV52, according to EU directive 2000/53/EC
- 0.60% manganese for higher tensile strength and ductility
- 1,15% silicon for higher elasticity and lower susceptibility to cracking
- 0.70% carbon for appropriate hardness and resistance to wear

Cold-forged steel with high quality characteristics ensures that profiles now have an even longer-lasting strength, with shafts of extraordinary hardness.

Premium +

Premium Plus metal sheet

Outstanding mechanical properties
Tool trolleys and work benches made by Unior are designed to ensure that tools are easily accessible and can be effectively and safely stored. The tool trolleys and work benches are made from cold-rolled plate steel of high quality. Cold-rolled plate steel is characterised by smooth surfaces and improved strength tolerance. The high-quality steel plate and construction techniques such as optimal reinforcement of the parts subjected to the highest loads ensure higher stability.

Premium

Premium metal sheet

Keeping the accessibility of tools in mind
High-quality plate steel is the basic material used for shelving, boxes and other accessories used to store, access and effectively handle tools. Workshop equipment and similar products to ensure the easy accessibility of tools are stable, sturdy and durable. In addition to quality, they are also characterised by well-designed construction solutions that render them fit for purpose.

Premium +

Premium Plus carbon steel

For optimal grip and cutting strength
Steel with a medium carbon content is particularly suitable for pliers due to its incorporation of selected alloyed elements. Together with the hardness achieved through inductive tempering, this material property allows for extraordinary clamping strength. Pliers made of various improved steels have a suitable hardness and higher tensile strength, due to their higher carbon content. Manganese also contributes towards improvement, as it increases the ductility of the material. Silicon was used to improve the elasticity of the material, while chrome reduces its susceptibility to cracking.

Alloyed tool steel C45E, in accordance with EU Directive 2000/53/EC and the EN 10083-1 standards
- 0,45% carbon for higher tensile strength and ductility
- 0,70% manganese for higher tensile strength and ductility
- 0.30% silicon for higher elasticity
- 0,30% chrome for lower susceptibility to cracking and higher tensile strength

Pliers with optimal, inductively hardened jaws are characterised by excellent clamping properties, an outstanding grip and flexible joints.

Alloyed tool steel C60E, in accordance with EU Directive 2000/53/EC and the EN 10083-2 standards
- 0,60% carbon for higher tensile strength and ductility
- 0,70% manganese for higher tensile strength and ductility
- 0.30% silicon for higher elasticity

The design and manufacturing quality of high-quality steel pliers with special properties ensure efficient pinching off of hard wire.

Premium Flex +

Premium Flex Plus carbon steel

Efficiency and durability under considerable crushing and deformation stress
Construction and trade steels have special properties that guarantee their appropriate hardness, ductility and elasticity, as is required for tools such as setters, hammers and screw clamps, which are exposed to great force during hammering and clamping. Steels with a medium carbon content that are used to make tools have a higher carbon content, resulting in better durability. A suitable manganese content increases the tensile strength and ductility of the material, which is particularly important under high load conditions. The chrome content reduces the susceptibility to cracking, while the silicon content increases the elasticity of tool materials subjected to strong forces.

Medium carbon steel C45R, according to EU directive 2000/53/EC and the EN 10083-2 standards
- 0,45% carbon for higher tensile strength and better tempering
- 0,70% manganese for higher tensile strength and ductility
- 0,35% chrome for higher tensile strength and lower susceptibility to cracking
- 0,20% silicon for higher elasticity

HAMMER
Steel with higher tensile strength reduces the possibility of new cracks forming on impact faces.

PULLER BODY
A steel tool with a high carbon content that can withstand high pull-off forces. High-quality material and well- designed manufacturing ensure strength and durability.

Premium Hard +

Premium Hard Plus carbon steel

Effortless cutting
In addition to carbon, manganese, silicon and chrome, this special carbon steel also contains vanadium, which considerably improves the pinching characteristics of the tool by increasing its carbide hardness. Pincers made from this steel prove their excellent efficiency, even when used on the hardest of wires. The high carbon content results in both a higher tensile strength of the material and in increased durability. Improvements made subsequent to the inductive forging process lead to extraordinarily high jaw hardness.

Special carbon steel, in accordance with EU Directive 2000/53/EC and the EN 10058 standards
- 0,80% carbon for higher tensile strength and durability
- 0,70% manganese for higher tensile strength and ductility
- 0.30% silicon for higher elasticity
- 0,25% chrome for higher tensile strength and lower susceptibility to cracking

SHARK CUTTER
These strong cutters made from high-quality material with a special composition have extremely flexible joints; their most notable characteristic is the ability to pinch through even the hardest wires. They are characterised by extraordinary strength.

QualiCoat

Qualicoat

Compatible with humans and the environment
Unior products are protected against corrosion. High-quality ecological epoxy paints have been applied using powder coating. These paints are environmentally compatible, contain no heavy metals and can be safely used by humans, as confirmed by their accreditation by the International Institute for Public Health. The paint is applied to a thickness of 90 microns, thus ensuring excellent mechanical characteristics and extraordinary resistance to the effects of weather.

Packaging

A

Small cardboard card
The tool is attached to a cardboard card. Packaged in quantities of four pieces in a laminated folding transport box.

B

Small cardboard card with plastic attachment
The tool is attached to a cardboard card with a plastic attachment. Packaged in quantities of four pieces in a laminated folding transport box.

C

Cardboard card with tie
The tool is attached to the cardboard card with tie.

D

Special envelope
There is a special envelope on the tool and it is additionally packaged in transparent LD-PE packaging.

E

Cardboard card with a LD-PE sleeve
The tool is attached to the cardboard card for hanging and is additionally protected with a transparent LD-PE sleeve.

F

General laminated boxes
This packaging is used for products with retail-ready packaging. The packaging is printed with a general Unior design. It is used to protect the products during transport.

G

Special designed boxes
The functionality of hand tools is explained.

H

Cardboard with safety tie and packed into general laminated boxes
A cardboard card with all the necessary product information is attached to the tools with a safety tie. Packed in general laminated packaging.

K

Transport brown packaging
Transport brown packaging is used for packaging and protection of larger and heavier products.

P

Plastic Wallet
Tools are packed in a plastic wallet with a hole which allows them to be hanged from single or double hooks. The upper side of the case is transparent for easier identification.

S

Plastic case
Tools are packed in a plastic case for easier storage and protection.

T

Bags with a transparent sleeve
Sets of tools in bags are in a transparent sleeve with a padlock and a color label that displays a list of the tools in the set.

V

Wallet
Tools are packed in a LD-PE bag or sleeve.

Z

General Envelope in LD-PE sleeve
Tools are packed in a general laminated cardboard envelope with all the necessary product information and inserted into a transparent LD-PE sleeve.

X

Different packaging
Different packaging is used to pack all other large tools which do not belong to other groups of packaging (tools on pallets, in wooden box, etc.).

Legend of symbols used in catalogue

Article

Product name

Product image

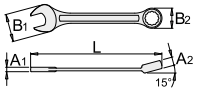
Product sketch

Profiles

SKU

120/1

Combination wrench, long type



SKU		L	B2	B1	A2	A1	
616745	3.2	105	8	14	4	3.2	11
616746	4	105	8	14	4	3.2	11

** Images of products are symbolic. All dimensions are in mm, and weight in grams. All listed dimensions may vary in tolerance.*

General

- number of items
- SKU code
- dimension
- m meters
- ft feet
- Ø diameter
- Nº article number
- V volt

Dimensions

- 3/8" internal drive
- 3/4" internal drive
- 1/4" internal drive
- 1/2" internal drive
- 1" internal drive
- 1. 1/2" internal drive
- 3/8" drive
- 3/4" drive
- 1/4" drive
- 1/2" drive
- 1" drive
- 1. 1/2" drive
- wire diameter in mm²
- tube diameter in mm
- tube diameter in Inches
- tube max diameter in mm
- wire max diameter in mm
- outer dimension in mm
- dimension in Inches
- Nm torque in Nm
- lb. ft torque in lb. Ft
- inlet threat in mm
- weight in g

Profiles

- socket 4-point
- socket 6-point
- socket 12-point
- internal TX profile
- HEXAGON profile internal 4-point socket
- HEXAGON profile with a hole
- HEXAGON profile
- square file or square part
- screwdriver profile, flat
- screwdriver profile, crosstip, PH
- screwdriver profile, double crosstip, PZ
- flat file
- half round file
- round file
- three angle file
- LIFE profile
- TX profile
- TX profile with a hole
- ZX profile
- TXP profile
- nut form for hook wrench
- nut form for hook wrench
- punch pliers

Safety

- Wear dust mask
- Wear eye protection
- Wear hearing protection
- Wear protective gloves
- Do not use with pneumatic tools
- Instructions for safe use
- Video presentation

Other

- stripping jaws
- jaws form
- jaws form
- jaws form
- knife
- form of cutting jaws
- flat jaws
- form of cutting jaws
- form of cutting jaws
- form of cutting jaws
- form of cutting jaws
- form of cutting jaws
- form of cutting jaws
- round jaws
- form of cutting jaws
- straight half round jaws
- internal lock ring pliers
- external lock ring pliers
- force in N
- pressing force
- rebound hammer
- non rebound hammer
- three angle scraper
- max
- min
- awl tip
- VDE DP double layered-double coloured insulation
- article with VDE certificate
- article made according to GS standards
- article made according to VDE standards
- magnet force in kg
- wire rope
- wire rope with FE wire
- wire rope with FE coat
- thickness of metal sheet
- thickness of metal sheet
- thickness of metal sheet
- E bit form
- C bit form
- hammer weight in grams

WRENCHES

One hundred years of tradition and quality!

One of the most traditional forms of tools, the wrench, is certainly distinguished by its functionality and exceptional power. They are designed to access hard-to-reach places with their design and certainly offer a solution to all such problems. Their carefully selected size and set combinations offer users a wide and varied choice. With careful development and the use of quality materials, Unior wrenches are practically indestructible in their intended daily use.

DURABILITY – above the prescribed DIN standards, where material is added in selected places under the greatest loads for long-term durability of the key.

VARIETY – a varied selection that we offer in our product lines, where we offer wrenches for a wide variety of tasks – from simple bolts and nuts to heavy industrial work.

WITH A PROTECTIVE PROFILE – Unior wrenches prevent damage to the corners and edges of the bolts and nuts, as they are designed so that the force does not directly affect the edge of the nut, rather its action is distributed around the surface away from the edges.

WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

OPEN END WRENCHES	**24 - 26**
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SOCKET WRENCHES	**38**
TUBULAR WRENCHES	**39**
INBUS WRENCHES	**41 - 46**

Premium

Premium chrome vanadium steel - reliability without wear!

In the case of tools such as wrenches and pipe wrenches, which have to bear a greater load, particularly important properties are high tensile strength, adequate toughness of the material with greater elasticity and as little susceptibility to cracks as possible. These requirements are perfectly met by Premium Chrome Vanadium Steel, a tool steel alloyed with manganese, chromium, silicon and carbon. Tools made from this steel have a long life and are an excellent choice for long-term use.

Alloyed tool steel 31CrV3, in accordance with EuroDirective 2000/53/EC

- 0.60% manganese for higher tensile strength and toughness
- 0.60% chromium to reduce crack susceptibility and increase tensile strength
- 0.30% silicon for greater elasticity
- 0.35% carbon for adequate tool hardness

We follow developments and prioritise innovation

Union wrenches, with their innovative design and superior function, ensure that the force transfer to the bolt and nut heads is accurate and efficient. This is why we at Unior are constantly following the development of new profiles and shapes dictated by the rapidly evolving consumer market. For professional or domestic use; for all needs, situations and preferences. As such, the same apparent form of wrench today has actually made huge progress in development!

Manufacturing procedure for a combination wrench at Unior

1. Cutting: Cutting material is the first operation in the technological procedure of wrench manufacturing. Optimum design of a cut provides optimal use of material.

2. Forging: Forging technology at Unior ensures excellent strength characteristics of wrenches. Notably, it maintains appropriate fiber orientation in a forged part, leaving it uninterrupted and the same as in a rolled blank. That characteristic of forged parts is vital for achieving the characteristics of products exposed to heavy dynamic loads, such as Unior wrenches.

3. Trimming: Superfluous material around a forged part is removed using a special-purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

4. Perforation: Following the forging and trimming phases, perforations are made in the workpiece by punching or cutting. This procedure can be carried out either on hot or cold workpieces.

5. Burring and grinding: Wrenches are contour-ground on grinding machines, thus making surfaces smooth on the edges of a wrench. After that, edges on forged parts are made smooth in special machines using mechanical and chemical means.

6. Machine marking and bending: Each wrench is impressed with an appropriate marking providing information about the source of a wrench, dimensions and material used. The ring of the wrench is accordingly offset in line with the standard.

7. Broaching: In broaching, suitable gaps are made on special-purpose tools; material is broached with linear motion of a tool incorporating a large number of cutting blades.

8. Tempering: Tempering by heating and cooling is designed to improve the grain flow of the steel and thereby increase the toughness of the wrench at the desired points; this heat treatment process grants the Unior wrenches a long lifespan and resistance to high loads and pressure.

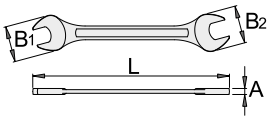
9. Sanding: Various abrasive substances are blasted onto the surface of the wrenches by means of compressed air. The abrasives burr the surface, while at the same time imparting to it a certain asperity, important for the subsequent application of a suitable galvanic (protective) coating.

10. Chrome plating and polishing: Wrenches are coated with a thin, but solid layer of chromium oxide to protect them from corrosion and other external influence. Chromium coating gives a wrench a professional appearance and warrants a long service life.

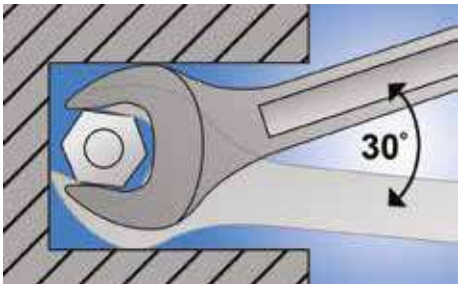
110/1

Open end wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 10102 (only metric dimension)
- head of the wrench under 15°



SKU	⬡	L	B1	B2	A	
603316	4 x 4.5	100	14	14	3.4	10
603317	4 x 5	100	14	14	3.4	10
603318	5 x 5.5	100	14	14	3.4	10
600060	5.5 x 7	121	14.4	16.4	3.4	15
600061	6 x 7	121	14.4	16.4	3.4	15
600062	7 x 8	140	18.4	22.9	3.7	24
600064	8 x 9	140	18.4	22.9	3.7	24
600065	8 x 10	140	18.4	22.9	3.7	23
600066	9 x 10	159	22.7	24.2	4.5	43
600067	9 x 11	159	22.7	24.2	4.5	40
600068	10 x 11	159	22.7	24.2	4.5	40
600069	10 x 12	172	26.2	29.2	4.9	58
600070	10 x 13	172	26.2	29.2	4.9	59
600072	11 x 13	172	26.2	29.2	4.9	58
600074	12 x 13	172	26.2	29.2	4.9	58
600075	12 x 14	172	26.2	29.2	4.9	58
600076	13 x 14	192	31.2	33.2	5.4	81
600077	13 x 15	192	31.2	33.2	5.4	84
600078	13 x 17	200	31.2	37.7	5.7	101
600079	14 x 15	192	31.2	33.2	5.4	83
600080	14 x 17	200	31.2	37.7	5.7	101
600081	15 x 17	206	35.7	37.7	5.7	108
600082	16 x 17	206	35.7	37,7	5.7	108
600083	17 x 19	223	39.5	41.5	6.2	143
600084	17 x 22	232	43,5	46	6.2	193
600085	18 x 19	223	39.5	41.5	6.2	148
600086	19 x 22	232	43.5	46	6.7	183
600088	20 x 22	232	43.5	46	6.7	180
600089	21 x 23	249	46	52	7.2	235
600090	22 x 24	249	46	52	7.2	237
600091	22 x 27	265	51,8	55,3	7.2	301
600092	24 x 26	265	51.8	55.3	7.7	289
600093	24 x 27	265	53.8	51,8	7.7	289
600095	25 x 28	279	62.8	53,8	8.2	344
600096	27 x 29	309	62.8	67.3	9.2	535
600097	27 x 30	309	62.8	67.3	9.2	527
600098	27 x 32	309	62.8	67.3	9.2	541
600099	30 x 32	309	62.8	67.3	9.2	532
603848	30 x 34	315	62.8	68.8	9.6	568
602593	30 x 36	319	62.8	78.8	9.6	591
600100	32 x 36	327	68.8	78.8	9.6	653
600101	34 x 36	327	68.8	78.8	9.6	628
600102	36 x 41	360	78.8	86.8	9.6	823
605549	38 x 42	360	78.8	86.8	9.6	822
602594	41 x 46	410	86.8	94.8	14.6	1735
602595	46 x 50	460	94.8	103.9	15.6	2365
605348	1/4" x 5/16"	121	14.4	16.4	3.4	15
605349	5/16" x 3/8"	140	18.4	22.9	3.7	24
605350	3/8" x 7/16"	159	22.7	24.2	4.5	40
605351	7/16" x 1/2"	172	26.3	29.2	4.9	58
605352	1/2" x 9/16"	192	31.2	33.2	5.4	81
605353	9/16" x 5/8"	192	31.2	33.2	5.4	83
605354	5/8" x 11/16"	206	35.7	37.7	5.7	108
605355	11/16" x 3/4"	223	39.5	41.5	6.2	143
605356	13/16" x 7/8"	249	46	52	7.2	237
605357	15/16" x 1"	265	51.8	55.3	7.7	301
605358	1" x 1.1/8	279	53.8	58.8	8.2	344
605359	1.1/16" x 1.1/4"	309	62.8	67.3	9.2	527



110/1CB

Set of open end wrenches in carton box

Set includes:
- 8x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

SKU	⟷	
600105	6 - 22	8

110/1CB

Set of open end wrenches in carton box

Set includes:
- 10x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27

SKU	⟷	
611018	6 - 27	10

110/1CB

Set of open end wrenches in carton box

Set includes:
- 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32

SKU	⟷	
600106	6 - 32	12

110/1CB

Set of open end wrenches in carton box

- 13x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x29, 30x32

SKU	⟷	
603715	6 - 32	13

110/1CB

Set of open end wrenches in carton box

Set includes:
- 13x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32, 36x41

SKU	⟷	
600107	6 - 41	13

110/1CB

Set of open end wrenches in carton box

Set includes:
› 12x open end wrench (article 110/1) dim. 1/4"x5/16", 5/16"x3/8", 3/8"x7/16", 7/16"x1/2", 1/2"x9/16", 9/16"x5/8", 5/8"x11/16", 11/16"x3/4", 13/16"x7/8", 15/16"x1", 1"x1.1/8 in 1.1/16"x1.1/4"

SKU	⟷	✋
605531	1/4" - 1.1/4"	12

CT110

Empty bag

› Dimension 430 x 275, for article 110 in 125
› velcro fastening is used for easy opening and closing
› strap is not required
› material: polyester fabric

SKU	A x B	
615480	430 x 275	117

110/1MS

Set of open end wrenches on metal stand

Set includes:
› 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32

SKU	⟷	✋
605528	6 - 32	12

110/1CS

Set of open end wrenches in carton box

Set includes:
› 8x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

SKU	⟷	✋
602844	6 - 22	8

110/1PB

Set of open end wrenches in plastic wallet

Set includes:
› 6x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17

SKU	⟷	✋
600108	6 - 17	6

110/1MS

Set of open end wrenches on metal stand

Set includes:
› 12x open end wrench (article 110/1) dim. 1/4"x5/16", 5/16"x3/8", 3/8"x7/16", 7/16"x1/2", 1/2"x9/16", 9/16"x5/8", 5/8"x11/16", 11/16"x3/4", 13/16"x7/8", 15/16"x1", 1"x1.1/8 in 1.1/16"x1.1/4"

SKU	⟷	✋
605532	1/4" - 1.1/4"	12

110/1CT

Set of open end wrenches in bag

Set includes:
› 8x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

SKU	⟷	✋
615465	6 - 22	8

110/1PB

Set of open end wrenches in plastic wallet

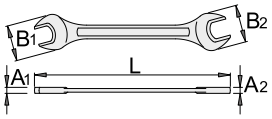
Set includes:
› 8x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

SKU	⟷	✋
600109	6 - 22	8

112/2

Open end wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard DIN 895 and DIN 475



SKU	⬡	L	B1	B2	A1	A2	
602082	8 x 10	115	18	22	4.2	4.2	20
613222	10 x 11	122	23	24.5	5	5	35
605045	10 x 12	128	22	28	5	5	37
603611	10 x 13	137	26	28.5	5.2	5.2	43
602083	11 x 13	132	26	28.5	5	5.4	41
602085	13 x 15	152	28	32	6	6	63
603134	13 x 17	158	30	35	6.5	6.5	65
602086	14 x 17	158	30	35	6.5	6.5	62
602087	17 x 19	170	35	40	7	7	94
602088	19 x 22	197	42	48	8	8	138

114/2PB

Set of small double open ended wrenches ELECTRIC

Set includes:

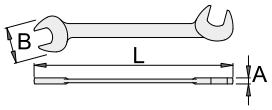
- 15x small double open ended wrench ELECTRIC (article 114/2) dim. 3.2, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14

SKU	⟷	
619287	3.2 - 14	15

114/2

Small double open ended wrench ELECTRIC

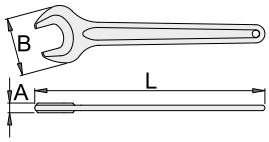
- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	⬡	L	B	A	
618623	3.2	75	10	2	2
618624	3.5	75	10	2	2
618625	4	75	10.5	2	2
618626	4.5	75	10.5	2	2
618627	5	85	12	2	4
618628	5.5	85	12.2	2	4
618629	6	85	12.5	2	4
618630	7	95	14.5	2	6
618631	8	95	16.5	2	7
618632	9	110	19	3	17
618633	10	110	21	3	18
618634	11	110	23.5	3	20
618635	12	125	24	3	30
618636	13	125	27.5	3	33
618637	14	125	28	3	33

117/4

Single open end wrench



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard DIN 894

Usage:

- In industry for working on machines, engines and other equipment.
- larger dimensions are useful in shipbuilding, the oil industry and other heavy industries where larger machines and equipment are used
- this wrench is especially suitable for work that requires higher torque and more leverage in difficult to reach areas

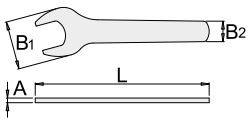
SKU	⬡	L	A	B	
615262	10	104	4.5	22	21
620207	12	123	5	26	29
615263	13	132	5.4	28	35
615264	17	157	6,5	36	68
615265	19	170	6.9	40	78
615267	22	195	7.9	46	106
615268	24	218	9,2	50	147
615269	27	240	9.7	56	192
615270	30	267	11,1	63	297
615271	32	267	11.7	66	297
615272	34	295	12,5	74	399
615273	36	295	12.5	74	438
615274	38	295	12.5	74	390
615275	41	335	13.5	84	537
615276	46	365	14.5	94	747
615277	50	400	15.5	102	890
615278	55	475	16	110	1170
615279	60	475	17	120	1365
615280	65	550	18	130	1665
615281	70	550	19	140	1995
615282	75	620	20	150	2995
615283	80	665	21	160	3895
615285	90	740	23	190	4795

MADE FOR WORK.

135/2

Single open end wrench for gas

- material: premium sheet metal
- surface finish: chrome plated according to ISO 1456:2009

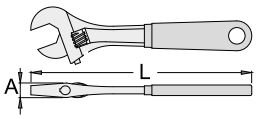


SKU		L	B1	B2	A	
600262	27	187	52	22	4	149

250/1ADP

Adjustable wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- with scale
- double plastic dipped handles
- made according to standard ISO 6787

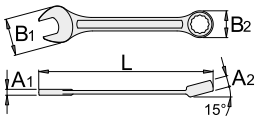


SKU		L	A		
617246	200	205	17	28	280
617247	250	255	19	32	490
617248	300	305	23,5	38	785
617249	380	385	24	50	1395

120/1

Combination wrench, long type

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- ring part with LIFE profile
- made according to standard ISO 7738 (metric dimensions only)

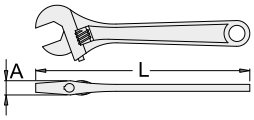


SKU		L	B2	B1	A2	A1	
616745	3.2	105	8	14	4	3.2	11
616746	4	105	8	14	4	3.2	11
616747	4.5	105	8	14	4	3.2	7
616748	5	119	10.4	14.5	5	3.5	7
616749	5.5	119	10.4	14.5	5	3.5	15
600357	6	119	10.4	14.5	5	3.5	14
600358	7	129	11.5	16.5	5.8	3.9	15
600359	8	141	13.2	18.5	6.9	3.9	23
600360	9	152	14.3	21	7.3	4	27
600361	10	163	15.9	23	7.5	4.2	37
600362	11	176	17.8	24.5	8	4.5	45
600363	12	186	19.4	26.5	8.5	4.7	55
600364	13	199	20.4	29.5	8.5	5.2	68
600365	14	210	22	31.5	9	5.2	82
600366	15	222	23.2	33.5	9.5	5.7	96
600367	16	234	24.8	36	10.5	6.2	121
600368	17	245	26.1	38	10.5	6.7	144
600369	18	257	27.7	40	11	7.2	165
600370	19	268	29.3	42	12	7.2	186
600371	20	280	31	44	12.5	7.7	225
600372	21	291	32.6	45.5	13	8.2	251
600373	22	303	34.1	46.5	13	8.2	266
600374	23	314	35.7	50.5	13	8.2	300
600375	24	330	37.3	52.5	14	8.5	382
600376	25	337	39	54.5	14.5	8.5	377
600377	26	349	40.1	56	15	8.5	422
600378	27	360	41.6	57.5	15	9	453
600379	28	373	43.2	59.5	15.5	9	532
600380	29	383	44.9	61.5	16	9.5	567
600381	30	395	46.5	63.5	16	10	632
600382	32	416	49	68	16.5	10.5	719
607019	35	500	53.5	78.8	20	13.6	1405
602601	36	500	53.5	78.8	20	13.6	1415
605838	38	515	58	82.8	20.5	14.1	1310
602602	41	540	62	86.8	21	14.6	1984
618514	46	560	69	94	23	16	2445
618517	50	580	75	103	24	17	1955
616752	55	600	83	112	26	18	3395
616753	60	620	91	120	28	20	4120
616754	65	640	100	130	30	21	5205
616755	70	660	108	140	32	23	5995

250/1

Adjustable wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- with scale
- made according to standard ISO 6787

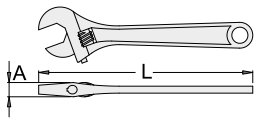


SKU		L	A		
611917	100	110	9.8	17	61
611918	150	155.5	11.5	23	133
601016	200	205	12,6	28	243
601017	250	254	16	32	439
601018	300	305	19	38	702
601019	380	380	25	50	1315
605113	450	458	26.3	60	1730
615148	600	610	30	70	3240

251/4

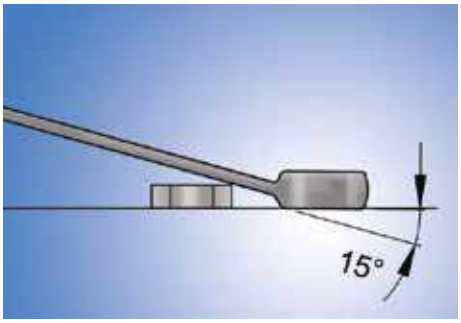
Adjustable wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- left turning
- with scale
- made according to standard ISO 6787



SKU		L	A		
612870	150	155.7	11.7	20	137
612871	200	204.3	14.4	25	257
612872	250	254	16.9	30	447
612873	300	303.5	19.1	36	700

616756	75	680	116	150	34	24	6995
616757	80	700	124	160	36	26	8595
618491	1/4"	119	10.4	14.5	5	3.5	14
618492	5/16"	142	13.2	18.5	6.9	3.9	23
618493	3/8"	153	14.3	21	7.3	4	27
618494	7/16"	176	17.8	24.5	8	4.5	45
618495	1/2"	199	20.4	29.5	8.5	5.2	68
618496	9/16"	211	22	31.5	9	5.2	82
618497	5/8"	234	24.8	36	10.5	6.2	121
618498	11/16"	245	26.1	38	10.5	6.7	144
618499	3/4"	268	29.3	42	12	7.2	186
618500	13/16"	291	32.6	45.5	13	8.2	251
618501	7/8"	303	34.1	46.5	13	8.2	266
618502	15/16"	330	37.3	52.5	14	8.5	382
618503	1"	337	39	54.5	14.5	8.5	377
618504	1.1/16"	360	41.6	57.5	15	9	453
618505	1.1/8"	372	43.2	59.5	15.5	9	532
618506	1.1/4"	417	49	68	16.5	10.5	719
618507	1.5/16"	417	49	68	16.5	10.5	732
618508	1.3/8"	500	53.5	78.8	20	13.6	1425
618509	1.7/16"	500	53.5	78.8	20	13.6	1395
618510	1.1/2"	500	53.5	78.8	20	13.6	1335
618511	1.5/8"	540	62	86.8	21	14.6	2000
618512	1.11/16"	540	62	86.8	21	14.6	1960
618513	1.3/4"	560	69	94	23	16	2435
618515	1.13/16"	560	69	94	23	16	2495
618516	1.7/8"	560	69	94	23	16	2445
618518	2"	580	75	103	24	17	2985



120/1CB

Set of combination wrenches, long type in carton box

Set includes:
› 17x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

SKU	⟷	
600383	6 - 22	17

120/1CB

Set of combination wrenches, long type in carton box

Set includes:
› 12x long combination wrench (article 120/1) dim. 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30

SKU	⟷	
611020	10 - 30	12

120/1CB

Set of combination wrenches, long type in carton box

Set includes:
› 26x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32

SKU	⟷	
600384	6 - 32	26

120/1CB

Set of combination wrenches, long type in carton box

Set includes:
› 16x long combination wrench (article 120/1) dim. 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4"

SKU	⟷	
619398	1/4" - 1.1/4"	16

120/1CB

Set of combination wrenches, long type in carton box

Set includes:
› 10x long combination wrench (article 120/1) dim. 8, 10, 11, 12, 13, 14, 15, 17, 19, 22

SKU	⟷	
611019	8 - 22	10

120/1CS

Set of combination wrenches, long type in carton box

Set includes:
› 8x long combination wrench (article 120/1) dim. 8, 9, 10, 12, 13, 14, 17, 19

SKU	⟷	
603709	8 - 19	8

120/1CT

Set of combination wrenches, long type in bag

Set includes:
› 8x long combination wrench (article 120/1) dim. 8, 10, 11, 13, 15, 17, 19, 22

SKU	⟷	
615475	8 - 22	8

120/1MS

Set of combination wrenches, long type on metal stand

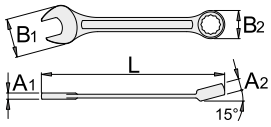
Set includes:
› 17x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

SKU	⟷	
605537	6 - 22	17

125/1

Combination wrench, short type

› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› polished head
› ring part with LIFE profile
› made according to standard ISO 7738 (only metric dimension)
› made according to standard ISO 3318 in 3113A (only metric dimension)



SKU	⬡	L	B2	B1	A2	A1	
618651	5	84	5.8	12	3	3	9
618652	5.5	84	5.8	12	3	3	9
600414	6	100	10.4	14.5	5	3.5	11
600415	7	109	11.5	16.5	5.8	3.9	15
600416	8	119	13.2	18.5	6.9	3.9	20
600417	9	123	14.3	21	7.3	4	25
600418	10	128	15.9	23	7.5	4.2	29
600419	11	135	17.8	24.5	8	4.5	35
600420	12	139	19.4	26.5	8.5	4.7	45
600421	13	150	20.4	29.5	8.5	5.2	54
600422	14	160	22	31.5	9	5.2	63
600423	15	170	23.2	33.5	9.5	5.7	78
600424	16	180	24.8	36	10.5	6.2	95
600425	17	190	26.1	38	10.5	6.7	121
600426	18	200	27.7	40	11	7.2	135
600427	19	210	29.3	42	12	7.2	157
600428	20	220	31	44	12.5	7.7	186
600429	21	230	32.6	45.5	13	8.2	198
600430	22	247	34.1	46.5	13	8.2	230
602089	23	250	35.7	50.5	13	8.2	254
602090	24	266	37.3	52.5	14	8.5	300
602091	25	270	39	54.5	14.5	8.5	330
602092	26	275	40.1	56	15	8.5	342
602093	27	292	41.6	57.5	15	9	365
602094	28	296	43.2	59.5	15.5	9	432
602095	29	300	44.9	61.5	16	9.5	455
602096	30	323	46.5	63.5	16	10	522
602097	32	343	49	68	16.5	10.5	602
603332	36	400	54.5	79.5	20	13.5	1115
618566	41	420	62	86.8	21	14.6	1575
618570	46	440	69	94	23	16	1985

125/1CB

Set of combination wrenches, short type in carton box

Set includes:
› 17x short combination wrench (article 125/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

SKU	⟷	
600431	6 - 22	17

125/1CB

Set of combination wrenches, short type in carton box

Set includes:
› 26x short combination wrench (article 125/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32

SKU	⟷	
602098	6 - 32	26

125/1CB

Set of combination wrenches, short type in carton box

Set includes:
› 10x short combination wrench (article 125/1) dim. 8, 10, 11, 12, 13, 14, 15, 17, 19, 22

SKU	⟷	
611021	8 - 22	10

125/1CB

Set of combination wrenches, short type in carton box

Set includes:
› 12x short combination wrench (article 125/1) dim. 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30

SKU	⟷	✋
611022	10 - 30	12

125/1CS

Set of combination wrenches, short type in carton box

Set includes:
› 8x short combination wrench (article 125/1) dim. 8, 9, 10, 12, 13, 14, 17, 19

SKU	⟷	✋
603711	8 - 19	8

125/1CT

Set of combination wrenches, short type in bag

Set includes:
› 8x short combination wrench (article 125/1) dim. 8, 10, 11, 13, 15, 17, 19, 22

SKU	⟷	✋
615478	8 - 22	8

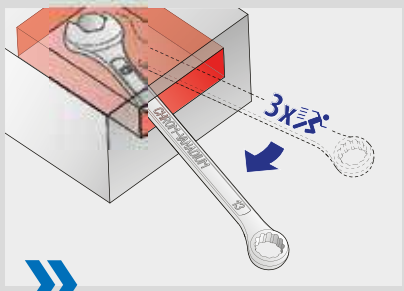
129/1

Combination wrench IBEX

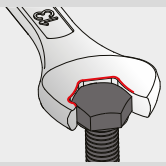
› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› polished head
› ring part with LIFE profile

Advantages:
› The wrench acts on the flats to protect the corners of the nut
› 3 drive surface for greater power
› 100% positioning of the wrench
› rewind action without removing the wrench

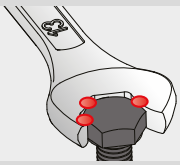
SKU	⟷	L	B2	B1	A2	A1	✋
611762	8	140	13.2	18.5	6.9	3.9	22
611763	10	160	15.9	23	7.5	4.2	37
611764	11	174	17.8	24.5	8	4.5	43
611765	12	183	19.4	26.5	8.5	4.7	54
611766	13	196	20.4	29.5	8.5	5.2	63
611767	14	206	22	31.5	9	5.2	75
611768	15	217	23.2	33.5	9.5	5.7	93
611769	16	227	24.8	36	10.5	6.2	114
611770	17	238	26.1	38	10.5	6.7	131
611930	18	250	28	40	11	7.2	155
611771	19	261	29.3	42	12	7.2	173
611772	22	296	34.1	46.5	13	8.2	258
611773	24	321	37.3	52.5	14	8.5	321



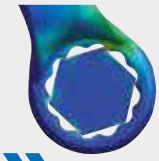
Enables 3-time faster work in comparison to standard combination wrench.



100% positioning of the wrench.



3 drive surface for greater power.



MADE FOR WORK.

LIFE profile

125/1MS

Set of combination wrenches, short type on metal stand

Set includes:
› 17x short combination wrench (article 125/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

SKU	⟷	✋
605539	6 - 22	17

125/1CT

Set of combination wrenches, short type in bag

Set includes:
› 26x short combination wrench (article 125/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32

SKU	⟷	✋
625675	6 - 32	26

129/1CB

Set of combination wrenches IBEX in carton box

Set includes:
› 12x combination wrench IBEX (article 129/1) dim. 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 24

SKU	⟷	
611776	8 - 24	12

129/1CS

Set of combination wrenches IBEX in carton box

Set includes:
› 8x combination wrench IBEX (article 129/1) dim. 8, 10, 12, 13, 14, 15, 17, 19

SKU	⟷	
611775	8 - 19	8

CT129

Empty bag

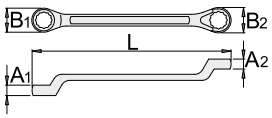
› material: polyester fabric
› velcro fastening is used for easy opening and closing
› strap is not required
› Dimension 470 x 330, for article 129,120,180,202

SKU	A x B	
615464	470 x 330	150

179/2

Scaffolding wrench

› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› to assemble scaffolding

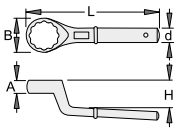


SKU	⬡	L	B1	B2	A1	A2	
605042	21 x 22	316	34	35	17	17	657

178/2

Single offset ring wrench

› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009

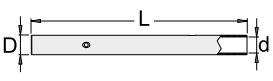


SKU	⬡	A	B	d	H	L	
620821	24	17	42	18.5	30	180	481
620822	27	17	42	18.5	30	180	456
620823	30	17	42	18.5	30	180	454
620824	32	18	50	20.5	35	235	733
620825	36	18	50	20.5	35	235	686
620826	41	18	55	20.5	35	235	712
620827	46	22	70	23.5	40	265	1208
620828	50	22	70	23.5	40	265	1218
620829	55	22	75	23.5	40	265	1156
620830	60	30	94	29.5	50	345	2512
620831	65	30	94	29.5	50	345	2582
620835	85	40	125	29.5	59	385	3741
620836	90	45	140	29.5	63	410	3941

178.1/2

Handle for 178/2

› material: premium chrome vanadium steel
› surface finish: chrome plated according to ISO 1456:2009

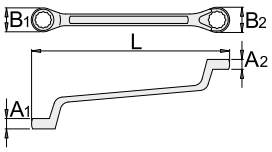


SKU	⟷	D	d	L	
620840	24 - 30	25	19	460	744
620841	32 - 41	27	21	610	1049
620842	46 - 55	30	24	760	1509
620843	60 - 95	37	30	860	2476

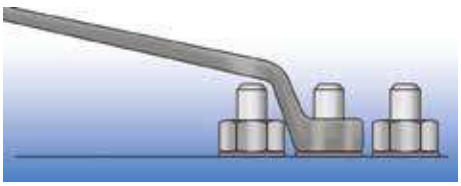
180/1

Offset ring wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- ring part with LIFE profile
- made according to standard ISO 10104 (only metric dimension)
- made according to standard DIN 838



SKU		L	B1	B2	A1	A2	
600511	6 x 7	178	10.3	11.8	5.5	6.1	48
600512	8 x 9	190	14	15,5	6.7	7.3	60
600513	8 x 10	166	12,9	15,5	6	8	50
602663	9 x 11	205	15,5	18,5	7,3	8,4	65
600514	10 x 11	205	17	18,5	7.9	8.4	81
602997	10 x 12	210	17	20	7.9	9	86
600516	12 x 13	220	20	21,5	9	9.5	108
600517	12 x 14	205	17.7	20.3	9	10	95
600518	13 x 15	235	21,5	24	9.5	10.5	144
600519	13 x 17	258	21,5	27	9.5	11.5	172
600520	14 x 15	235	23	24	10	10.5	140
600521	14 x 17	257	19,8	23,6	10	12	173
600522	16 x 17	258	26	27	11	11.4	187
603123	16 x 18	259	22,9	25,4	11	12	205
600523	17 x 19	270	27	30	11.4	12.4	233
600524	18 x 19	270	29	30	11.9	12.4	230
600525	19 x 22	295	30	35	12.4	13.7	308
600526	20 x 22	295	32	35	12.8	13.7	320
600527	21 x 23	305	33	37	13.3	14,1	336
600528	22 x 24	315	35	38	13.7	14,6	368
600529	24 x 26	325	38	41	14.6	15,4	459
600530	24 x 27	325	38	42	14.6	15,8	453
600531	25 x 28	335	40	44	15	16,2	522
600532	27 x 29	335	42	45	15.8	16,6	589
600533	27 x 30	360	38,5	42,7	15	16	647
600534	27 x 32	360	42	49	15.8	17,8	672
600535	30 x 32	370	46	49	17	17,8	680
603124	30 x 36	395	43	48	15	18	845
600536	32 x 36	410	48.2	54.2	17.8	19.4	915
600537	36 x 41	450	48	56	19	21	945
602664	41 x 46	472	56	61	21	23	1430



180/1CB

Set of offset ring wrenches in carton box

Set includes:
- 8x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

SKU		
600541	6 - 22	8

180/1CB

Set of offset ring wrenches in carton box

Set includes:
- 13x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32, 36x41

SKU		
600543	6 - 41	13

180/1CB

Set of offset ring wrenches in carton box

Set includes:
- 10x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27

SKU		
603674	6 - 27	10

180/1CS

Set of offset ring wrenches in carton box

Set includes:
- 8x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

SKU		
602845	6 - 22	8

180/1CB

Set of offset ring wrenches in carton box

Set includes:
- 12x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32

SKU		
600542	6 - 32	12

180/1MS

Set of offset ring wrenches on metal stand

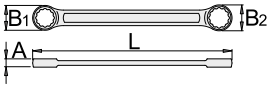
Set includes:
- 12x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32

SKU		
605545	6 - 32	12

182/2A

Flat ring wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- ring part with LIFE profile
- made according to standard DIN 837 (only metric dimension)



SKU		L	B1	B2	A	
612004	6 x 7	97	10	11.3	4.6	11
612005	8 x 9	112	12.7	14	5.6	19
612006	10 x 11	132	15.6	16.5	6.6	29
612007	12 x 13	147	18	19	7.6	44
612008	14 x 15	162	20.5	21.5	7.6	59
612009	16 x 17	172	23.2	24.2	8.6	90
612010	18 x 19	186	25.9	27.4	9.6	112
612011	20 x 22	206	28.9	31.8	11	161
612013	24 x 26	258	34.8	37.3	11.5	289
612015	27 x 29	298	38.3	41.8	13	378
612016	30 x 32	318	42.7	45.2	13.5	467

182/2ACB

Set of flat ring wrenches in carton box

Set includes:

- 11x flat ring wrench (article 182/2A) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 24x26, 27x29, 30x32

SKU		
612568	6 - 32	11

182/2BTX

Flat ring wrench with offset head TX profile

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- 15° angle allows access in difficult places

SKU		L	B1	B2	A	
612892	E6 x E8	97	10	11.3	4.6	13
612893	E10 x E12	112	12.7	14	5.6	20
612894	E14 x E18	137	16.5	21	6.6	38
612895	E20 x E24	174	23	27.3	8.6	100

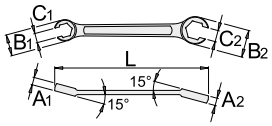
183/2

Offset open ring wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- profile up to dimension 12x14 is 6 point, from 17x19 to 30x32 is 12 point

Usage:

- In industry and repair shops specializing in hydraulic and pneumatic installations
- This wrench helps working on joints where the use of standard ring wrench is impossible due to the nature of the job (ex. unions on steel cables, hydraulic and water pipes and on valves etc).



SKU		L	A1	A2	B1	B2	C1	C2	
612701	8 x 10	145	7	8.5	18	20	6	7	48
612702	10 x 11	152	8.5	9	20	22	7	8.5	64
612703	11 x 13	165	9	11	22	26	8.5	10	88
612704	12 x 14	178	10	12	24	28	9	11	125
615147	16 x 18	196	12	12.5	30.5	33.5	13	14	203
612705	17 x 19	210	13	14	32	35	14	15	204
612706	19 x 22	233	14	16	35	41	15	17	242
612707	22 x 24	265	16	17	41	45	17	18	297
612708	24 x 27	265	17	17	45	48	18	20	367
612709	30 x 32	285	21	23	50	52	22	24	552

183/2CB

Set of offset open ring wrenches in carton box

Set includes:
› 6x offset open ring wrench (article 183/2) dim. 8x10, 10x11, 11x13, 12x14, 17x19, 19x22

SKU	⟷	
612985	8 - 22	6

183/2CB

Set of offset open ring wrenches in carton box

Set includes:
› 9x offset open ring wrench (article 183/2) dim. 8x10, 10x11, 11x13, 12x14, 17x19, 19x22, 22x24, 24x27, 30x32

SKU	⟷	
612986	8 - 32	9

183/2CT

Set of offset open ring wrenches in bag

Set includes:
› 6x offset open ring wrench (article 183/2) dim. 8x10, 11x13, 12x14, 16x18, 17x19, 22x24

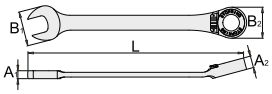
SKU	⟷	
615467	8 - 24	6

160/2

Ratchet combination wrench

› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered

Advantages:
› ratchet: works both way, screw direction can be changed with button
› 72 - teeth, 5° working angle
› Stop ring on the ring part of the wrench prevents unexpected slip of the wrench from the nut and positioning back on the nut.
› It enables quick and easy tightening of the nut without causing damage to the user and quick, save and precise positioning of the wrench on the nut.



SKU		L	B2	B1	A2	A1	
622818	8	134	17,1	16,7	8,4	4,7	40
622819	9	158	21	21	8,4	5,5	55
622820	10	158	21	21	8,4	5,5	60
622821	11	164	22,6	23	9,7	6	70
622822	12	167	23,8	25	9,7	6,2	80
622823	13	177	24,9	27,5	9,7	6,0	96
622824	14	189	27	29	10,1	7	125
622825	15	198	28,1	31,5	11,7	7,2	150
622826	16	204	29,9	33	11,7	7,5	165
622827	17	224	31,9	34,9	11,7	8	183
622828	18	245	34,4	38,9	12	8,8	210
622829	19	245	34,4	38,9	19	12	230
622831	21	280	45,7	42,6	14,2	9,5	358
622832	22	280	45,7	42,6	14,2	9,5	378
622834	24	310	51,7	46,5	14,7	10	480

160/2CB

Set of ratchet ombination wrenches in carton box

Set includes:
› 7x ratchet combination wrench (article 160/2) dim. 8, 10, 12, 13, 14, 17, 19

SKU	⟷	
622463	8 - 19	7

160/2CB

Set of ratchet combination wrenches in carton box

Set includes:
› 9x ratchet combination wrench (article 160/2) dim. 8, 10, 13, 16, 17, 18, 19, 22, 24

SKU	⟷	
623080	8 - 24	9

160/2CB

Set of ratchet combination wrenches in carton box

Set includes:
› 6x ratchet combination wrench (article 160/2) dim. 8, 10, 13, 15, 17, 19

SKU	⟷	
622463	8 - 19	7

160/2CT

Set of ratchet combination wrenches in a bag

Set includes:
› 6x ratchet combination wrench (article 160/2) dim. 8, 10, 13, 15, 17, 19

SKU	⟷	
627001	8 - 19	6

161/2CB

Set of flexible ratchet combination wrenches in carton box

Set includes:
› 5x flexible ratchet combination wrench (article 161/2) dim. 8, 10, 13, 17, 19

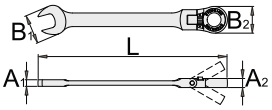
SKU	⟷	
623081	8 - 19	5

161/2

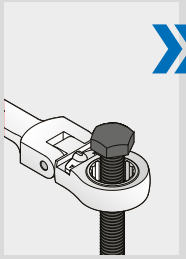
Flexible ratchet combination wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered

Advantages:
- ratchet: works both way, screw direction can be changed with button
- 72 - teeth, 5° working angle
- Stop ring on the ring part of the wrench prevents unexpected slip of the wrench from the nut and positioning back on the nut.
- It enables quick and easy tightening of the nut without causing damage to the user and quick, save and precise positioning of the wrench on the nut.

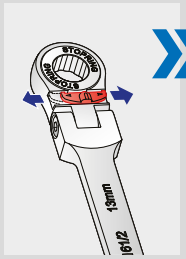


SKU		L	B2	B1	A2	A1	
622837	6	136	17,4	16,9	8,4	4,9	50
622839	8	136	17,4	16,9	8,4	4,9	50
622841	10	160	20,9	20,8	8,4	3,8	72
622842	11	177,5	23,4	25,1	9,7	6,2	95
622843	12	177,5	23,4	25,1	9,7	6,2	95
622844	13	187,3	24,9	27,2	9,7	6,4	124
622845	14	194,7	27,4	29,3	10,1	7	144
622846	15	218	30,4	33	11,7	7,4	207
622847	16	218	30,4	33	11,7	7,4	207
622848	17	234,8	31,9	35,2	11,7	8,2	236
622849	18	251,3	34,5	39,4	12	9	290
622850	19	251,3	34,5	39,4	12	9	280

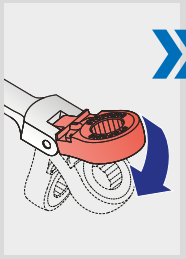


Without stop ring.

Stop ring on the ring part of the wrench prevents unexpected slip of the wrench from the nut and positioning back on the nut.



Ratchet: works both ways, turning direction can be changed with button.



Allows working with ring head inclination up to max 90°.

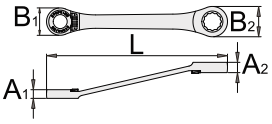
MADE FOR WORK.

170/2

Ratchet ring wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered

Advantages:
- ratchet: works both way, screw direction can be changed with button
- 72 - teeth, 5° working angle
- Stop ring on the ring part of the wrench prevents unexpected slip of the wrench from the nut and positioning back on the nut.
- It enables quick and easy tightening of the nut without causing damage to the user and quick, save and precise positioning of the wrench on the nut.



SKU		L	B2	B1	A2	A1	
622851	6 x 8	114,2	17,4	17,4	8,4	8,4	40
622852	8 x 9	130,4	20,9	17,4	8,4	8,4	55
622853	8 x 10	130,4	20,9	17,4	8,4	8,4	55
622854	10 x 11	144,4	22,9	20,9	9,7	8,4	72
622856	12 x 13	166	24,9	23,4	9,7	9,7	97
622857	14 x 15	181,4	30,4	27,4	11,7	10,1	142
622858	16 x 18	205,9	33,9	30,4	12	11,7	198
622859	17 x 19	224,4	34,4	31,9	12	11,7	211

161/2CS

Set of flexible ratchet combination wrenches in carton box

Set includes:
- 6x flexible ratchet combination wrench (article 161/2) dim. 8, 10, 13, 15, 17, 19

SKU		
623710	8 - 19	6

161/2CT

Set of flexible ratchet combination wrenches in a bag

Set includes:
- 6x flexible ratchet combination wrench (article 161/2) dim. 8, 10, 11, 13, 17, 19

SKU		
627002	8 - 19	6

170/2CB

Set of ratchet ring wrenches in carton box

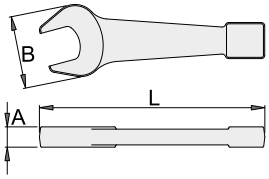
Set includes:
- 6x ratchet ring wrench (article 170/2) dim. 6x8, 10x11, 12x13, 14x15, 16x18, 17x19

SKU		
623082	6 - 19	6

118/7

Slogging open end wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: anticorrosive oiled
- made according to standard DIN 133

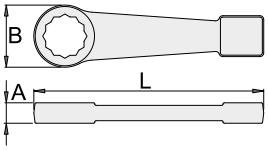


SKU		L	B	A	
620466	24	170	56	15	489
620467	27	170	56	15	477
620468	30	200	70	18	863
620469	32	200	70	18	863
620470	36	200	70	18	834
620471	41	240	88	20	1490
620472	46	240	88	20	1450
620473	50	265	102	20	1790
620474	55	305	112	24	2700
620475	60	305	112	24	2615
620476	65	335	123	27	3645
620477	70	370	143	30	2200
620478	75	370	143	30	4865
620479	80	400	175	33	6450
620480	85	400	175	33	5775
620481	90	450	192	38	7620
620482	95	450	192	38	9400
620485	110	515	235	48	12400
620486	115	515	235	52	15800
620487	120	535	260	53	20000
620488	125	535	260	53	19200
620490	135	565	285	53	23400
620491	140	635	307	58	28800
620492	145	635	307	58	28800
620493	150	635	307	58	28200

184/7

Slogging ring wrench

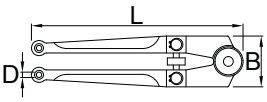
- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: anticorrosive oiled
- made according to standard DIN 7444 (metric dimension only)



SKU		L	B	A	
620494	24	180	48.6	16	534
620495	27	180	48.6	16	514
620496	30	180	48.6	16	488
620497	32	190	58.4	18	739
620498	36	190	58.4	18	694
620499	41	235	74	22	1425
620500	46	235	74	22	1360
620501	50	235	74	22	1272
620502	55	275	97.6	27	2800
620503	60	275	97.6	27	2710
620504	65	275	97.6	27	2580
620505	70	335	117	35	4685
620506	75	335	117	35	4570
620507	80	350	124	35	4305
620508	85	358	130	39	4220
620509	90	395	144	41	5335
620510	95	395	144	39	5090
620511	100	420	155	43	6800
620512	105	420	155	42	5930
620513	110	451	170	46	8200
620515	120	500	190	52	11400
620516	125	500	190	53	10800
620518	135	520	200	60	13800
620519	140	574	220	61	17000
620520	145	574	220	60	16600
620521	150	574	220	61	17000
620522	1.1/16"	180	49	16	512
620523	1.1/8"	180	49	16	511
620525	1.1/4"	190	58	18	740
620526	1.5/16"	190	58	18	708
620527	1.3/8"	190	58	18	700
620528	1.7/16"	190	58	18	687
620529	1.1/2"	235	74	22	1470
620530	1.5/8"	235	74	22	1425
620531	1.11/16"	235	74	22	1440
620533	1.13/16"	235	74	22	1360
620534	1.7/8"	235	74	22	1350
620535	2"	235	74	22	1335
620536	2.1/16"	275	98	27	2831
620537	2.1/8"	275	98	27	2840
620538	2.3/16"	275	98	27	2800
620539	2.1/4"	275	98	27	2730
620541	2.3/8"	275	98	27	2710
620542	2.1/2"	275	98	27	2580
620543	2.9/16"	275	98	27	2580
620544	2.5/8"	335	117	28.5	4685
620545	2.3/4"	335	117	35	4685
620546	2.15/16"	335	117	35	4520
620547	3"	335	117	35	4570
620548	3.1/8"	350	124	35	4305

254

Pin wrench for ring nuts

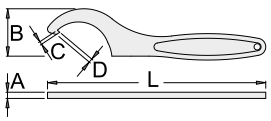


SKU		D	D1	D2	D3	L	B	
613049	18 - 100	4.8	5.8	6.8	7.8	250	55	615

255/2

Hook wrench

- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard DIN 1810 type A



SKU		L	C	D	A	B	
613050	12 - 14	109	1.2	1.5	3	12	27
613051	16 - 20	109	1.5	2	3	12	28
613052	25 - 28	136	2	2.5	4	21	56
613053	30 - 32	136	2	2.5	4	21	55
613054	34 - 36	171	2.5	3	5	28.5	114
613055	40 - 42	171	2.5	3	5	28.5	111
613056	45 - 50	207	3	3.5	6	37	206
613057	52 - 55	207	3	3.5	6	37	209
613058	58 - 62	242	3.5	4	7	46	320
613059	68 - 75	242	3.5	4	7	46	303
613060	80 - 90	281	4	5	8	61	472
613061	95 - 100	281	4	5	8	61	436
613062	110 - 115	334	4	5	10	81	805
613063	120 - 130	334	4	5	10	81	829

255/2CT

Set of hook wrenches in bag

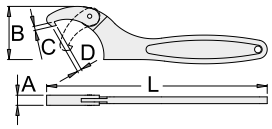
› 9x hook wrench (article 255/2) dim. 30 - 32, 40 - 42, 45 - 50, 52 - 55, 58 - 62, 68 - 75, 80 - 90, 95 - 100, 110 - 115

SKU		
615156	30 - 115	9

255/2F

Flexible hook wrench

› material: premium chrome vanadium steel
› entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009

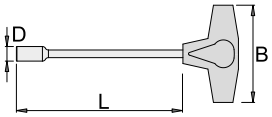


SKU		L	C	D	A	B	
615027	15 - 35	140	2,5	2.5	7	25	83
615028	35 - 50	201	4	4	10	41.5	196
615029	50 - 80	262	5	5	12	68	455
615030	80 - 120	320	5.5	5.5	14	86	829
615031	120 - 180	418	7.5	9	16	134	1768

193N

Socket wrench with T-handle

› material: premium chrome vanadium steel
› handle - polypropylene
› surface finishing: blade chrome plated according to ISO 1456:2009

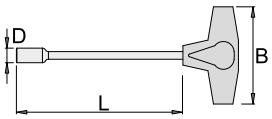


SKU		D	L	B	
608283	5.5	8.8	230	88	106
608284	6	9	230	88	107
608285	7	11	230	88	112
608286	8	12	230	88	135
608287	9	13	230	88	160
608288	10	14	230	88	161
608289	11	16	230	88	169
608290	12	17.5	230	88	196
608291	13	18	230	88	199
608292	14	20	230	88	208
608293	15	22	230	88	212
608295	17	23	230	88	223

193NTX

Socket with internal TX profile and T-handle

› material: premium chrome vanadium steel
› handle - polypropylene
› surface finishing: blade chrome plated according to ISO 1456:2009

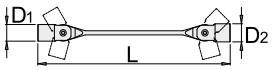


SKU		D	L	B	
621376	E10	12	231	89	157

202/1

Double swivel end socket wrench

› material: premium chrome vanadium steel
› surface finish: chrome plated according to ISO 1456:2009
› drop forged, entirely hardened and tempered



SKU		L	D	D1	
609132	8 x 9	198	12	13	96
609133	8 x 10	200.5	12	14.6	82
609134	10 x 11	214	14.6	16	95
609135	12 x 13	227	17	18	148
609136	13 x 17	242	18	23	213
609137	14 x 15	241	19.5	20.5	211
609138	16 x 17	255	22	24	295
609139	18 x 19	273	24.5	26	391
609141	20 x 22	295	27.5	30	518

202/1CT

Set of double swivel end socket wrenches in bag

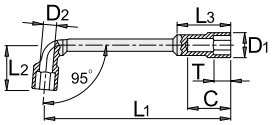
Set includes:
› 8x double swivel end socket wrench (article 202/1) dim. 8x9, 10x11, 12x13, 13x17, 14x15, 16x17, 18x19, 20x22

SKU		
615472	8 - 22	8

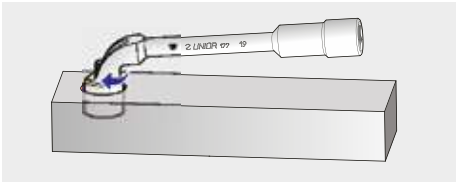
176

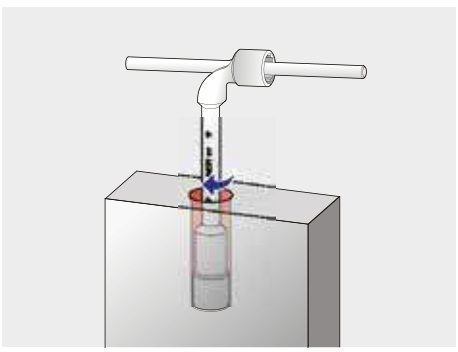
Double ended offset socket wrench

› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009



SKU	⬡	L1	L2	C	D1	T	L3	D2	
609102	6	104,5	22	22	11	7	29	5	44
609103	7	108	25	23	12	8	30,5	5	47
609104	8	113	26	27	13	10	30	6,5	76
609105	9	118	27	29	14,5	10	33	7	78
609106	10	123	31	32	16	11	35	7,5	123
609107	11	128,5	32	31	17	12	37	7,5	125
609108	12	135	33	34	18	12	40	8,5	161
609109	13	143	36,5	40	19	14	47	9	186
609110	14	149,5	40	41	21	14	48	10,5	226
609111	15	163	41,5	43	22,5	15	50	11	236
609112	16	173	46,5	47	24	17	54	13	340
609113	17	184,5	46,5	49	25	18	56	13	360
609114	18	198	49	51,5	26,5	19,5	58	13	411
609115	19	204	52	52,5	28	20,5	62	14	445
609116	20	207	53,5	54,5	30	21,5	63	14	495
609117	21	216	57	57,5	30,5	23,5	65	15	487
609118	22	231	57	58	32	23,5	67	16	590
609119	23	238	62	64,5	33,5	24,5	74	18	640
609120	24	249	64,5	68,5	34	25,5	77	18	713
609121	25	260	67	69,5	36	25,5	79	19,5	703
609122	26	270,5	68	70	36	27	81	22	876
609123	27	280	68	71	37	25,5	80	20	867
609124	28	290,5	70	73,5	38,5	27,5	84	21	1045
609125	29	298,5	72	78,5	41	28,5	90	22	1140
609126	30	311	75	80,5	42	28,5	93	23	1257
609127	32	330,5	79	82,5	45	28,5	95	24	1434
609128	35	340	90	97,5	48	35,5	108	25	2200
609129	36	376	80	86	50	30	100	25	2235





176CB

Set of double ended offset socket wrenches in carton box

Set includes:
› 16x double ended offset socket wrench (article 176) dim. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24

SKU	⟷	
609130	8 - 24	16

176CS11

Set of double ended offset socket wrenches in carton box

Set includes:
› 11x double ended offset socket wrench (article 176) dim. 8, 10, 11, 12, 13, 16, 17, 18, 19, 22, 24

SKU	⟷	
620582	8 - 24	11

176CB

Set of double ended offset socket wrenches in carton box

Set includes:
› 22x double ended offset socket wrench (article 176) dim. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32

SKU	⟷	
609131	8 - 32	22

176CS6

Set of double ended offset socket wrenches in carton box

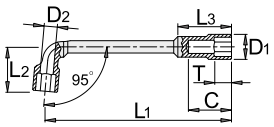
Set includes:
› 6x double ended offset socket wrench (article 176) dim. 8, 10, 11, 13, 17, 19

SKU	⟷	
620581	8 - 19	6

177

Double ended offset socket wrench

› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009



SKU	⬡	L1	L2	C	D1	T	L3	D2	
609083	8	113	26	27	13	10	30	6,5	76
609084	9	118	27	29	14,5	10	33	7	78
609085	10	123	31	32	16	11	35	7,5	123
609086	11	128,5	32	31	17	12	37	7,5	125
609087	12	135	33	34	18	12	40	8,5	161
609088	13	143	36,5	40	19	11	47	9	186
609089	14	149,5	40	41	21	14	48	10,5	226
609090	15	163	41,5	43	22,5	15	50	11	236
609091	16	173	46,5	47	24	17	54	13	340
609092	17	184,5	46,5	49	25	18	56	13	360
609093	18	198	49	51,5	26.5	19,5	58	13	411
609094	19	204	52	52,5	28	20,5	62	14	445
609095	20	207	53,5	54,5	30	21,5	63	14	495
609096	21	216	57	57,7	30,5	23,5	65	15	487
609097	22	231	57	58	32	23,5	67	16	590
609098	23	238	62	64,5	33,5	24,5	74	18	640
609099	24	249	64,5	68,5	34.5	25,5	77	18	713

177CB

Set of double ended offset socket wrenches in carton box

Set includes:
- 16x double ended offset socket wrench (article 177) dim. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24

SKU	⟷	
609100	8 - 24	16

177CS6

Set of double ended offset socket wrenches in carton box

Set includes:
- 6x double ended offset socket wrench (article 177) dim. 8, 10, 11, 13, 17, 19

SKU	⟷	
620583	8 - 19	6

177CS11

Set of double ended offset socket wrenches in carton box

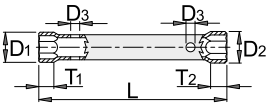
Set includes:
- 11x double ended offset socket wrench (article 177) dim. 8, 10, 11, 12, 13, 16, 17, 18, 19, 22, 24

SKU	⟷	
620584	8 - 24	11

215/2

Tubular box wrench

- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard DIN 896 (only metric dimension)

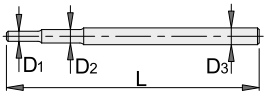


SKU	⟷	L	D1	D2	D3	T1	T2	
600696	6 x 7	105	10	11.2	6.3	8	8	28
600697	8 x 9	105	12.7	14	6.3	9	9	39
600698	8 x 10	120	12.8	15	6.3	8	8	64
600699	10 x 11	120	15.5	16.7	6.3	10	10	64
600700	12 x 13	140	18.2	19.5	8.5	12	12	104
600717	13 x 17	150	20	24.6	10.5	13	13	144
600701	14 x 15	140	21.2	22.3	8.5	14	14	134
600718	14 x 17	150	21.2	24.6	10.5	13	13	142
600702	16 x 17	150	23.5	24.6	10.5	15	15	158
600719	17 x 19	160	24.6	27	12.5	16	16	183
600703	18 x 19	155	25.8	27	12.5	16	16	184
605044	19 x 22	170	27	31.4	12.5	18	18	266
607960	19 x 24	160	27	33.7	14.5	20	20	230
600705	20 x 22	165	29	31.4	12.5	18	18	269
600706	21 x 23	165	30.3	32.5	14.5	20	20	282
607962	22 x 24	160	31.4	33.7	14.5	20	20	299
600707	24 x 26	185	33.7	36	14.5	22	22	356
600723	24 x 27	190	33.7	37.2	14.5	22	22	374
600708	25 x 28	200	34.8	38.3	16.5	24	24	432
600709	27 x 32	200	38.1	44	16.5	27	27	536
602557	30 x 32	200	41.6	44	16.5	27	27	585
603128	30 x 36	215	42.6	49.6	18.5	28	28	730
618575	41 x 46	235	52	57	22	34	34	1555
618577	50 x 55	235	63	68	21	39	75	2030

215.1/2

Rod for 215/2

- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	⟷	L	D1	D2	D3	
600745	6 - 17	230	6	8	10	137
600747	18 - 32	330	12	14	16	493
624342	36 - 55	500		18	20	1202

215/2CB

Set of tubular box wrenches in carton box

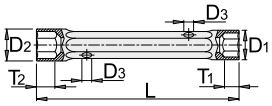
Set includes:
- 12x tubular box wrench (article 215/2) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32
- Rod (article 215.1/2) 1x dim. 230 (for tubular box wrench 6-17mm) and 1x dim. 330 (for tubular box wrench 18-32mm)

SKU	⟷	
600710	6 - 32	14

216/1

Forged tubular box wrench

- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard DIN 896 (only metric dimension)



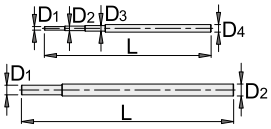
SKU	⟷	L	D1	D2	T1	T2	dia	
615229	6 x 7	105	10	11	5	6	4	39
615230	8 x 9	110	12.5	13.5	6	7	5	54
615231	10 x 11	120	15	16	7.5	8	7	66
615232	12 x 13	140	17.5	19	8	9.5	8	128
615233	14 x 15	145	20	21.5	10	11	8	144
615234	16 x 17	155	22.5	24	11	12	10	195
615235	18 x 19	165	25.5	26	13	15	12	275
615236	20 x 22	175	28	30	15	16	14	289

MADE FOR WORK.

216.1

Rod for 216/1

› material: premium chrome vanadium steel
› entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009



SKU	⟷	D1	D2	D3	D4	L	
615243	6 - 19	3.5	4.5	5.5	7.5	165	52
615244	20 - 36	9.5	11.8			210	178

216/1CB

Set of forged tubular box wrenches in carton box

Set includes:
› 8x forged tubular box wrench (article 216/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22
› Rod (article 216.1) 1x dim. 165 (for tubular box wrench 6-19mm)

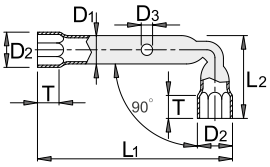
SKU	⟷	
615252	6 - 22	9

217/2

Offset tubular box wrench

› material: premium chrome vanadium steel
› entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009

Usage:
› In industry or repair shops for working in inaccessible areas. The through hole enables tightening of fasteners with a long projecting thread.

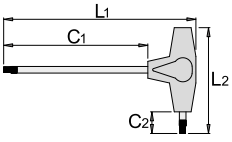


SKU	⬡	L1	L2	D1	D2	D3	T	
617053	5.5	98	25	7	8,5	4.3	7	18
617054	6	103	26	9	10	5,3	8	35
617056	8	112	34	11	12,5	6.3	9	48
617057	9	110	34	11	13,5	6.3	9	54
617058	10	121	41	13	15.5	6.3	10	82
617059	11	120	40	13	16,7	6.3	10	81
617060	12	135	46	16	18,2	8.5	12	123
617061	13	133	46	16	19,5	8.5	12	126
617063	15	135	51	18	22,3	8.5	14	163
617065	17	140	56	20	24,6	10.5	15	197
617066	18	149	65	22	25,8	12.5	16	234
617067	19	150	64	22	27	12.5	16	237
617070	22	159	71	25	31,4	12.5	20	353

193HX

T-handle hex wrench

› material: blade from premium chrome vanadium steel
› handle - polypropylene
› blade chrome plated, black anodised tip



SKU	⬡	L1	C1	C2	L2	
623238	2	155	125	15	61	12
607161	2.5	155	125	15	61	13
607162	3	155	125	15	61	16
607163	3.5	155	125	15	61	20
607164	4	155	125	15	61	24
607165	4.5	188	150	20	88	57
607166	5	188	150	20	88	56
607167	6	188	150	20	88	74
607168	7	223	175	25	113	128
607169	8	223	175	25	113	155
607170	10	248	200	25	113	233

193HXCB

Set of T-handle hex wrenches in carton box

Set includes:
› 10x T-handle hex wrench (article 193HX) dim. 2.5, 3, 3.5, 4, 4.5, 5, 6, 7, 8, 10

SKU	⟷	
608879	2.5 - 10	10

193HXCS

Set of T-handle hex wrenches in carton box

Set includes:
› 7x T-handle hex wrench (article 193HX) dim. 2.5, 3, 4, 5, 6, 8, 10

SKU		
607890	2.5 - 10	7

193HXSCS

Set of T-handle ball - end hex wrenches in carton box

Set includes:
› 7x T-handle ball-end hex wrench (article 193HXS) dim. 2.5, 3, 4, 5, 6, 8, 10

SKU		
609337	2.5 - 10	7

193TXCB

Set of TX profile screwdrivers with T handle in carton box

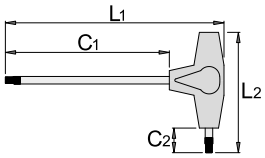
Set includes:
› 10x TX profile screwdriver with T-handle (article 193TX) dim. TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45

SKU		
608880	TX 6 - TX 45	10

193HXS

T-handle ball-end hex wrench

› material: blade from premium chrome vanadium steel
› handle - polypropylene
› blade chrome plated, black anodised tip

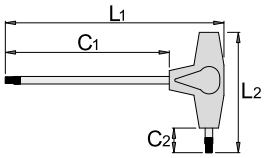


SKU		L1	C1	C2	L2	
608276	2.5	155	125	15	61	13
608277	3	155	125	15	61	16
608278	4	155	125	15	61	25
608279	5	188	150	20	88	56
608280	6	188	150	20	88	72
608281	8	223	175	25	113	153
608282	10	248	200	25	113	234

193TX

TX profile screwdriver with T-handle

› material: premium chrome vanadium steel
› handle - polypropylene
› blade chrome plated, black anodised tip



SKU		L1	C1	C2	L2	
607171	TX 6	155	125	15	61	15
607172	TX 7	155	125	15	61	15
607173	TX 8	155	125	15	61	15
607174	TX 9	155	125	15	61	15
607175	TX 10	155	125	15	61	15
607176	TX 15	155	125	15	61	19
607177	TX 20	155	125	15	61	22
607178	TX 25	188	150	20	88	46
607179	TX 27	188	150	20	88	58
607180	TX 30	188	150	20	88	67
607181	TX 40	223	175	25	113	118
607182	TX 45	223	175	25	113	142

193TXCS

Set of TX profile screwdrivers with T handle in carton box

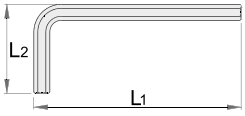
Set includes:
› 7x TX profile screwdriver with T-handle (article 193TX) dim. TX 10, TX 15, TX 20, TX 25, TX 30, TX 40, TX 45

SKU		
607888	TX 10 - TX 45	7

220/3

Hex wrench

› material: premium chrome vanadium steel
› entirely hardened and tempered
› surface finish: nickel plated
› made according to standard ISO 2936 (only metric dimension)



SKU		L1	L2	
607823	1.5	46.5	15.5	2.8
607824	2	52	18	1.72
607825	2.5	58.5	20.5	3
601036	3	66	23	5

601037	4	74	29	9.85
601038	5	85	33	18
601040	6	96	38	35
601041	7	102	41	47
601042	8	108	44	65
601044	10	122	50	108
601045	12	137	57	163
601046	14	154	70	258
601047	17	177	80	433
601048	19	199	89	603
616967	3/64"	41	13	5
616966	1/20"	41	13	5
611905	1/16"	47	16	5

220/3PB

Set of hex wrenches in plastic wallet

Set includes:
› 6x hex wrench (article 220/3) dim. 3, 4, 5, 6, 8, 10

SKU	⟷	✋
601057	3 - 10	6

220/3PB

Set of hex wrenches in plastic wallet

Set includes:
› 8x hex wrench (article 220/3) dim. 3, 4, 5, 6, 8, 10, 12, 14

SKU	⟷	✋
601059	3 - 14	8

220/3PB

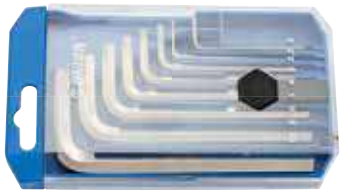
Set of hex wrenches in plastic wallet

Set includes:
› 10x hex wrench (article 220/3) dim. 3, 4, 5, 6, 8, 10, 12, 14, 17, 19

SKU	⟷	✋
601061	3 - 19	10

220/3PB1

Set of hex wrenches in plastic box



Set includes:
› 8x hex wrench (article 220/3) dim. 2, 2.5, 3, 4, 5, 6, 8, 10

SKU	⟷	✋
610914	2 - 10	8

220/3PB1

Set of hex wrenches in plastic box

› Set include dimensions 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

SKU	⟷	✋
612161	5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"	8

220/3PH

Set of hex wrenches on plastic clip

Set includes:
› 9x hex wrench (article 220/3) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

SKU	⟷	✋
607852	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	9

220/3PH

Set of hex wrenches on plastic clip

Set includes:
› 10x hex wrench (article 220/3) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12 on plastic clip

SKU	⟷	✋
617079	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12	12

220FH

Set of hexagon wrenches in folding holder

› Set include dimensions 2.5, 3, 4, 5, 6, 8, 10

SKU	⟷	📦
617146	2.5, 3, 4, 5, 6, 8, 10	300

220FH

Set of hexagon wrenches in folding holder

› Set include dimensions 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

SKU	⟷	📦
617149	3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"	300

220/3MH

Set of hex wrenches in metal folding holder

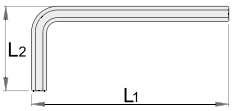
› Set include dimensions 2.5, 3, 4, 5, 6, 8, 10

SKU	⟷	
610986	2.5, 3, 4, 5, 6, 8, 10	349

220/3L

Hex wrench, long type

› material: premium chrome vanadium steel
› entirely hardened and tempered
› surface finish: nickel plated
› made according to standard ISO 2936 (only metric dimension)



SKU	⬣	L1	L2	
608510	1.5	91.5	15.5	1
608511	2	102	18	7
608512	2.5	114.5	20.5	10
608513	3	129	23	14
608514	4	144	29	22
608515	5	165	33	35
608516	6	186	38	55
608517	7	197	41	78
608518	8	208	44	105
608519	10	234	50	105
608520	12	262	57	105
608521	14	294	70	437
608522	17	337	80	753
608523	19	379	89	1026
616975	1/16"	92	16	6
616976	5/64"	102	18	7
616977	3/32"	114	20	10
616978	1/8"	129	23	14
616979	9/64"	140	26	22
616980	5/32"	144	29	22
616981	3/16"	165	33	35
616982	7/32"	176	36	55
616983	1/4"	186	38	55
616984	5/16"	208	44	105
616985	3/8"	234	50	105
616986	7/16"	261	53	105
616987	1/2"	293	63	105
616988	9/16"	294	69	437
616989	5/8"	336	76	753
616990	3/4"	379	89	1026

220/3LPB2

Set of hex wrenches, long type in plastic box

Set includes:
› 8x hex wrench, long type (article 220/3L) dim. 2, 2.5, 3, 4, 5, 6, 8, 10

SKU	⟷	
610915	2 - 10	8

220/3LPH

Set of hex wrenches, long type on plastic clip

Set includes:
› 9x hex wrench, long type (article 220/3L) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

SKU	⟷	
608533	1.5 - 10	9

220/3LPH

Set of hex wrenches, long type on plastic clip

Set includes:
› 10x hex wrench, long type (article 220/3L) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12

SKU	⟷	
617080	1.5 - 12	10

220/3LPH

Set of hex wrenches, long type on plastic clip

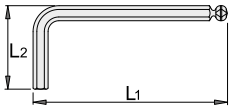
Set includes:
› 9x hex wrench, long type (article 220/3L) dim. 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"

SKU	⟷	
617082	1/16" - 3/8"	9

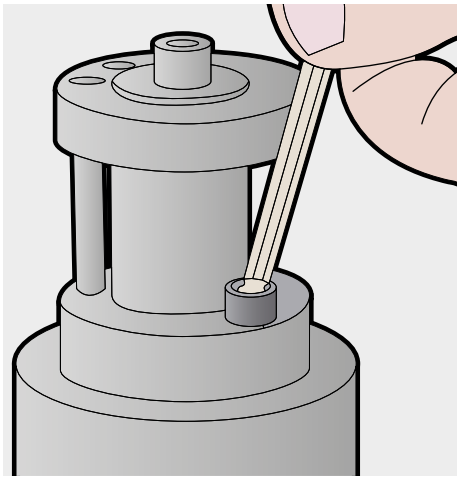
220/3S

Ball-end hex wrench

› material: premium chrome vanadium steel
› entirely hardened and tempered
› surface finish: nickel plated



SKU	⬣	L1	L2	
607826	1.5	46.5	15.5	5
607827	2	52	18	6
607828	2.5	58.5	20.5	7
607829	3	66	23	10
607830	4	74	29	15
607831	5	85	33	23
607832	6	96	38	35
607834	8	108	44	65
607835	10	122	50	108



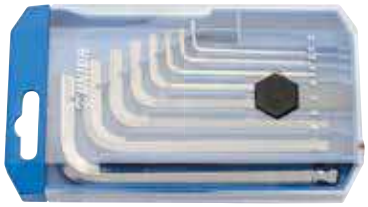
220/3SFH

Set of ball-end hex wrenches in folding holder

SKU		
617147	2.5, 3, 4, 5, 6, 8, 10	298

220/3SPB1

Set of ball-end hex wrenches in plastic box



Set includes:
› 8x ball-end hex wrench (article 220/3S) dim. 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

SKU		
610916	2 - 10	8

220/3SL

Ball-end hex wrench, long type

› material: premium chrome vanadium steel
› entirely hardened and tempered
› surface finish: nickel plated

SKU		L1	L2	
608524	1.5	91.5	15.5	6
608525	2	102	18	7
608526	2.5	114.5	20.5	10
608527	3	129	23	14
608528	4	144	29	22
608529	5	165	33	35
608530	6	186	38	55
608531	8	208	44	105
608532	10	234	50	105

220/3SLPB2

Set of ball-end hex wrenches, long type in plastic box

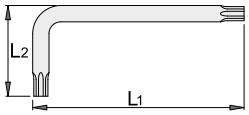
Set includes:
› 8x ball-end hex wrench, long type (article 220/3SL) dim. 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

SKU		
610917	2 - 10	8

220/7TX

Wrench with TX profile and hole

› material: premium chrome vanadium steel
› entirely hardened and tempered
› surface finish: blacken to standard DIN 50938



SKU		L1	L2	
616296	TR 9	59	19	4
609173	TR 10	65	20	5
609174	TR 15	75.5	20.5	6
609175	TR 20	87	22	10
609176	TR 25	97.5	22.5	16
609177	TR 27	105.5	25.5	18
609178	TR 30	111	30	26
609179	TR 40	119	33	36

220/3SPH

Set of ball-end hex wrenches on plastic clip

Set includes:
› 9x ball-end hex wrench (article 220/3S) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

SKU		
607853	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	9

220/3SLPH

Set of ball-end hex wrenches, long type on plastic clip

Set includes:
› 9x ball-end hex wrench, long type (article 220/3SL) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

SKU		
608534	1.5 - 10	9

220/7TXPH

Set of wrenches with TX profile and hole in plastic clip

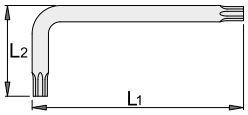
Set includes:
› 9x wrench with TX profile and hole (article 220/7TX) dim. TR 8, TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40 on plastic clip

SKU		
613089	TR 8 - TR 40	9

220/7TXN

Wrench with TX profile

› material: premium chrome vanadium steel
› entirely hardened and tempered
› surface finish: blacken to standard DIN 50938



SKU		L1	L2	
616991	TX 6	46,5	19,5	2
616992	TX 7	52.5	19.5	3
616993	TX 8	53	20	4
616994	TX 9	53	20	4
616995	TX 10	56	21	4
616996	TX 15	59.5	22.5	5
616997	TX 20	63	24	8
616998	TX 25	66.5	25.5	12
616999	TX 27	71.5	27.5	13
617000	TX 30	78	31	20
617001	TX 40	85	34	28
617004	TX 55	122	48	126

220/7TXNFH

Set of wrenches with TX profile in folding holder

› Set include dimensions TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40

SKU		
617150	TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40	300

220/7TXNPH

Set of wrenches with TX profile in plastic clip

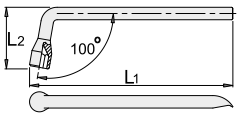
Set includes:
› 9x wrench with TX profile (article 220/7TXN) dim. TX 8, TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40 on plastic clip

SKU		
617077	TX 8 - TX 40	9

210/2

Wheel nut wrench

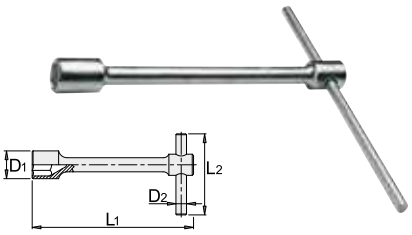
› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009



SKU		L1	L2	
600782	17	255	27	476
600783	19	285	29.5	541

212/2

Wheel nut wrench



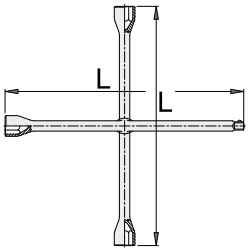
› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› made according to standard ISO DIN 3112

SKU		L1	D1	L2	D2	
600788	24	315	33	400	14	1280
600789	27	355	38	400	20	2220
600790	30	425	42	400	20	2450
600791	32	430	47,5	400	20	2815

213/6

Four-way rim wrench

› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered
› lacquered
› made according to standard ISO 6788 (only metric dimension)

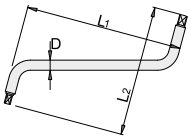


SKU					L	
600811	17	19	22	1/2"	370	1430
600809	17	19	21	23	370	1511
600812	17	19	22	24	370	1500
600813	24	27	30	3/4"	700	4400
600814	24	27	30	32	700	4600

175/2

Wrench for oil drain plugs

- material: premium chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009

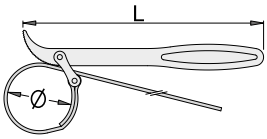


SKU	■	L1	L2	D	
605112	8 x 10	202	169	13	305

205/2

Strap wrench

- material: premium chrome vanadium steel
- strap from rubberized cloth
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009

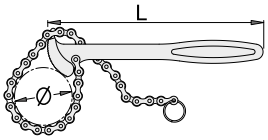


SKU	ØD	L	
601024	60 - 140	225	225

206/2

Chain wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009

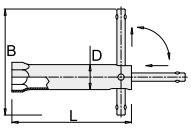


SKU	ØD	L	
601025	60 - 140	224,5	330

185/2

Spark plug wrench

- material: premium chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009



SKU	⬡	D	L	B	
600771	16	19	145	120	182
607956	19	22	115	120	199
600772	21	24	115	120	177
600773	21	24	180	120	248

205.1

Strap for 205/2

- strap from rubberized cloth

SKU	L	
602841	540	62

206.1

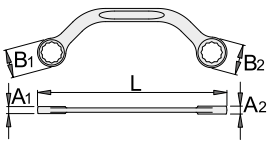
Chain for 206/2

SKU	L	
620938	500	150

200/2

Starter and block wrench

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU	⬡	L	B1	B2	A1	A2	
600671	11 x 13	150	16.5	19	7	8.5	54
600672	13 x 17	185	19.2	24.2	8.7	10.3	99
600673	14 x 17	185	20.5	24.2	8.7	10.3	104
600674	15 x 16	185	21.6	23.6	8.7	10.3	104
600676	19 x 22	230	27.2	31.8	10	11.5	178

200/2CB

Set of starter and block wrenches in carton box

- 5x starter and block wrench (article 200/2) dim. 11x13, 13x17, 14x17, 15x16, 19x22

SKU	⟷	
600677	11 - 22	5

EUROPEAN QUALITY eqtm®

UNIOR
UNIOR
HAND TOOLS

RATCHETS, SOCKETS AND ACCESSORIES

The ratchet – an indispensable part of a socket set!

The ratchet is an indispensable and essential part of every set of socket wrenches. Unior Ratchets are based on carefully made forgings from our own forge, and are processed on dedicated CNC machines, developed and produced by us. The knowledge that we have with more than 100 years of tradition is captured in the overall design development, and over time has made for a very precise mechanism, thoughtful design and good optimisation. Thus, with the possibility of replacing worn out components with new ones that we offer as spare parts, a Unior tool can last forever.

- **DURABILITY –** above the prescribed DIN standards.
- **RATCHET WITH AN INNOVATIVE MECHANISM –** they provide large torque and a smaller working angle.
- **SAFETY AGAINST SOCKET WRENCH DISENGAGEMENT –** one of the advantages of the Unior ratchet is the special locking system for socket wrenches, which releases the spanner with a single push of a button. This system further improves safety at work and the quick locking of the socket wrenches.

1/4" DRIVE SOCKETS AND ACCESSORIES	**52 - 57**
3/8" DRIVE SOCKETS AND ACCESSORIES	**58 - 62**
1/2" DRIVE SOCKETS AND ACCESSORIES	**63 - 72**
3/4" DRIVE SOCKETS AND ACCESSORIES	**73 - 74**
1" DRIVE SOCKETS AND ACCESSORIES	**74 - 76**
IMPACT SOCKET WRENCHES	**77 - 81**

UNIOR® HAND TOOLS

Premium Flex

Premium Flex chrome vanadium steel

Excellence that can withstand high torque

A lower susceptibility to cracking is particularly important for tools such as socket wrenches. Tool steel with a higher chrome and manganese content guarantees a higher tensile strength. An appropriate carbon content simultaneously ensures the corresponding hardness of the tool. Premium Flex chrome vanadium steel, an alloyed tool steel with manganese, chrome and carbon, allows for the redesign of tools that can withstand high torques.

Alloyed tool steel 25CrMo4, in accordance with EU directive 2000/53/EC

- 0.75% manganese for higher tensile strength and ductility
- 1,00% chrome for lower susceptibility to cracking and higher tensile strength
- 0.35% carbon for appropriate tool hardness

WHEN USING ANY TOOL,
PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

A special procedure for the manufacture of ratchets

Ratchet

1. Cutting: Cutting material is the first operation in the technological procedure to manufacture a ratchet casing. Optimum design of a cut provides optimal use of material.

2. Forging: The forging technology at Unior ensures excellent strength properties of wrenches. Notably, it maintains an appropriate course of fibres in a forged part, leaving them uninterrupted and the same as in a rolled blank. That characteristic is vital for achieving the characteristics of products typically exposed to heavy and dynamic loads, such as a ratchet.

3. Trimming: Superfluous material around a forged part is removed using a special purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

Ratchet casing

4. CNC working: A CNC machine is used to make a ratchet casing within the necessary tolerance margins for optimal functioning of the final product.

5. Heat treatment (quenching and tempering) and sanding: The heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

6. Sanding: Cleaning the surface before chroming is important for the sake of quality and durable surface protection.

7. Chroming: A ratchet housing is plated with a thin, but hard coating of chromium oxide that protects against corrosion and wear and other external influence. At the same time, it gives the entire product a brilliant and professional appearance.

Pinion

8. Machining is carried out on a CNC machine, which ensures the necessary accuracy. The pinion is one of the essential elements of a ratchet and individual sizes have to be executed within very narrow tolerance margins.

9. Teeth on a pinion are shaped with a broaching operation. The obtained 75-teeth geometry guarantees the necessary two-sided shifting of an Unior ratchet.

10. Cleaning the surface after heat treatment
11. Shift lever
12. Closing element
13. Shift button
14. Cover

15. Ejector pin: Ratchet parts 12-16 are made using advanced manufacturing procedures, such as sintering and injection moulding. Quality materials provide optimum strength and premium durability.

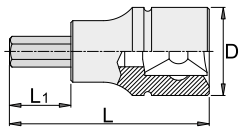
Assembly

16. Final assembly: Well qualified, skilled and meticulous employees performing the final ratchet assembly will assemble the product into a whole ensuring a top quality final product. An Unior ratchet will withstand up to 30% higher loads than standard requirements.

187/2HX

Hex socket 1/4"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered
- made according to standard DIN 7422 (only metric dimension)

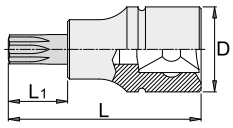


SKU	⬢	L	L1	D	
625741	2,5	32	13	12	15
607898	3	32	13	12	18
607899	4	32	13	12	18
607900	5	32	13	12	18
607901	6	32	13	12	18
607902	7	32	13	12	18

187/2TX

Screwdriver socket with TX profile 1/4"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered

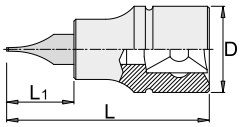


SKU	✱	L	L1	D	
607903	TX 8	32	13	12	15
607904	TX 10	32	13	12	15
607905	TX 15	32	13	12	15
607906	TX 20	32	13	12	15
607907	TX 25	32	13	12	15
607908	TX 27	32	13	12	15
607909	TX 30	32	13	12	15
607910	TX 40	32	13	12	17

187/2SL

Slotted screwdriver socket 1/4"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered

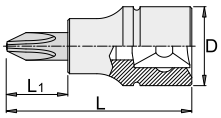


SKU	axb	L	L1	D	
607895	0.8 x 4	32	13	12	15
607896	1,0 x 5,5	32	13	12	15
607897	1,2 x 7	32	13	12	17

187/2PH

Crosstip screwdriver socket 1/4"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered

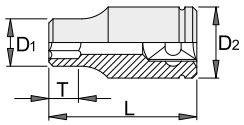


SKU	+	L	L1	D	
607892	PH 1	32	13	12	14
607893	PH 2	32	13	12	14
607894	PH 3	32	13	12	15

188/2 6p

Socket 1/4", 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 2725-1 (only metric dimension)

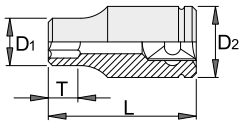


SKU	⬡	L	D1	D2	T	
618682	3.2	25	6	12	4	15
600815	4	25	6.8	11,9	5	15
600816	4.5	25	7.1	11,9	5	15
600817	5	25	8	11,9	5	15
600818	5.5	25	8.3	11,9	5	15
600819	6	25	9.3	11,9	5	15
600820	7	25	10,5	11,9	5	15
600821	8	25	11,9	11,9	5	15
600822	9	25	12,9	12,9	8	15
600823	10	25	13,9	13,9	8	39
600824	11	25	15,9	15.9	8	39
603130	12	25	16,9	16,9	8	39
600825	13	25	17,9	17,9	10	39
603131	14	25	19.7	19.7	10	39
618683	3/16"	25	8	11.9	5	15
618684	7/32"	25	8.8	11.9	5	15
618685	1/4"	25	9.3	11.9	5	15
618686	9/32"	25	10.5	11.9	5	15
618687	5/16"	25	11,9	11.9	5	15
618688	11/32"	25	12,9	12,9	5	15
618689	3/8"	25	13,9	13,9	8	39
618690	13/32"	25	14,9	14.1	8	39
618691	7/16"	25	10.5	15.9	8	39
618692	1/2"	25	17,9	17.9	10	39
618693	9/16"	25	19,7	19.7	10	39

188/2 12p

Socket 1/4", 12 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 2725-1 (only metric dimension)

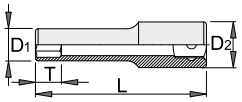


SKU		L	D1	D2	T	
616857	4	25	6.8	11.9	5	15
616858	4.5	25	7.1	11.9	5	15
616859	5	25	8	11.9	5	15
616860	5.5	25	8.3	11.9	5	15
616861	6	25	9.3	11.9	5	15
616862	7	25	10.5	11.9	5	15
616863	8	25	10.5	11.9	5	15
616864	9	25	10.5	13.1	8	15
616865	10	25	10.5	14.5	8	39
616866	11	25	10.5	15.8	8	39
616867	12	25	10.5	16.8	8	39
616868	13	25	10.5	17.8	10	39
616869	14	25	10.5	19.6	10	39
616870	3/16"	25	8	11.9	5	15
616871	7/32"	25	8.3	11.9	5	15
616872	1/4"	25	9.3	11.9	5	15
616873	9/32"	25	10.5	11.9	5	15
616874	5/16"	25	10.5	11.9	5	15
616875	11/32"	25	10.5	12.9	5	15
616876	3/8"	25	10.5	13.9	8	39
616877	13/32"	25	10.5	14	8	39
616878	7/16"	25	10.5	15.8	8	39
616879	1/2"	25	10.5	17.8	10	39
616880	9/16"	25	10.5	19.6	10	39

188/2L6p

Socket 1/4", long type, 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 2725-1 (only metric dimension)

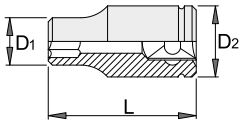


SKU		L	D1	D2	T	
618697	3.2	50	6	12	8	20
616881	4	50	6.8	11.9	5	20
616882	4.5	50	7.1	11.9	5	20
616883	5	50	8	11.9	5	20
616884	5.5	50	8.3	11.9	5	20
616885	6	50	9.3	11.9	8	20
616886	7	50	10.5	11.9	8	31
616887	8	50	11,9	11.9	8	71
616888	9	50	13,1	13.1	11	71
616889	10	50	14,5	14.5	11	71
616890	11	50	15,8	15.8	11	71
616891	12	50	16,8	16.8	13	71
616892	13	50	17,8	17.8	13	71
616893	14	50	19,6	19.6	16	71

189/2

Socket with internal TX profile 1/4"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



SKU		L	D2	D1	
607911	E 4	25	12	5.4	15
607912	E 5	25	12	6.7	15
607913	E 6	25	12	7.7	15
607914	E 7	25	12	8.3	15
607915	E 8	25	12	10.1	15
607916	E 10	25	12	11.3	15
607917	E 11	25	12	12.9	15

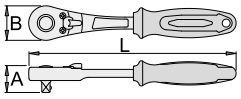
188.1/1ABI

Reversible ratchet 1/4"

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- made according to standard ISO 3315

Advantages:

- with 40 - teeth
- 9° working angle
- Safety lock system
- The socket is be released from the ratchet by simple pressing the button.

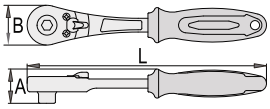


SKU	■	L	A	B	
611901	1/4"	157	24.5	25	111

188.1/1BBI

Ratchet for bits 6,3

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- for bits 6,3 mm

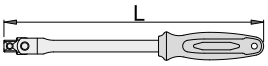


SKU	⬡	L	A	B	
625355	6,3	157	17,5	25	114

188.2/2BI

Swivel handle 1/4"

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- made according to standard ISO 3315



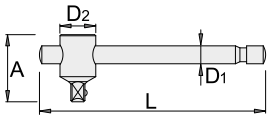
1/4"

SKU	■	L	
611902	1/4"	150	81

188.3/2

Sliding T - handle 1/4"

- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 3315



1/4"

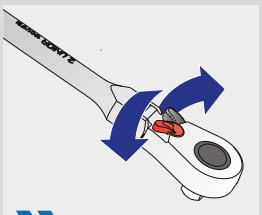
SKU	■	L	A	D1	D2	
600830	1/4"	120	24	7	14	47

188.1/1FBI

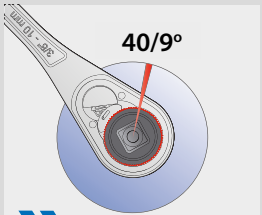
Flexible reversible ratchet 1/4"

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle

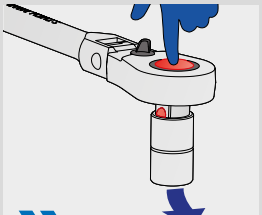
Advantages:
- with 40 - teeth
- 9° working angle
- flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps
- Safety lock system
- The socket is be released from the ratchet by simple pressing the button.



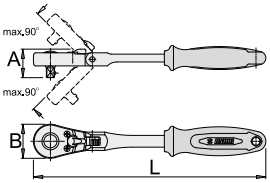
Flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps.



With 40 - teeth. 9° working angle.



The socket is be released from the ratchet by simple pressing the button.



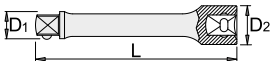
1/4"

SKU	■	L	A	B	
618367	1/4"	180	22	25	127

188.4/2

Extension bar 1/4"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› made according to standard ISO 3316

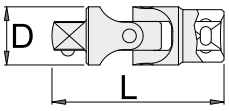


SKU	■	L	D1	D2	
600826	1/4"	55	8,3	12	18
625393	1/4"	100	8,3	12	35
600827	1/4"	150	8,3	12	50

188.6/2

Universal joint 1/4"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› made according to standard ISO 3316

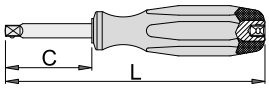


SKU	■	L	D	
607821	1/4"	41	14	35

188.8

Spinner handle 1/4"

› material: premium flex chrome vanadium steel
› handle - polypropylene
› made according to standard ISO 3315

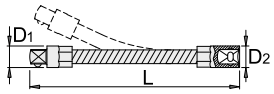


SKU	■	L	C	
607349	1/4"	150	50	97

188.4/2F

Flexible extension bar 1/4"

› material: premium flex chrome vanadium steel
› entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009

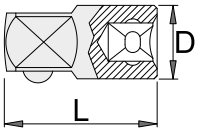


SKU	■	L	D1	D2	
612868	1/4"	150	8.3	12	56

188.7/2

Adaptor 1/4"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› made according to standard ISO 3316



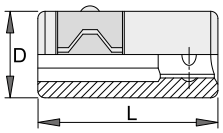
SKU	⟷	L	D	
607976	1/4" - 3/8"	35	12	23

188.9

Adaptor for bits

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009

Usage:
› for bits E6,3, C6,3



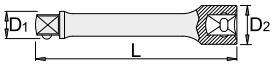
SKU	⟷	L	D	
612867	1/4" - 1/4"	25	12	18

188.4/2S

Ball-end extension bar 1/4"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009

Advantages:
› ball end shape enables working at an angle of 9°

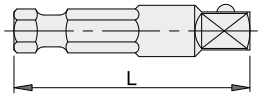


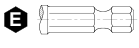
SKU	■	L	D1	D2	
610911	1/4"	55	8	12	18
610910	1/4"	150	8	12	51

188.10

Socket adaptor

- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- made according to standard DIN 7428





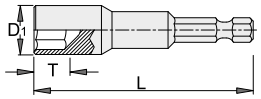
1/2" 3/8" 1/4"

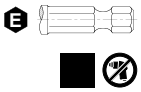
SKU		L	
604531	1/4" (6.3) - 1/4"	50	15
616808	1/4" (6.3) - 3/8"	50	20
616809	1/4" (6.3) - 1/2"	50	33

188.10A

Bit with socket wrench

- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- with magnet
- made according to standard DIN 7424





SKU			D1	L	T	
619448	6.3(1/4")	8	12.5	65	3.9	27
618701	6.3(1/4")	10	14.5	65	5	33
618702	6.3(1/4")	13	18	65	6	47
618703	6.3(1/4")	17	23.3	65	9.5	74

188.13

Bits adaptor with 10mm hexagonal drive

- material: premium flex chrome vanadium steel
- entirely hardened and tempered

SKU			
620858	10	1/4"	20

188H

Rail for 1/4" sockets

- dimension 165 - for set 10 pcs 4-13, maximum numbers of clips 13
- dimension 205 - 10 pcs set same dimension (14), maximum numbers of clips 17

1/4"

SKU	L	
619088	165	43
619235	205	53

188H1

Set of 10 pieces socket clips 1/4" for 188H

1/4"

SKU	
619410	11

188H6P12

Socket set 1/4" on rail

Set includes:
- 12x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
- 1x rail, lenght 205mm

SKU		
622628	4 - 13	12

188H6LP9

Socket set 1/4", long type on rail

Set includes:
- 9x Socket 1/4", long type, 6 point (article 188/2L6P) dim. 4, 5, 6, 7, 8, 9, 10, 12, 13
- 1x rail, lenght 205mm

SKU		
622629	4 - 13	9

188B

Socket set 1/4" in metal box

- Dimension of box: 321 x 198 x 54

Set includes:
- 13x socket 1/4", 12 point (article 188/2 12P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
- 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1,0x5,5, 1,2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint

1/4"

SKU	
615150	44

188C

Socket set 1/4" in metal box

- Dimension of box: 321 x 198 x 54

Set includes:
- 13x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 15x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint

1/4"

SKU	
615151	33

188BI

Socket set 1/4" in metal box

› Dimension of box: 197 x 105 x 38

Set includes:
› 11x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
› 1x reversible ratchet 1/4"
› accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm)

SKU		
611996	4 - 13	16

188BI6P16INCH

Socket set 1/4" in metal box

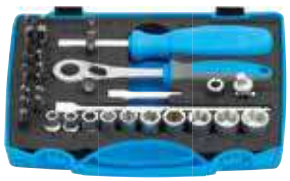
› Dimension of box: 197 x 105 x 38

Set includes:
› 11x socket 1/4", 6 point (article 188/2 6P) dim. 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 9/16"
› 1x reversible ratchet 1/4"
› accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm)

SKU		
619413	3/16" - 9/16"	16

188BI6P36

Socket and bits set 1/4"



› Dimension of box: 244 x 207 x 59

Set includes:
› 10x socket 1/4", 6 point (article 188/2 6P) dim. 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
› 1x reversible ratchet 1/4"
› accessories 1/4"; 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor for bits (1/4"-1/4")
› 1x spinner handle 1/4"
› 20x bits C6,3; hex (article 6469C6,3 dim. 3, 4, 5, 6), TX profile (article 6472C6,3 dim. TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 6463C6,3 dim. PH 1, PH 2, PH 3), double-crosstip (article 6466C6,3 dim. PZ 1, PZ 2, PZ 3), flat (article 6460C6,3 dim. 0.6x4.5, 1,2x6,5, 1,2x8,0)

SKU	
621407	36

188BI12P16

Socket set 1/4" in metal box

› Dimension of box: 197 x 105 x 38

Set includes:
› 11x socket 1/4", 12 point (article 188/2 12P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
› 1x reversible ratchet 1/4"
› accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm)

SKU		
617118	4 - 13	16

188BI12P16INCH

Socket set 1/4" in metal box

› Dimension of box: 197 x 105 x 38

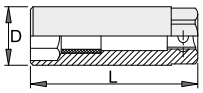
Set includes:
› 11x socket 1/4", 12 point (article 188/2 12P) dim. 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 9/16"
› 1x reversible ratchet 1/4"
› accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm)

SKU		
619414	3/16" - 9/16"	16

186.4/2

Spark plug socket 3/8"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009



SKU		D	L		
603193	16	22	63	19	68
620820	18	24.7	63	22	68
603192	19	26	63	22	68
600776	21	27	66	19	68

186.4/2A

Spark plug socket 3/8"

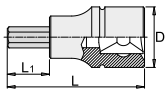
› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009

SKU		D	L		
622513	14	18	63	17	61

236/2HX

Hex screwdriver socket 3/8"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered
- made according to standard DIN 7422 (only metric dimension)

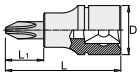


SKU	⬣	L	L1	D	
612082	4	48	22	18	39
612083	5	48	22	18	39
612084	6	48	22	18	41
612085	8	48	22	18	45
612086	10	48	22	18	56
617662	1/8"	48	22	18	39
617663	9/64"	48	22	18	39
617664	5/32"	48	22	18	39
617665	3/16"	48	22	18	39
617666	7/32"	48	22	18	41
617667	1/4"	48	22	18	41
617668	5/16"	48	22	18	45
617669	3/8"	48	22	18	56

236/2PH

Crosstip screwdriver socket 3/8"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered

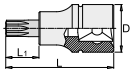


SKU	+	D	L	L1	
612093	PH 2	18	48	22	39
612094	PH 3	18	48	22	39

236/2ZX

Screwdriver socket 3/8" with ZX profile

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered
- made according to standard DIN 2324

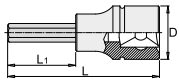


SKU	✸	L	L1	D	
612113	M5	48	22	18	37
612114	M6	48	22	18	39
612115	M8	48	22	18	46

236/2HXL

Long hex screwdriver socket 3/8"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered
- made according to standard DIN 7422 (only metric dimension)

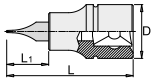


SKU	⬣	L	L1	D	
612087	4	92	66	18	65
612088	5	92	66	18	65
612089	6	92	66	18	65
612090	8	92	66	18	65
612091	10	92	66	18	65

236/2SL

Slotted screwdriver socket 3/8"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered

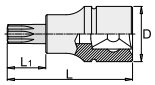


SKU	—	D	L	L1	
612098	5.5	18	48	22	42
612099	8	18	48	22	45

236/2TX

Screwdriver socket 3/8" with TX profile

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered

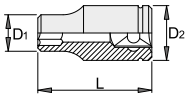


SKU	✸	D	L	L1	
612101	TX 15	18	48	22	39
612102	TX 20	18	48	22	39
612103	TX 25	18	48	22	39
612104	TX 27	18	48	22	39
612105	TX 30	18	48	22	39
612106	TX 40	18	48	22	40

237/1

Socket 3/8" with internal TX profile

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009

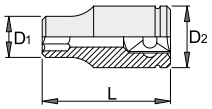


SKU		L	L1	D2	D1	
612121	E 8	28	11	16.8	12	30
612122	E 10	28	11	16.8	13.5	32
612123	E 11	28	11	16.8	14	30
612124	E 12	28	11	16.8	15	32
612125	E 14	28	11	17.8	17	37
612126	E 16	28	11	19.8	19	45

238/16p

Socket 3/8", 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)

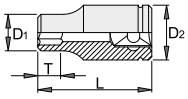


SKU		L	D1	D2		
605322	6	28	10,2	16.9	8	28
605323	7	28	10.6	16.9	8	28
605324	8	28	11.8	16.9	8	28
605325	9	28	13.2	16.9	8	29
605326	10	28	14.5	16.9	8	29
605327	11	28	15.7	16.9	8	30
605328	12	28	16.9	16.9	8	31
605329	13	28	17.9	17.9	8	35
605330	14	28	19.7	19.7	12	41
605331	15	28	20,9	20,9	12	44
605332	16	30	21.9	21.9	12	52
605333	17	30	23.5	23.5	12	57
605334	18	30	24.7	21	12	57
605335	19	30	25.9	23	14	59
605336	20	32	27.2	24	14	73
605337	21	32	27.9	25	14	73
605338	22	32	29.7	26	14	88

238/112p

Socket 3/8", 12 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)



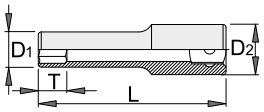
SKU		L	D1	D2		
617122	6	28	10.2	16.9	8	28
616905	7	28	10.6	16.9	8	28
616906	8	28	11.8	16.9	8	29
616907	9	28	13.2	16.9	8	29
616908	10	28	14.5	16.9	8	30
616909	11	28	15.7	16.9	8	29
616910	12	28	16.9	16.9	8	28
616911	13	28	17.9	17.9	8	32
616912	14	28	19.6	17,9	12	39
616913	15	28	20,9	20,9	12	46
616914	16	30	21.9	21.9	12	48
616915	17	30	23.5	23.5	12	49
616916	18	30	24.7	21	12	65
616917	19	30	25.9	23	14	73
616918	20	32	27.2	24	14	86
616919	21	32	27.9	25	14	88
616920	22	32	29.7	26	14	105
616921	23	32	31.7	27	14	120
616922	24	32	31.9	28	16	112
616923	1/4"	28	10.2	16.9	8	28
616924	5/16"	28	11.8	16.9	8	29
616925	3/8"	28	14.5	16.9	8	30
616926	7/16"	28	15.7	16.9	8	29
616927	1/2"	28	17,9	17,9	8	32
616928	9/16"	28	19,7	19.7	12	39
616929	5/8"	30	21,9	21.9	12	48
616930	11/16"	30	23,5	23.5	12	59
616931	3/4"	30	25.9	23	14	73
616932	13/16"	32	27.9	25	14	88
616933	7/8"	32	29.5	26	14	105
616934	15/16"	32	31.9	28	14	112
616935	1"	32	33.9	30	14	132

MADE FOR WORK.

238/1L6p

Socket 3/8", long type, 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)



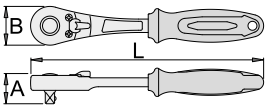
SKU		L	D1	D2		
612036	8	63	11.8	16.8	9	55
612037	9	63	13.2	16.8	9	58
612038	10	63	14.5	16.8	9	61
612039	11	63	15.7	16.8	12	67
612040	12	63	16.8	16	12	75
612041	13	63	17.8	16.5	12	81
612042	14	63	19.55	17	15	91
612043	15	63	20.75	18	15	117
612044	16	63	21.75	19	15	107
612045	17	63	23.3	20	15	128
612046	18	63	24.5	21	18	112
612047	19	63	25.7	23	18	147
612048	20	63	27	24	18	157
612049	21	63	27.7	25	18	165
612050	22	63	29.5	26	21	200

238.1/1ABI

Reversible ratchet 3/8"

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- made according to standard ISO 3315

Advantages:
- 75 - teeth
- 4,8° working angle
- Safety lock system
- The socket is be released from the ratchet by simple pressing the button.



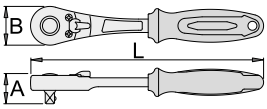
3/8"

SKU		L	A	B	
612501	3/8"	200	30	35	239

238.1/1ALBI

Reversible ratchet 3/8", long form

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- 75 - teeth
- made according to standard ISO 3315



3/8"

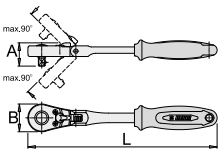
SKU		L	A	B	
617631	3/8"	260	30	35	274

238.1/1FBI

Flexible reversible ratchet 3/8"

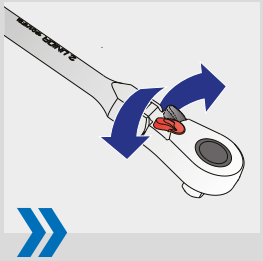
- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle

Advantages:
- 75 - teeth
- 4,8° working angle
- flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° grade of inclination
- Safety lock system
- The socket is be released from the ratchet by simple pressing the button.

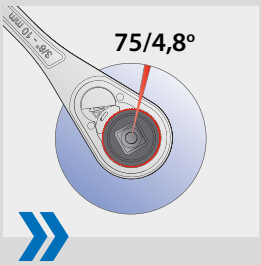


3/8"

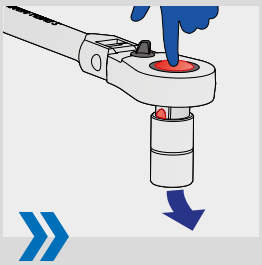
SKU		L	A	B	
618368	3/8"	260	30	35	322



Flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps.



With 75 - teeth. 4,8° working angle.

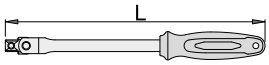


The socket is be released from the ratchet by simple pressing the button.

238.2/1BI

Swivel handle 3/8"

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- made according to standard ISO 3315



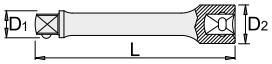
3/8"

SKU	■	L	
612502	3/8"	210	188

238.4/1

Extension bar 3/8"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316



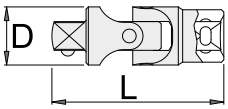
3/8"

SKU	■	L	D1	D2	
605343	3/8"	125	12.5	18	121
605342	3/8"	250	12.5	18	233

238.6/1

Universal joint 3/8"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 3316



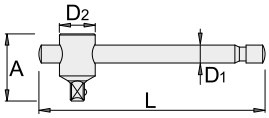
3/8"

SKU	■	L	D	
605344	3/8"	54	19	72

238.3/1

Sliding T-handle 3/8"

- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3315



3/8"

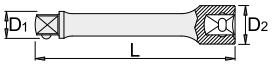
SKU	■	L	A	D1	D2	
605341	3/8"	165	34	10.4	19	149

238.4/1S

Ball-end extension bar 3/8"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head

Advantages:
- ball end shape enables working at an angle of 9°



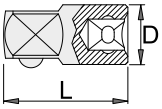
3/8"

SKU	■	L	D1	D2	
610913	3/8"	125	12.5	18	120

238.7/1

Adaptor 3/8"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316
- code 605345 do not have polished heads



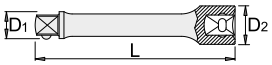
1/4" 1/2" 3/8"

SKU	⟷	D	L	
605345	3/8" - 1/2"	17	38	38
607977	3/8" - 1/4"	16.5	28	20

238.4/2

Extension bar 3/8"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 3316



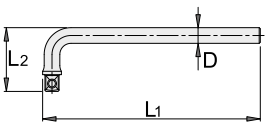
3/8"

SKU	■	L	D1	D2	
600777	3/8"	45	12.5	18	48
600778	3/8"	75	12.5	18	76

238.5/2

Offset handle 3/8"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 3315



3/8"

SKU	■	L	L2	D	
611962	3/8"	200	45	10	145

239A

Socket set 3/8" in metal box

› Dimension of box: 321 x 198 x 54

Set includes:
› 17x socket 3/8", 6 point (article 238/1 6P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
› 1x reversible ratchet 3/8"
› accessories 3/8"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint, 1x adaptor (3/8 - 1/2")

SKU		
612509	6 - 22	24

239A12P24

Socket set 3/8" in metal box

› Dimension of box: 321 x 198 x 54

Set includes:
› 17x socket 3/8", 12 point (article 238/1 12P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
› 1x reversible ratchet 3/8"
› accessories 3/8"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint, 1x adaptor (3/8 - 1/2")

SKU		
617117	6 - 22	24

239C

Socket set 3/8" in metal box

› Dimension of box: 321 x 198 x 54

Set includes:
› 17x socket 3/8", 6 point (article 238/1 6P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
› 1x reversible ratchet 3/8"
› accessories 3/8"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint
› 8x screwdriver socket 3/8"; hex (article 236/2HX dim. 4, 5, 6, 8), crosstip (article 236/2PH dim. PH 2, PH 3), flat (article 236/2SL dim. 5.5, 8)

SKU	
613072	30

239D

Socket set 3/8" in metal box

› Dimension of box: 321 x 198 x 54

Set includes:
› 17x socket 3/8", 6 point (article 238/1 6P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
› 1x reversible ratchet 3/8"
› accessories 3/8"; 1x offset handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint
› 8x screwdriver socket 3/8"; hex (article 236/2HX dim. 4, 5, 6, 8), crosstip (article 236/2PH dim. PH 2, PH 3), flat (article 236/2SL dim. 5.5, 8)

SKU	
613073	30

238H

Rail for 3/8" sockets

› dimension 260 - for set 10 pcs 6-22, maximum numbers of clips 15
› dimension 345 - 10 pcs set same dimension (22), maximum numbers of clips 20

SKU	L	
619089	260	69
619236	345	84

238H1

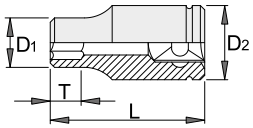
Set of 10 pieces socket clips 3/8" for 238H

SKU	
619411	16

190/1 6p

Socket 1/2", 6 point

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› polished
› made according to standard ISO 2725-1 (only metric dimension)
› made according to standard DIN 3124

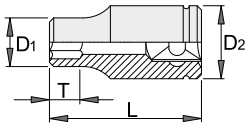


SKU		L	D1	D2		
605307	8	38	13.2	22.9	12	55
610155	9	38	13.9	22.9	12	55
600851	10	38	15	22.9	12	55
600852	11	38	16.3	22.9	12	55
600853	12	38	17.9	22.9	12	65
600854	13	38	18.8	22.9	12	65
600855	14	38	19.7	22.9	12	65
600856	15	38	20.4	22.9	12	65
600857	16	38	22.9	21.5	12	85
600858	17	38	24.3	22	12	95
600859	18	38	25.5	23	12	100
600860	19	38	26.8	24	14	105
600861	20	38	28.1	24	14	115
600862	21	38	29.3	25	14	128
600863	22	38	30.4	25	14	142
600864	23	40	31.7	26	14	147
600865	24	42	33.1	28	16	165
600866	25	42	34.2	29	16	126
600867	26	42	35.3	30	16	126
600868	27	43	37	30	18	180
600869	28	43	38	31	20	185
610156	29	43	39	32	20	185
600871	30	46	40.7	34	22	195
600872	32	46	43.2	36	22	237
610105	5/16"	38	13.2	22.9	12	55
610106	3/8"	38	15	22.9	12	55
610107	7/16"	38	16.3	22.9	12	55
610108	1/2"	38	18.8	22.9	12	65
610109	9/16"	38	20.4	22.9	12	65
610110	5/8"	38	22.9	21.5	12	85
610111	11/16"	38	25.5	23	12	95
610112	3/4"	38	26.8	24	14	105
610113	13/16"	38	29.3	25	14	128
610114	7/8"	40	31.7	26	14	142
610115	15/16"	42	33.1	28	16	165
610116	1"	42	35.3	30	16	126
610117	1.1/16"	43	37	30	18	180
610118	1.1/8"	43	39	32	20	185
610119	1.3/16"	46	40.7	34	22	237
610120	1.1/4"	46	43.2	36	22	55

190/1 12p

Socket 1/2", 12 point

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› polished
› made according to standard ISO 2725-1 (only metric dimension)

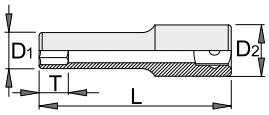


SKU		D1	D2	L		
603812	10	15	22.9	38	12	55
603813	11	16.3	22.9	38	12	55
603814	12	17.9	22.9	38	12	65
603815	13	18.8	22.9	38	12	65
603816	14	19.7	22.9	38	12	65
603817	15	20.4	22.9	38	12	65
603818	16	22.9	21.5	38	12	65
603819	17	24.3	22	38	12	65
603820	18	25.5	23	38	12	100
603821	19	26.8	24	38	14	105
603822	20	28.1	24	38	14	115
603823	21	29.3	25	38	14	128
603824	22	30.4	25	38	14	142
603825	23	31.7	26	40	14	147
603826	24	33.1	28	42	16	165
603827	27	37	30	43	18	180
603828	30	40.7	34	46	22	195
603829	32	43.2	36	46	22	237
621722	36	47,9	37,8	46	22	245
609366	3/8"	15	21,8	38	12	55
609367	7/16"	16.3	21,8	38	12	55
609368	1/2"	18.8	21,8	38	12	65
609369	9/16"	20.4	21,8	38	12	65
609370	19/32"	21,7	20.7	38	12	65
609371	5/8"	22.9	21.5	38	12	65
609372	11/16"	23,9	22	38	12	65
609373	3/4"	25,9	23	38	14	105
609374	25/32"	27.9	24	38	14	115
609375	13/16"	27,9	25	38	14	128
609376	7/8"	29,9	26	40	14	142
609377	15/16"	31,9	28	42	16	165
609378	1"	33,9	30	42	16	170
609379	1.1/16"	35,9	30	43	18	180
609380	1.1/8"	37,9	32	43	20	190
609381	1.3/16"	39,9	34	46	22	195
609382	1.1/4"	41,9	36	46	22	237

190/1L12p

Socket 1/2", long type, 12 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)

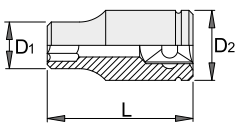


SKU		D1	D2	L		
610762	10	15	22	77	12	85
610763	11	16.3	22	77	12	110
610764	12	17.6	22	77	12	100
610765	13	18.8	22	77	12	107
610766	14	20.4	22	77	15	112
610767	15	21.6	20.7	77	15	107
610768	16	22.9	21.5	77	15	121
610769	17	24	22	77	15	130
610770	18	25.4	23	77	18	150
610771	19	26	21	77	18	140
610772	20	27.9	24	77	18	176
610773	21	28	25	77	18	166
610774	22	30	26	77	21	197
610775	23	31.6	27	77	21	226
610776	24	32	28	77	24	223
610777	27	36	30	77	27	277
610778	30	40	34	77	30	317
610779	32	42	36	77	33	335

191/1

Socket with internal TX profile 1/2"

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished



SKU		D2	D1	L	
607141	E 10	22	14	38	58
607142	E 11	22	15	38	52
607143	E 12	22	15	38	55
607144	E 14	22	17	38	57
607145	E 16	22	19	38	62
607146	E 18	22	21	38	78
607147	E 20	26	23	40	95
607148	E 22	26	25.3	40	105
607149	E 24	28	27.3	40	119

191MB1

Set of sockets with internal TX profile 1/2" in metal box

- Dimension of box: 197 x 105 x 38

Set includes:

- 9x socket 1/2" with internal TX profile (article 191/1) dim. E10, E11, E12, E14, E16, E18, E20, E22, E24

SKU	
607314	9

192/2HX

Hex socket 1/2"

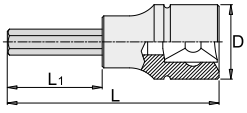
- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered
- dimensions 17, 19, 22, 24 are used for the removal and fitting of front wheels
- made according to standard DIN 7422 (only metric dimension)

SKU		D	L	L1	
600978	4	23	60	24	60
603420	5	23	60	24	60
603421	6	23	60	24	60
603422	7	23	60	24	75
603423	8	23	60	24	81
605923	9	23	60	24	85
603424	10	23	60	24	95
603425	12	23	60	24	116
624033	13	23	60	24	100
603426	14	23	60	24	168
624034	15	23	60	24	115
603427	17	24	60	20	187
603428	19	26.5	60	20	195
623141	22	26,5	60	20	196
623142	24	26,5	60	20	210
619894	3/16"	22.9	40	24	60
619895	7/32"	22.9	40	24	60
619896	1/4"	22.9	40	24	60
619899	3/8"	22.9	40	24	95
619900	1/2"	22.9	40	24	116
619901	9/16"	22.9	40	24	168
619902	5/8"	22.9	40	24	187
619904	3/4"	26.8	40	21	195

192/2HXL

Long hex socket 1/2"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered
- made according to standard DIN 7422 (only metric dimension)

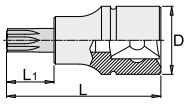


SKU		D	L	L1	
603380	5	22.9	100	64	67
603381	6	22.9	100	64	67
619805	6	22.9	183	147	95
603383	7	22.9	100	64	67
603384	8	22.9	100	64	67
619806	8	22.9	143	107	115
603386	10	22.9	100	64	117
619807	10	22.9	163	127	163
603455	12	22.9	100	64	139
619415	14	22.9	100	64	165

192/2TX

Screwdriver socket 1/2" with TX profile

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered

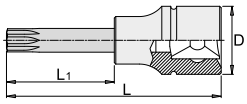


SKU		D	L	L1	
605562	TX 20	22.9	52	16	71
605563	TX 25	22.9	52	16	73
605564	TX 27	22.9	52	16	73
605565	TX 30	22.9	52	16	75
605566	TX 40	22.9	52	16	77
605567	TX 45	22.9	52	16	78
605568	TX 50	22.9	52	16	80
605569	TX 55	22.9	57	21	85
605570	TX 60	22.9	57	21	96

192/2TXL

Long screwdriver socket 1/2" with TX profile

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered
- polished

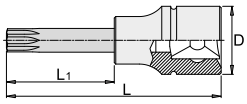


SKU		D	L	L1	
612422	TX 20	22.9	100	64	76
612423	TX 25	22.9	100	64	86
612424	TX 27	22.9	100	64	86
612425	TX 30	22.9	100	64	86
612426	TX 40	22.9	100	64	90
612427	TX 45	22.9	100	64	92
612428	TX 50	22.9	100	64	94
612429	TX 55	22.9	100	64	100
612430	TX 60	22.9	100	64	110
619857	TX 70	24.3	105	65	253

192/2ZXL

Long screwdriver socket 1/2" with ZX profile

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered

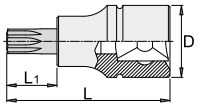


SKU		D	L	L1	
612171	M 6	22.9	100	64	85
612172	M 8	22.9	100	64	91
612173	M 10	22.9	100	64	110
612174	M 12	22.9	100	64	123
619845	M 14	22.9	100	64	143
620258	M 16	22.9	100	64	235

192/2ZX

Screwdriver socket 1/2" with ZX profile

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered



SKU		D	L	L1	
612165	M 5	22.9	52	16	72
612166	M 6	22.9	52	16	70
612167	M 8	22.9	52	16	80
612168	M 10	22.9	57	21	84
612169	M 12	22.9	57	21	90
612170	M 14	22.9	57	21	97
620257	M 16	22.9	57	21	155

192/12

Set of screwdriver sockets with TX profile 1/2" in metal box

- Dimension of box: 197 x 105 x 38

Set includes:

- 9x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60

SKU	⟷	
603657	TX 20 - TX 60	9

192/14

Hexagonal screwdriver socket set 1/2" in metal box

› Dimension of box: 197 x 105 x 38

Set includes:
› 9x hex socket 1/2" (article 192/2HX) dim. 5, 6, 7, 8, 9, 10, 12, 14, 17

SKU	⟷	
607064	5 - 17	9

192/16

Set of long hexagonal screwdriver socket 1/2" in plastic box

› Dimension of box: 197 x 167 x 35

Set includes:
› 7x hex socket 1/2", long type (article 192/2HXL) dim. 5x100, 6x100, 7x100, 8x100, 10x100, 12x100, 14x100

SKU	⟷	
619416	5 - 14	7

192/17

Set of long screwdriver socket with TX profile 1/2" in plastic box

› Dimension of box: 197 x 167 x 35

Set includes:
› 7x long screwdriver socket 1/2", with TX profile (article 192/2TXL) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50

SKU	⟷	
619417	TX 20 - TX 50	7

192/14INCH

Hexagonal screwdriver socket set 1/2" in metal box

› Dimension of box: 197 x 105 x 38

Set includes:
› 8x hex socket 1/2" (article 192/2HX) dim. 3/16", 7/32", 1/4", 3/8", 1/2", 9/16", 5/8", 3/4"

SKU	⟷	
621759	3/16" - 3/4"	8

192/15

Set of screwdriver sockets with ZX profile 1/2" in plastic box

› Dimension of box: 197 x 167 x 35

Set includes:
› 6x screwdriver socket 1/2", with ZX profile (article 192/2ZX) dim. M5, M6, M8, M10, M12, M14
› 4x long screwdriver socket 1/2", with ZX profile (article 192/2ZXL) dim. M6, M8, M10, M12

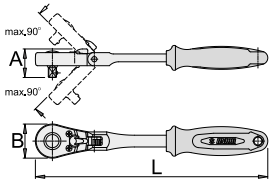
SKU	
617125	10

190.1/1FBI

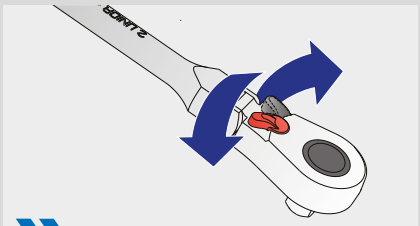
Flexible reversible ratchet 1/2"

› material: premium flex chrome vanadium steel
› body drop forged
› entirely hardened and tempered
› ergonomic heavy duty double component handle
› surface finish: chrome plated to standard ISO 1456:2009

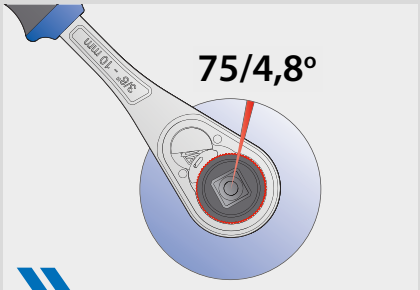
Advantages:
› 75 - teeth
› 4,8° working angle
› flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps
› Safety lock system
› The socket is be released from the ratchet by simple pressing the button.



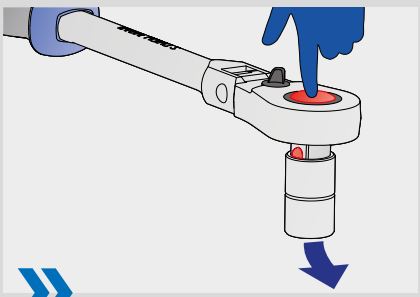
SKU	■	L	A	B	
618369	1/2"	320	36	40	598



Flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps.



With 75 - teeth. 4,8° working angle.



The socket is be released from the ratchet by simple pressing the button.

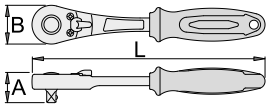
190.1/1ABI

Reversible ratchet 1/2"

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- made according to standard ISO 3315

Advantages:

- 75 - teeth
- 4,8° working angle
- Safety lock system
- The socket is be released from the ratchet by simple pressing the button.
- body entirely polished



1/2"

SKU	■	L	A	B	
611782	1/2"	260	36	45	423

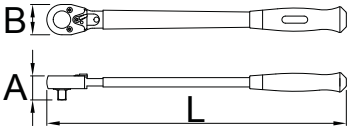
190.1/1LG

Strong reversible ratchet 1/2"

- The ratchet is exceptionally strong and virtually impossible to break using only human strength. Regardless whether we use it for tightening or loosening bolts or nuts. The ratchet can withstand torque over 700 Nm. This is achieved with a durable mechanism with only 24 teeth and a long lever. Ratchet is used for loosening and tightening different sizes of bolts and nuts. Due to its durability, it can be easily used to loosen overtightened or rusted bolts such as wheel bolts.
- material: premium flex chrome vanadium steel
- body drop forged
- surface finish: chrome plated to standard ISO 1456:2009

Advantages:

- high durability
- long lever, 465 mm
- 24 - teeth

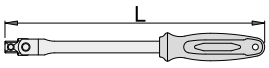


SKU	■	L	A	B	
627200	1/2"	465	37.5	47	1240

190.2/1BI

Swivel handle 1/2"

- material: premium chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- made according to standard ISO 3315



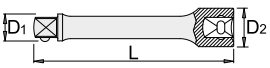
1/2"

SKU	■	L	
611899	1/2"	380	572
611900	1/2"	450	671

190.4/2

Extension bar 1/2"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009



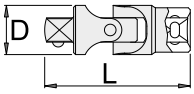
1/2"

SKU	■	L	D1	D2	
612565	1/2"	600	16.8	24	732

190.6/2

Universal joint 1/2"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 3316



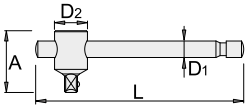
1/2"

SKU	■	D	L	
600873	1/2"	23	75.5	158

190.3/1

Sliding T - handle 1/2"

- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 3315



1/2"

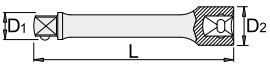
SKU	■	L	A	D1	D2	
600876	1/2"	300	45	14	25.5	340

190.4/1S

Ball-end extension bar 1/2"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316

Advantages:
- ball end shape enables working at an angle of 9°



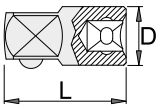
1/2"

SKU	■	L	D1	D2	
610909	1/2"	75	16.8	24	110
610908	1/2"	125	16.8	24	180
610907	1/2"	250	16.4	24	340

190.7/2

Adaptor 1/2"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 3316



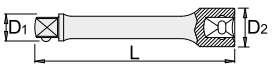
3/8" 1/2" 3/4"

SKU	○	■	D	L	
603334	1/2"	3/8"	23	38	67
607975	1/2"	3/4"	22	35	168

190.4/1

Extension bar 1/2"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316



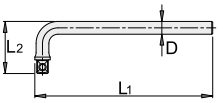
1/2"

SKU	■	L	D1	D2	
607955	1/2"	75	16.8	24	114
600874	1/2"	125	16.8	24	178
600875	1/2"	250	16.8	24	326

190.5/2

Offset handle 1/2"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 3315



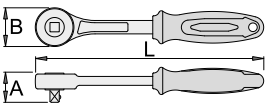
1/2"

SKU	■	L1	L2	D	
610933	1/2"	245	59	16.8	342

190.9/2ABI

One-way ratchet 1/2" without pivot

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle

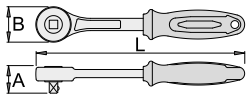


SKU	■	A	B	L	
611608	1/2"	38	43,5	252	498

190.9/2BI

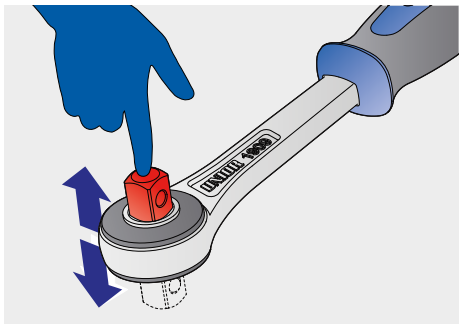
One-way ratchet 1/2"

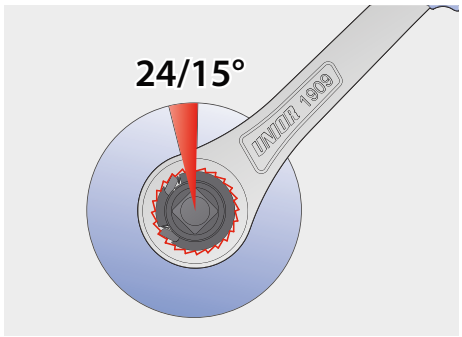
- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- code 611608 is ratchet without replacement square



1/2"

SKU	■	A	B	L	
600909	1/2"	38	43.5	252	498





190.10

Replacement square 1/2"

- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- for one-way ratchet 190.9/2BI
- made according to standard ISO 3315

1/2"

SKU	■	L	
603378	1/2"	40	50

190H

Rail for sockets 1/2"

- dimension 330 - for set 10 pcs 8 - 32, maximum numbers of clips 14
- dimension 450 - 10 pcs set same dimension (22), maximum numbers of clips 19

1/2"

SKU	L	
619090	330	95
619237	450	120

190H1

Set of 10 pieces socket clips 1/2" for 190H

1/2"

SKU	
619412	27

190H12P15

Socket set 1/2" on rail

Set includes:
- 15x socket 1/2", 12 point (article 190/1 12P) dim. 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32
- 1x rail, lenght 450mm

1/2"

SKU	⟷	
622635	10 - 32	15

190H12P15IN

Socket set 1/2" on rail

Set includes:
- 15x socket 1/2", 12 point (article 190/1 12P) dim. 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4"
- 1x rail, lenght 450mm

1/2"

SKU	⟷	
622634	3/8" - 1.1/4"	15

190H12LP7

Socket set 1/2", long type on rail

Set includes:
- 7x socket 1/2", long type, 12 point (article 190/1L12P) dim. 13, 14, 15, 17, 21, 22, 24

1/2"

SKU	⟷	
622636	13 - 24	7

190BI6P14

Socket set 1/2" in metal box

› Dimension of box: 321 x 198 x 54

Set includes:
› 11x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x sliding T - handle, 1x extension bar (125 mm)

SKU	⟷	✋
611940	10 - 24	14

190BI6P22IN

Socket set 1/2" in metal box

› Dimension of box: 448 x 198 x 54

Set includes:
› 16x socket 1/2", 6 point (article 190/1 6P) dim. 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4"
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

SKU	⟷	✋
615180	5/16" - 1.1/4"	22

190BI6P24

Socket set 1/2" in metal box

› Dimension of box: 448 x 198 x 54

Set includes:
› 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

SKU	⟷	✋
611939	10 - 32	24

190BI6P17

Socket set 1/2" in plastic box

› Dimension of box: 307 x 260 x 70

Set includes:
› 14x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 27, 30, 32
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x sliding T - handle, 1x extension bar (75 mm)

SKU	⟷	✋
622023	10 - 32	17

190BI6P23

Socket set 1/2" in metal box

› Dimension of box: 448 x 198 x 54

Set includes:
› 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

SKU	⟷	✋
612779	10 - 32	23

190BI6P28

Socket set 1/2" in plastic box

› Dimension of box: 346 x 292 x 83

Set includes:
› 13x socket 1/2", 6 point (article 190/1 6P) dim. 10, 13, 14, 15, 16, 17, 18, 19, 22, 24, 27, 30, 32
› 10x socket 1/2", long type, 12 point (article 190/1L12P) dim. 12, 13, 14, 17, 19, 21, 22, 24, 27, 30
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

SKU	⟷	✋
612162	10 - 32	28

190BI6P43

Socket set 1/2" and 1/4" in plastic box

› Dimension of box: 346 x 292 x 83

Set includes:
› 13x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
› 1x reversible ratchet 1/4"
› accessories 1/4"; 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint
› 13x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32
› 7x hex socket 1/2" (article 192/2HX) dim. 6, 7, 8, 10, 12, 14, 17
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

SKU		
611944	4 - 32	43

190BI12P23

Socket set 1/2" in metal box

› Dimension of box: 448 x 198 x 54

Set includes:
› 18x socket 1/2", 12 point (article 190/1 12P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

SKU		
615327	10 - 32	23

190BI12P23IN

Socket set 1/2" in metal box

› Dimension of box: 448 x 198 x 54

Set includes:
› 17x socket 1/2", 12 point (article 190/1 12P) dim. 3/8", 7/16", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4"
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

SKU		
611943	3/8" - 1.1/4"	23

190BI12P15

Socket set 1/2" in metal box

Set includes:
› 11x socket 1/2", 12 point (article 190/1 12P) dim. 10, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x sliding T - handle, 1x extension bar (250 mm), 1x universal joint

SKU		
627205	10 - 32	15

190BI12P24

Socket set 1/2" in metal box

› Dimension of box: 448 x 198 x 54

Set includes:
› 18x socket 1/2", 12 point (article 190/1 12P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

SKU		
611941	10 - 32	24

190BITX1P22

Socket set 1/2" in metal box

› Dimension of box: 448 x 198 x 54

Set includes:
› 9x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60
› 9x socket 1/2" with internal TX profile (article 191/1) dim. E10, E11, E12, E14, E16, E18, E20, E22, E24
› 1x reversible ratchet 1/2"
› accessories 1/2"; 2x extension bar (125, 250mm), 1x universal joint

SKU	
611945	22

190BIHX1P20

Socket set 1/2" in metal box

› Dimension of box: 448 x 198 x 54

Set includes:
› 6x hex socket 1/2", long type (article 192/2HXL) dim. 5x100, 6x100, 7x100, 8x100, 10x100, 12x100
› 11x hex socket 1/2" (article 192/2HX) dim. 4, 5, 6, 7, 8, 9, 10, 12, 14, 17, 19
› 1x reversible ratchet 1/2"
› accessories 1/2"; 2x extension bar (125, 250mm)

SKU	
611946	20

190-6P17

Socket set 1/2" in plastic box

› Dimension of box: 307 x 260 x 70

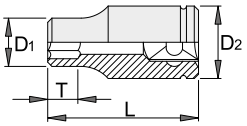
Set includes:
› 14x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 27, 30, 32
› 1x one-way ratchet 1/2"
› accessories 1/2"; 1x sliding T - handle, 1x extension bar (75 mm)

SKU		
622022	10 - 32	17

197/1 6p

Socket 3/4", 6 point

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› polished
› torque: DIN 899 range E
› made according to standard ISO 2725-1 (only metric dimension)

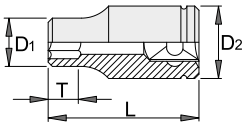


SKU		D1	D2	L	T	
619698	19	29,2	33	50	14	175
602723	22	32.2	36	50	14	220
602724	23	33.2	36	50	14	221
602725	24	34.2	36	51	16	230
602726	26	37	36	52	16,5	230
602727	27	38	36	52	22	239
602728	28	39,5	36	52	22	242
619702	29	40,5	36	52	22	270
602729	30	42	36	54	24	273
602730	32	44	36	56	26	295
602731	34	47	36	56	26	347
619701	35	48	38	58	26	401
602732	36	50	38	58	28	400
602733	38	52	38	60	28	488
602734	41	56	40	64	30	502
602735	46	62	42	66	32	621
602736	50	68	42	70	34	708
617527	55	74	45	76	38	914
603135	60	80	45	78	42	1105
609383	7/8"	32.2	36	50	14	220
609384	15/16"	34.2	36.2	51	16.5	231
609385	1"	37	36	52	16	234
609386	1.1/16"	38	36	52	22	224
609387	1.1/8"	40	38	52	22	265
609388	1.1/4"	44	38	56	24	313
609390	1.3/8"	48	42	58	26	406
609391	1.7/16"	50	42	58	28	415
609392	1.1/2"	52	45	60	28	414
609393	1.5/8"	56	45	64	30	572
609394	1.11/16"	58	45	65	32	595
609396	1.7/8"	64	48	70	34	741
609397	2"	68	48	72	36	842

197/1 12p

Socket 3/4", 12 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)

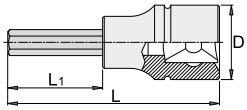


SKU		D1	D2	L	T	
618666	22	32.2	36	50	14	215
618667	23	33.2	36	50	14	216
618668	24	34.2	36	51	16	224
618669	26	37	36	52	16	220
618670	27	38	36	52	22	224
618671	28	39.5	36	52	22	234
618672	30	42	36	54	24	254
618673	32	44	36	56	26	282
618674	34	47	36	56	26	329
618675	36	50	38	58	28	372
618676	38	52	38	60	28	473
618677	41	56	40	64	30	487
618678	46	62	42	66	32	566
618679	50	68	42	70	34	683
618680	55	74	45	76	38	828
618681	60	80	45	78	42	993

197/2AHX

Hex socket 3/4"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered
- made according to standard DIN 7422 (only metric dimension)

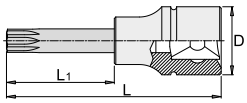


SKU		D	L	L1	
619836	14	33.85	80	30	267
619837	17	33.85	80	30	275
619838	19	33.85	80	30	364
619839	22	33.85	80	30	381

197/2ATX

Screwdriver socket with TX profile 3/4"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered

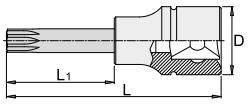


SKU		D	L	L1	
619840	TX 60	33.85	80	30	257
619841	TX 70	33.85	80	30	262
619842	TX 80	33.85	80	30	267
619843	TX 90	33.85	80	30	351
619844	TX 100	33.85	80	30	363

197/2AZX

Screwdriver socket 3/4" with ZX profile

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered

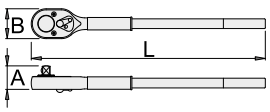


SKU		D	L	L1	
620818	M18	33.9	80	30	371

197.1/1

Reversible ratchet 3/4"

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- 24 - teeth
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 3315

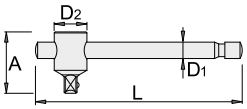


SKU		A	B	L	
602737	3/4"	58	63.5	500	2590

197.3/1

Sliding T-handle 3/4"

- material: premium flex chrome vanadium steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3315



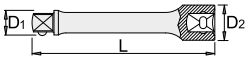
3/4"

SKU	■	A	D1	D2	L	
602738	3/4"	60	20	37	455	1400

197.4/1

Extension bar 3/4"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316



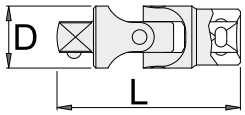
3/4"

SKU	■	L	D1	D2	
602740	3/4"	200	25.3	36	635
602739	3/4"	400	25.3	36	1160

197.6/1

Universal joint 3/4"

- material: premium flex chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



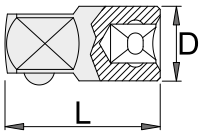
3/4"

SKU	■	D	L	
617657	3/4"	40	107	597

197.7/1

Adaptor 3/4"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316



1/2" 3/4" 1"

SKU		L	D	
602741	3/4" - 1/2"	54	34	181
610695	3/4" - 1	62	38	364

MADE FOR WORK.

197MB1

Socket set 3/4" in metal box

- Dimension of box: 505 x 215 x 78

Set includes:

- 9x socket 3/4", 6 point (article 197/1 6P) dim. 22, 24, 27, 30, 32, 36, 38, 41, 46
- 1x reversible ratchet 3/4"
- accessories 3/4"; 1x sliding T - handle, 2x extension bar (200, 400mm), 1x adaptor (3/4"-1/2")

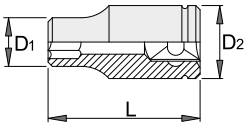
3/4" 3/4"

SKU		
602742	22 - 46	14

199/1 6p

Socket 1", 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished
- made according to standard ISO 2725-1 (only metric dimension)



1"

SKU		D1	D2	L	T	
603096	46	65	50	75	34	849
603097	50	70	55	75	34	1039
603098	55	76	57	80	40	1222
603099	60	82	57	84	42	1383
603100	65	88	57	87	44	1607
603101	70	94	68	93	48	2039
603102	75	100	68	97	52	2243
603103	80	105	68	103	54	2479

197MB2

Socket set 3/4" in metal box

- Dimension of box: 505 x 215 x 78

Set includes:

- 10x socket 3/4", 6 point (article 197/1 6P) dim. 22, 24, 27, 30, 32, 36, 38, 41, 46, 50
- 1x reversible ratchet 3/4"
- accessories 3/4"; 1x sliding T - handle, 2x extension bar (200, 400mm)

3/4" 3/4"

SKU		
600954	22 - 50	14

197MB3

Socket sets 3/4", inch sizes in metal box

› Dimension of box: 505 x 215 x 78

Set includes:
› 10x socket 3/4", 6 point (article 197/1 6P) dim. 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4", 1.3/8", 1.1/2", 1.5/8", 1.7/8"
› 1x reversible ratchet 3/4"
› accessories 3/4"; 1x sliding T - handle, 2x extension bar (200, 400mm)

SKU		
617119	7/8" - 1.7/8"	13

197MB4

Socket set 3/4" in metal box

› Dimension of box: 505 x 215 x 78

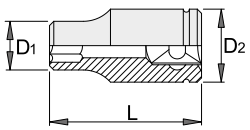
Set includes:
› 9x socket 3/4", 6 point (article 197/1 6P) dim. 22, 24, 27, 30, 32, 36, 41, 46, 55
› 1x reversible ratchet 3/4"
› accessories 1/4"; 1x sliding T - handle, 2x extension bar (200, 400mm), 1x universal joint, 1x adaptor (3/4"-1/2")

SKU		
619927	22 - 55	15

199/1 12p

Socket 1", 12 point

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› polished
› made according to standard ISO 2725-1 (only metric dimension)

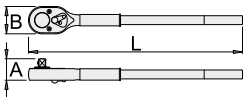


SKU		D1	D2	L	T	
618699	65	82	56.9	84	42	1444

199.1/1

Reversible ratchet 1"

› material: premium flex chrome vanadium steel
› body drop forged
› entirely hardened and tempered
› 24 - teeth
› surface finish: chrome plated to standard ISO 1456:2009
› made according to standard ISO 3315

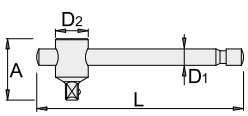


SKU	■	A	B	L	
603104	1"	71	71.5	665	4655

199.3/1

Sliding T-handle 1"

› material: premium flex chrome vanadium steel
› entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› polished head
› made according to standard ISO 3315

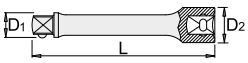


SKU	■	A	D1	D2	L	
603105	1"	80	28	49	560	3330

199.4/1

Extension bar 1"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316

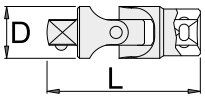


SKU	■	L	D1	D2	
603107	1"	200	33.6	48	1125
603106	1"	400	33.6	48	1900

199.6/1

Universal joint 1"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316

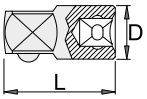


SKU	■	D	L	
617658	1"	49	141	1120

199.7/1

Adaptor 1"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made according to standard ISO 3316



SKU	⟷	D	L	
619905	1" - 3/4"	48	65	427

199MB1

Socket set 1" in metal box

- Dimension of box: 670 x 220 x 100

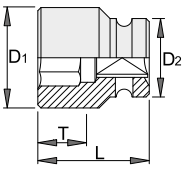
Set includes:
- 8x socket 1", 6 point (article 199/1 6P) dim. 46, 50, 55, 60, 65, 70, 75, 80
- 1x reversible ratchet 1"
- accessories 1"; 1x sliding T - handle, 2x extension bar (200, 400mm)

SKU	⟷	
603095	46 - 80	12

230/4 6p

Impact socket 3/8", 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 2725-2 (only metric dimension)

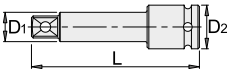


SKU	⬡	D2	D1	L	T	
612060	8	19	13.8	30	8	45
612062	10	19	16	30	8	45
612063	11	19	17.5	30	9	45
612064	12	19	19	30	9	45
612065	13	22	20	30	9	61
612066	14	22	21	30	9	55
612067	15	22	22	30	11	58
612069	17	22	25	30	11	65
612070	18	22	26	30	11	69
612071	19	22	27.5	30	11	66
612073	21	22	30	30	13	73
612074	22	23	32	30	13	86

230.4/4

Impact extension bar 3/8"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717

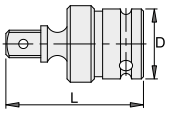


SKU	■	L	D1	D2	
612075	3/8"	75	12.5	19	83
612076	3/8"	125	12.5	19	127

230.6/4

Impact universal joint 3/8"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



SKU	■	D	L	
612077	3/8"	23.9	51	98

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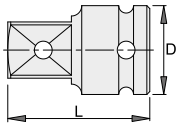
230.7/4

Impact adaptor 3/8"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



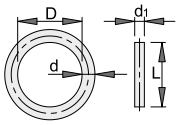
1/2" 3/8"

SKU	⟷	D	L	
612078	3/8" - 1/2"	22	36	67

230.8/4

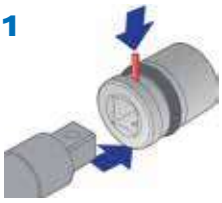
Impact accessories 3/8"

- material of pin: chrome molybdenum
- material of ring: rubber
- surface finish of pin: phosphated to standard DIN

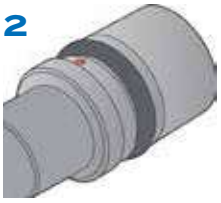


SKU	⟷	D	d	L	d1	
612079	6 - 12	16	2.4	15	2.5	7
612080	13 - 21	19	2.4	18	2.5	7

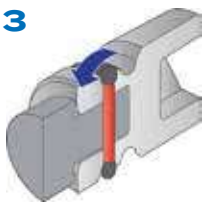
1



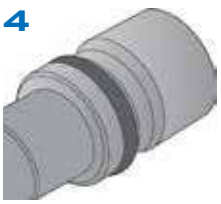
2



3



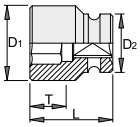
4



231/4 6p

Impact socket 1/2", 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 2725-2 (only metric dimension)



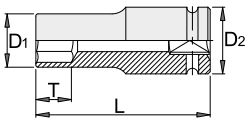
1/2"

SKU	⬡	D1	D2	L	T	
603962	10	17.5	25	38	12	94
603963	11	18.7	25	38	12	95
603964	12	20	25	38	12	95
603965	13	21	25	38	12	96
603966	14	22.5	25	38	12	95
603967	15	23.7	30	38	12	140
603968	16	25	30	38	12	143
603969	17	26	30	38	13	140
609399	18	27.5	30	38	13	135
603970	19	28.7	30	38	13	126
603971	21	30	30	38	13	139
603972	22	32	30	38	13	133
603973	23	32	30	38	13	183
603974	24	35	30	45	20	235
603975	27	38.7	30	50	24	235
609400	28	40	30	50	24	255
603976	30	42	30	50	24	259
605548	32	44	30	50	24	72

231/4L6p

Impact socket 1/2", long type, 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 2725-2 (only metric dimension)



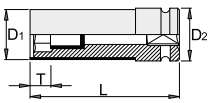
1/2"

SKU	⬡	D1	D2	L	T	
607918	10	17.5	25	78	14	144
607919	11	18.7	25	78	14	166
607920	12	20	25	78	14	160
607921	13	21.3	25	78	14	168
607922	14	22.5	25	78	17	174
607923	15	23.7	30	78	17	226
607924	16	25	30	78	17	259
607925	17	26.2	30	78	17	244
609401	18	27.5	30	78	17	257
607926	19	28.7	30	78	19	265
607927	21	30	30	78	24	280
607928	22	32	30	78	24	292
607929	23	32	30	78	24	275
607930	24	35	30	78	24	337
607931	27	38.7	30	78	24	395
609402	28	40	30	78	24	395
607932	30	42	30	78	24	432
607933	32	44	30	78	24	421

231/4P

Impact socket 1/2" for alloy wheels, 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- with plastic protection



1/2"

SKU	⬡	D1	D2	L	T	
616763	17	27	30	85	14	225
616764	19	29	30	85	15	237
616765	21	31	30	85	17	262

231/4PPB

Set of 1/2" impact sockets for alloy wheels in plastic box

› Dimension of box: 197 x 167 x 47

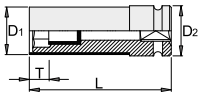
Set includes:
› 3x impact socket 1/2" for alloy wheels, 6 point (article 231/4P) dim. 17, 19, 21

SKU		
619965	17 - 21	3

231/4PL

Impact socket 1/2" for alloy wheels, long type, 6 point

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717
› with plastic protection



SKU		D1	D2	L	T	
619015	17	27	25	130	24	305
619016	19	29	30	130	24	360
619017	21	31	30	130	24	405

231/4PB1

Set of impact sockets 1/2" in plastic box

› Dimension of box: 244 x 207 x 59

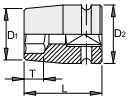
Set includes:
› 9x impact socket 1/2", 6 point (article 231/4 6P) dim. 15, 17, 18, 19, 21, 22, 24, 27, 30
› impact socket accessories 1/2"; 1x extension bar (75 mm), 2x ring with pin

SKU		
612506	15 - 30	10

231/4TX

Impact socket 1/2" with internal TX profile

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717

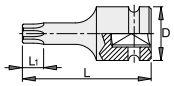


SKU		D1	D2	L	T	
612880	E 10	15	25	38	7.5	90
612881	E 12	16	25	38	8.5	90
612882	E 14	18.5	25	38	10	95
612883	E 16	20	25	38	11	95
612884	E 18	22	25	38	12	95
612885	E 20	25	30	38	13.5	145
612886	E 24	28.5	30	45	21	170

231/4ATX

Impact screwdriver socket 1/2" with TX profile

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717

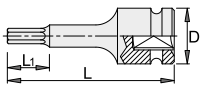


SKU		D	L	L1	
612874	TX 30	25	55	3.8	86
612875	TX 40	25	55	3.8	86
612876	TX 45	25	55	4,3	86
612877	TX 50	25	55	5	92
612878	TX 55	25	55	5,5	95
612879	TX 60	25	55	8	105
618761	TX 70	25	55	9,4	111

231/4AHX

Impact hex socket 1/2"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717

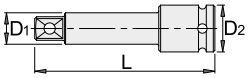


SKU		D	L	L1	
615218	5	25	75	15	85
615219	6	25	75	15	93
615220	8	25	75	25	95
615221	10	25	75	25	114
615222	12	25	75	25	130
615223	14	25	75	25	148
615224	17	25	75	25	183
615225	19	25	75	25	207

231.4/4

Impact extension bar 1/2"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717

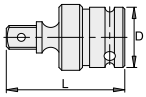


SKU		L	D1	D2	
603978	1/2"	75	16.6	25	148
603977	1/2"	125	16.6	25	230

231.6/4

Impact universal joint 1/2"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717

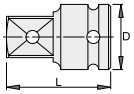


SKU		D	L	
609460	1/2"	32	60	209

231.7/4

Impact adaptor 1/2"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717



SKU		D	L	
603979	1/2" - 3/4"	30	48	169
612120	1/2" - 3/8"	25	38	70

231/4PB2

Set of impact sockets 1/2" in plastic box

› Dimension of box: 244 x 207 x 59

Set includes:
› 9x impact socket 1/2", long type, 6 point (article 231/4L6P) dim. 15, 17, 18, 19, 21, 22, 24, 27, 30
› impact socket accessories 1/2"; 1x extension bar (75 mm), 2x ring with pin

SKU	⟷	
612507	15 - 30	10

231/4PB3

Set of impact sockets 1/2" in plastic box

› Dimension of box: 244 x 207 x 59

Set includes:
› 6x impact socket 1/2", 6 point (article 231/4 6P) dim. 17, 18, 19, 21, 22, 24
› 6x impact socket 1/2", long type, 6 point (article 231/4L6P) dim. 17, 18, 19, 21, 22, 24
› impact socket accessories 1/2"; 2x ring with pin

SKU	⟷	
612508	17 - 24	12

231/4PB4

Set of impact sockets 1/2" with external and internal TX profile in plastic box

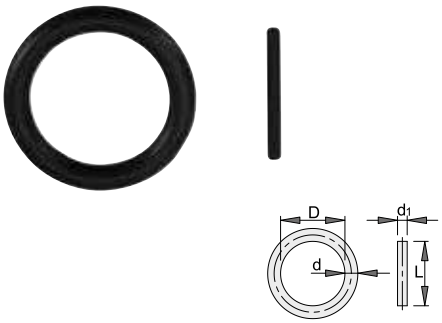
› Dimension of box: 244 x 207 x 44

Set includes:
› 7x impact socket 1/2" with internal TX profile (article 231/4TX) dim. E10, E12, E14, E16, E18, E20, E24
› 6x impact screwdriver socket 1/2" with TX profile (article 231/4ATX) dim. TX30, TX40, TX45, TX50, TX55, TX60

SKU	
615227	13

231.8/4

Impact accessories 1/2"



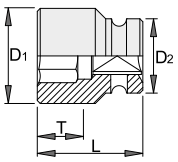
› material of pin: chrome molybdenum
› material of ring: rubber
› surface finish of pin: phosphated to standard DIN

SKU	⟷	D	d	L	d1	
603997	10 - 14	20	4	20	3	8
603998	15 - 32	25	4	25	3	9

232/4 6p

Impact socket 3/4", 6 point

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717
› made according to standard ISO 2725-2 (only metric dimension)
› made according to standard DIN 3129

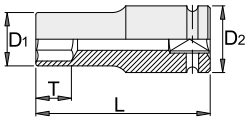


SKU	⬡	D1	D2	L	T	
603980	17	31	44	50	12	374
603981	19	33	44	50	13	387
603982	21	35	44	50	15	381
603983	22	37	44	50	15	400
603984	24	39	44	50	16	401
603985	27	43	44	54	19	410
609403	28	44	44	54	19	403
603986	30	47	44	54	21	438
603987	32	51	44	54	22	481
603988	33	51	44	54	22	497
603989	36	54	44	54	23	535
603990	41	60	44	58	27	634
603991	46	67	44	63	30	813

232/4L6p

Impact socket 3/4", long type, 6 point

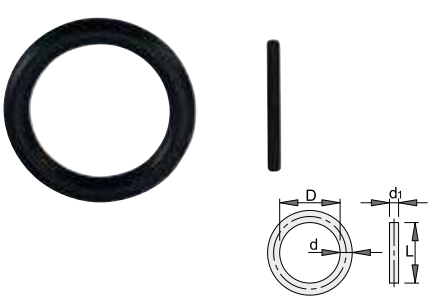
› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717
› made according to standard ISO 2725-2 and DIN 3129



SKU	⬡	D1	D2	L	T	
607934	17	31	44	95	17	587
607935	19	33	44	95	19	580
607936	21	35	44	95	21	589
607937	22	37	44	95	22	643
607938	24	39	44	95	24	656
607939	27	43	44	95	27	731
609404	28	44	44	95	28	708
607940	30	47	44	95	30	802
607941	32	49	44	95	32	821
607942	33	51	44	95	33	906
607943	36	54	44	95	36	944
607944	41	60	44	95	38	1078
607945	46	67	44	95	38	1298

232.8/4

Impact accessories 3/4"



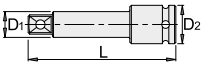
› material of pin: chrome molybdenum
› material of ring: rubber
› surface finish of pin: phosphated to standard DIN

SKU	■	⟷	D	d	L	d1	
603996	3/4"	17 - 46	35	4.5	35	4	11

232.4/4

Impact extension bar 3/4"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717



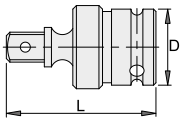
3/4" 3/4"

SKU	■	L	D1	D2	
603993	3/4"	175	25	44	882
603992	3/4"	250	25	44	1245

232.6/4

Impact universal joint 3/4"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717



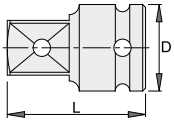
3/4" 3/4"

SKU	■	D	L	
603994	3/4"	44	90	539

232.7/4

Impact adaptor 3/4"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717



1/2" 3/4" 1"

SKU	⟷	D	L	
603995	3/4" - 1/2"	44	56	323
618708	3/4" - 1"	44	63	443

232PB1

Set of long impact socket 3/4" in plastic box

› Dimension of box: 307 x 260 x 70

Set includes:
› 6x impact socket 3/4", long type, 6 point (article 232/4L6P) dim. 24, 27, 30, 32, 33, 36
› impact socket accessories 3/4", 1x ring with pin

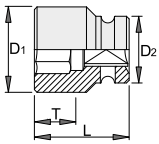
3/4"

SKU	⟷	
621459	24 - 36	7

233/4 6p

Impact socket 1", 6 point

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717
› made according to standard ISO 2725-2 (only metric dimension)



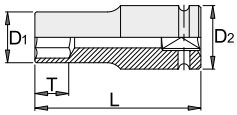
1"

SKU	⬡	D1	D2	L	T	
615195	22	40	54	60	15	677
615196	24	42	54	60	18	679
615197	27	46	54	60	19	694
615198	30	50	54	62	21	726
615199	32	52	54	62	22	704
615200	33	53	54	62	22	703
615201	34	55	54	62	22	688
615202	36	57	54	67	25	785
615203	38	60	54	67	25	844
615204	41	63	54	70	27	933
615205	42	65	54	74	27	1055
615206	46	70	54	76	30	1174
615207	50	75	54	80	35	1367
615208	55	81	54	84	35	1632
615209	60	87	54	87	42	1715
615210	65	93	54	90	42	1962
615211	70	100	54	96	42	2370
615212	75	106	86	98	45	3364
615213	80	112	86	100	48	3656

233/4L6p

Impact socket 1", long type, 6 point

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717
› made according to standard ISO 2725-2 and DIN 3129



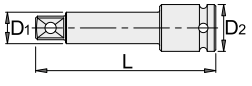
1"

SKU	⬡	D1	D2	L	T	
616771	22	40	54	100	21	879
616772	24	42	54	100	21	921
616773	27	46	54	100	24	1012
616774	30	50	54	100	24	1075
616775	32	52	54	100	24	1090
616776	33	53	54	100	24	1109
616777	34	55	54	100	40	1162
616778	36	56	54	100	65	1207
616779	38	59	54	100	65	1222
616780	41	63	54	100	64	1367
616781	42	64	54	100	64	1380
616782	46	69	54	100	63	1613
616783	50	74	54	100	62	1793
616784	55	80	54	100	60	1976
616785	60	86	54	120	78	2726
616786	65	92	54	125	80	3192
616787	70	99	54	125	80	3595
616788	75	104	86	135	85	4512
616789	80	109	86	135	85	5532

233.4/4

Impact extension bar 1"

› material: premium flex chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717



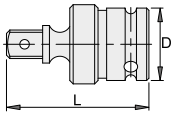
1" 1"

SKU	■	L	D1	D2	
615214	1"	175	33,5	54	1505
615215	1"	250	33,5	54	2019

233.6/4

Impact universal joint 1"

- material: premium flex chrome vanadium steel
- surface finish: phosphated to standard ISO 9717
- drop forged, entirely hardened and tempered



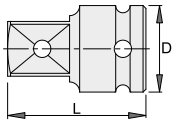
1"

SKU	■	D	L	
615216	1"	54	110	1051

233.7/4

Impact adaptor 1"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



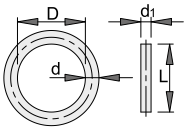
1 1/2" 3/4" 1"

SKU	⟷	D	L	
615217	1" - 3/4"	54	75	661
617303	1" - 1.1/2"	54	90	1107

233.8/4

Impact accessories 1"

- material of pin: chrome molybdenum
- material of ring: rubber
- surface finish of pin: phosphated to standard DIN

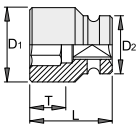


SKU	⟷	D	d	L	d1	
615254	22 - 70	46	3.5	43	5	21
615255	75 - 80	75	5.7	75	6	38

234/4 6p

Impact socket 1.1/2", 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 2725-2 (only metric dimension)



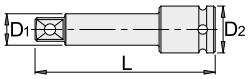
1 1/2"

SKU	⬡	D1	D2	L	T	
616790	80	119	86	115	54	5224
616791	85	125	86	118	52	5688
616793	90	131	86	123	52	6395
616794	95	137	95	123	52	6995
616795	100	144	95	130	59	7995
616796	105	154	95	130	59	8995

234.4/4

Impact extension bar 1.1/2"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



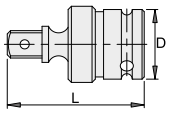
1 1/2"

SKU	■	L	D1	D2	
617709	1.1/2"	250	49	86	5652

234.6/4

Impact universal joint 1.1/2"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



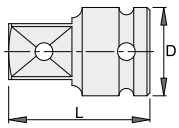
1 1/2"

SKU	■	L	D	
617689	1.1/2"	182	86	4098

234.7/4

Impact adaptor 1.1/2"

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717



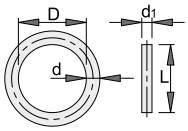
1 1/2"

SKU	⟷	D	L	
616800	1.1/2" - 1"	86	100	2203

234.8/4

Impact accessories 1.1/2"

- material of pin: chrome molybdenum
- material of ring: rubber
- surface finish of pin: phosphated to standard DIN



SKU	⟷	D	d2	L	d1	
617126	80 - 100	75	5.7	75	6	55
617127	105 - 120	85	5.7	84	6	40

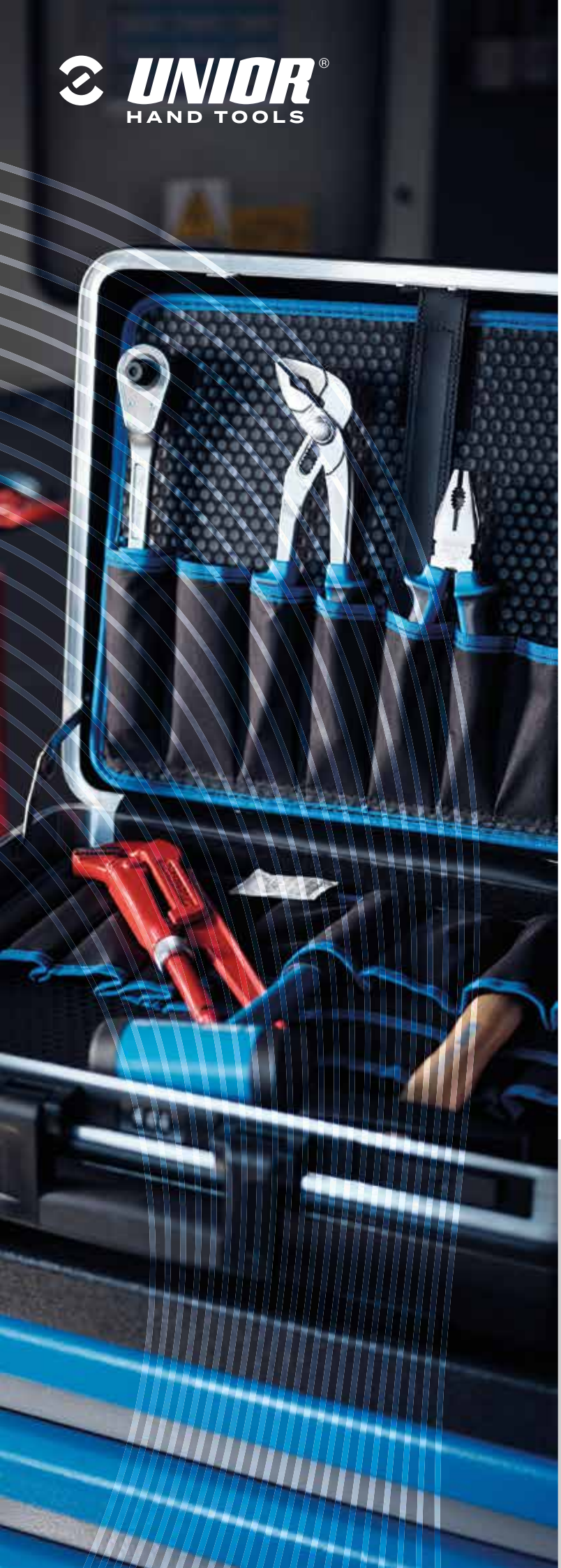
PLIERS

From classical to modern development!

At Unior, we have always remained faithful to traditional forms of pliers, known to many, and for which we know to have a proven design and functionality. At the same time, we are constantly adding new solutions to the problems that arise in modern times. This is precisely the reason why, although on the one hand we hold on to classical forms, on the other hand we extend our development to other areas. All with the aim of a hint of innovation to solve modern problems.

- **DURABILITY –** above the prescribed DIN standards.
- **VARIETY –** because in our product lines we offer pliers for a wide variety of tasks.
- **PRECISE CUT –** because all pliers have precision-made and additionally inductively hardened blades, for precise, high-quality pinching.
- **MULTIPLE LINES –** as the pliers are available in one and two-component sleeves, in plain and insulated designs, and with one and two-component insulation.

GENERAL PLIERS	**86 - 92**
WATERPUMP PLIERS	**93 - 96**
CRIMPING PLIERS	**97 - 100**
LOCK RING PLIES	**101 - 102**
CAPRENTERS AND TOWER PINCERS	**103 - 104**
GRIP PLIERS	**105 - 106**
PLIERS WITH SPECIAL FUNCTION	**107**
PIPE WRENCHES	**108**



Premium Hard +

Premium Hard Plus carbon steel

Effortless cutting

In addition to carbon, manganese, silicon and chrome, this special carbon steel also contains vanadium, which considerably improves the pinching characteristics of the tool by increasing its carbide hardness. Pincers made from this steel prove their excellent efficiency, even when used on the hardest of wires. The high carbon content results in both a higher tensile strength of the material and in increased durability. Improvements made subsequent to the inductive forging process lead to extraordinarily high jaw hardness.

Special carbon steel, in accordance with EU Directive 2000/53/EC and the EN 10058 standards

- 0,80% carbon for higher tensile strength and durability
- 0,70% manganese for higher tensile strength and ductility
- 0.30% silicon for higher elasticity
- 0,25% chrome for higher tensile strength and lower susceptibility to cracking

WANT TO GET IN TOUCH WITH US?

Use the form on the link and ask us a question. Select the appropriate category, then we will make sure that your question gets the appropriate answer as soon as possible. Keep in touch with us and our experts!

A special procedure for the manufacture of pliers

1. Cutting: Cutting material is the first operation in the technological procedure of wrench manufacturing. Optimum design of a cut provides optimal use of material.

2. Forging: Forging technology at Unior ensures excellent strength characteristics of wrenches. Notably, it maintains appropriate fiber orientation in a forged part, leaving it uninterrupted and the same as in a rolled blank. That characteristic of forged parts is vital for achieving the characteristics of products exposed to heavy and dynamic loads.

3. Trimming: Excess material is removed from forged parts using a special-purpose tool that trims products along the dividing shape. Some products are also trimmed when hot, thus preventing major mechanical surface deformation on the cut part and providing a quality basis for undisturbed machining.

4. Joint processing: Using a special-purpose CNC machine, a bore hole is drilled that will serve as the pivot point for pliers. At the same time, the joint is milled and sliding surfaces are made, ensuring precise and undisturbed movement of pliers during use.

5. Broaching

6. Shaping the head part of pliers: Using a special-purpose trimming tool with linear movement, complex surfaces of pliers are shaped. That operation includes the shaping of external radii of the joint and teeth on the jaw used to grip various shapes.

7. Milling the cutting edges: A special-purpose CNC machine is used for making cutting edges, thus giving pliers the relevant functionality. Important elements are the angle of a cutting edge and the thickness of the edge top. Optimum and accurate machining of cutting edges gives pliers the properties required to cut wire.

8. Riveting: Pliers are assembled and riveted together with a rivet. At that stage, it is important to ensure that the joint is firm enough, while still allowing the jaws to move freely, but with no slack.

9. Wet grinding

10. Machining the head part of pliers: At that stage, the surface of pliers is evened to remove any differences in height that might appear as a result of thickness tolerance margins when making a forged part or during further machining, including riveting.

11. Shaping: Using a tape grinding machine, the remaining untreated surfaces are ground to create better quality surfaces than can be achieved in the forging process. The pliers now have their final shape, but the roughness of individual surfaces still needs to be adjusted.

12. Quenching and tempering: The heat treatment of pliers is carried out by annealing pliers in oil and then tempering them. Such type of heat treatment ensures an appropriate microstructure of the material and excellent strength properties of the final product. Quality heat treatment maximises the mechanical properties of the material and gives pliers a long service life.

13. Sanding: At this stage, the product surfaces are struck with abrasive materials to even the roughness of surfaces and remove the oxides that appear during heat treatment. The sanded surfaces are evenly rough and precise, giving products a better appearance. Some surfaces are later even more precisely treated, giving them a contrasting look.

14. Induction hardening: The cutting edges of pliers must be covered with a thin layer of very rigid surface that is able to withstand damage caused by cutting solid wires.

15. Fine grinding: Using tape grinding machines, specific surfaces on the head of pliers are ground to make them smooth, also giving them a visual effect or professional appearance.

16. Chrome plating and polishing: Pliers are galvanised with a thin layer of nickel and chromium to prevent oxidation. That gives the products an aesthetic appearance with a glossy silver surface. Chrome-plated surfaces also make the pliers more resistant to external influence.

17. Laser inscription: Using the modern process of laser inscription, pliers are inscribed with markings used for product identification.

18. Insulation mounting: Pliers are completed with plastic handles providing a good, firm and ergonomic grip.

19. Oiling and control: The sliding surfaces of a joint are properly oiled to ensure unimpeded movement of pliers. In that operation, pliers are properly checked for quality and visual characteristics to ensure that Unior pliers always meet the requirements of the most demanding of users.

402A

Pliers set in carton box

Set includes:
- 1x combination pliers (article 406/1BI) dim. 180
- 1x diagonal cutting nippers (article 461/1BI) dim. 160
- 1x double groove joint pliers (article 445/1BI) dim. 240

SKU	
617818	3

402B

Pliers set in carton box

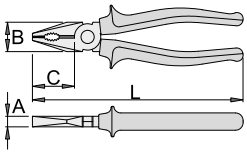
Set includes:
- 1x combination pliers (article 406/4G) dim. 180
- 1x diagonal cutting nippers (article 461/4G) dim. 160
- 1x double groove joint pliers (article 445/4G) dim. 240

SKU	
617933	3

405/4G

Combination pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- made according to standard ISO 5746



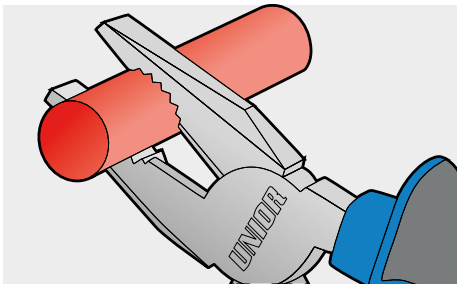
SKU	L	B	C	A	
608668	160	24	35	9.5	224
608669	180	27	38	10	273
608670	200	29	41	10.5	351

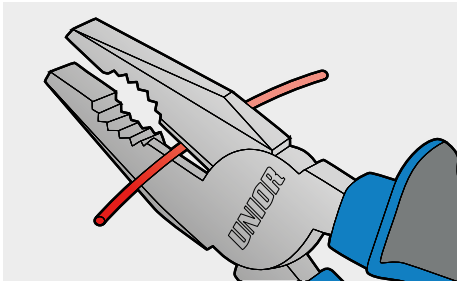
cutting capacity (10N=1kg)

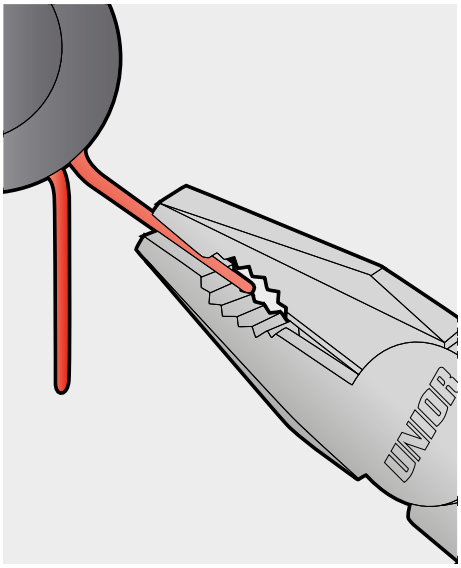
SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
608668	160	1,6	2,0
608669	180	1,8	2,5
608670	200	2,0	2,5

405/1BI

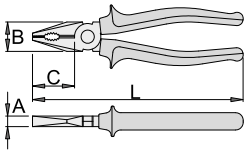
Combination pliers







- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5746



SKU	L	B	C	A	
607867	160	24	35	9.5	224
607868	180	27	38	10	273
607869	200	29	41	10.5	351

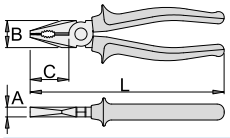
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
607867	160	1,6	2,0
607868	180	1,8	2,5
607869	200	2,0	2,5

406/1BI

Combination pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- jet stamp UNIOR
- made according to standard ISO 5746



SKU	L	B	C	A	
607870	160	24	35	9.5	224
607871	180	27	38	10	274
607872	200	29	41	10.5	341
608354	220	32	47	11	421

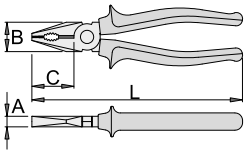
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
607870	160	1,6	2,0
607871	180	1,8	2,5
607872	200	2,0	2,5
608354	220	2,0	3,0

406/4G

Combination pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- made according to standard ISO 5746



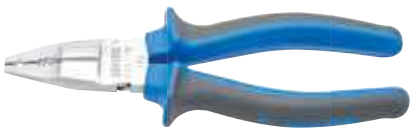
SKU	L	B	C	A	
608673	140	23	32	8	157
608674	160	24	35	9.5	224
608675	180	27	38	10	274
608676	200	29	41	10.5	341
608677	220	32	47	11	421

cutting capacity (10N=1kg)

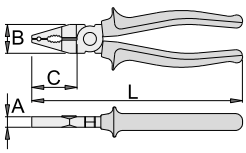
SKU	L	max 1600 N/mm² ø	max 650 N/mm² ø
608673	140	1,6	2,0
608674	160	1,6	2,0
608675	180	1,8	2,5
608676	200	2,0	2,5
608677	220	2,0	3,0

420/1BI

Linemen`s pliers



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles



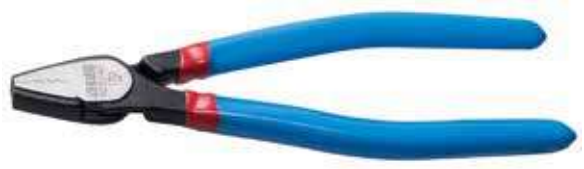
SKU	L	B	C	A	
607873	180	24	45	11	241

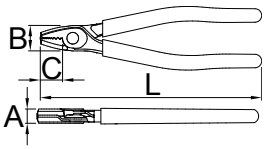
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² ø	max 650 N/mm² ø
607873	180	1,8	2,5

407/4DP

Screw pliers





- Use Screw pliers to loose and unscrew screws that have damaged head profile and cannot be unscrewed with standard tools. Damage on the screw`s profile usually occurs when screws are stuck due to gluing or corrosion and standard tool strips the profile. Pliers have horizontal and also vertical serrated teeth, which grab the screw by the outer diameter of the head. Teeth are strong and very sharp and provide excellent grip on screw`s head, regardless of its profile. Pliers can be used on screw heads with diameter from 3 to 11 mm.
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- double plastic dipped handles

Advantages:
- double serrated jaws, horizontal and vertical
- multipurpose use
- for screws head with diameter from 3 to 11 mm

Φ 3～Φ11mm

SKU	L	B	C	A	
628800	170	19.2	25	11	149

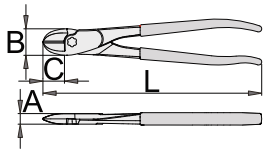
467SHARK/4DP

Powershark cutter

› These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from high carbon steel with induction hardened cutting edges, PowerShark cutter can cut through up to 6mm of soft metal wire, 3,5 mm of hard steel, and 3 mm of tempered piano wire or steel springs. In addition to wire, the Powershark cutters will quickly and cleanly cut through 4mm diameter nails, screws and rivets.
› drop forged from Premium Hard Plus carbon steel
› double-dipped plastic non-slip handles provide good ergonomic hand grip

Advantages:
› fully hardened to ~47HRc, with cutting edges induction hardened to ~64HRc
› finished with an anti-corrosive black coating and lightly oiled
› central cutting edges leave a bevelled finish on both sides of the cut

Usage:
› for precise cutting of soft (up to 6 mm), hard (up to 3,5 mm) and piano wires (up to 3 mm)
› easily cuts parts such as screws, nails, rivets, etc. up to 4 mm thickness



SKU	L	B	A	C	
626490	250	30	12	24	389

cutting capacity (10N=1kg)

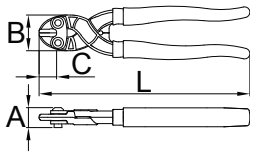
SKU	L	max 2150 N/mm² Ø i	max 1600 N/mm² Ø i	max 650 N/mm² Ø i
626490	250	3	3,5	6

469SHARK/4ADP

BOLTSHARK cutter

› These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from Premium Hard Plus carbon steel with induction hardened cutting edges, BoltShark cutter can cut through up to 6mm of soft metal wire, 4mm of hard steel, and 3.6mm of tempered piano wire or steel spring. In addition to wire, the Boltshark cutters will quickly and cleanly cut through 5mm diameter nails, screws and rivets. The included groove holds thicker wire in position, preventing it from rolling along the cutting edge as the jaws are tightened.
› drop forged from Premium Hard Plus carbon steel
› fully hardened to ~47HRc, with cutting edges induction hardened to ~64HRc
› finished with an anti-corrosive black coating and lightly oiled
› double-dipped plastic non-slip handles provide good ergonomic hand grip

Advantages:
› Engineered with a two-rivet joint, which uses a compound action to give increased cutting force with less effort.
› The strongest force needs to be applied at the start of the cut, when the handles are furthest apart. BoltShark cutters are designed with the handles tighter together allowing the maximum force to be applied from the very start of the cut.
› Central cutting edges leave a bevelled finish on both sides of the cut.
› for precise cutting of soft (up to 6 mm), hard (up to 3,5 mm) and piano wires (up to 3 mm)
› easily cuts parts such as screws, nails, rivets, etc. up to 4 mm thickness



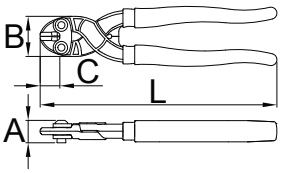
SKU	L	B	A	C	
627533	200	34,8	19,5	16,5	354

cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm² Ø i	max 1600 N/mm² Ø i	max 650 N/mm² Ø i
627533	200	3	3,5	6

469SHARK/4DP

BOLTSHARK cutter with groove



- These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from Premium Hard Plus carbon steel with induction hardened cutting edges, BoltShark cutter can cut through up to 6mm of soft metal wire, 4mm of hard steel, and 3.6mm of tempered piano wire or steel spring. In addition to wire, the Boltshark cutters will quickly and cleanly cut through 5mm diameter nails, screws and rivets. The included groove holds thicker wire in position, preventing it from rolling along the cutting edge as the jaws are tightened.
- drop forged from Premium Hard Plus carbon steel
- fully hardened to ~47HRc, with cutting edges induction hardened to ~64HRc
- finished with an anti-corrosive black coating and lightly oiled
- double-dipped plastic non-slip handles provide good ergonomic hand grip

Advantages:

- Engineered with a two-rivet joint, which uses a compound action to give increased cutting force with less effort.
- The strongest force needs to be applied at the start of the cut, when the handles are furthest apart. BoltShark cutters are designed with the handles tighter together allowing the maximum force to be applied from the very start of the cut.
- When cutting thicker diameter wire (over 2.5mm), there is a tendency for the wire to be pushed along the cutting edges as the jaws are tightened. The addition of a groove on the cutting edge holds the material safely in place, preventing this movement and allowing efficient, one-handed operation.
- Tests show that using grooved BoltShark cutters to cut 2mm piano wire requires only 33% of the force needed by traditional strong cutters.
- Central cutting edges leave a bevelled finish on both sides of the cut.
- The included groove holds thicker wire in position.

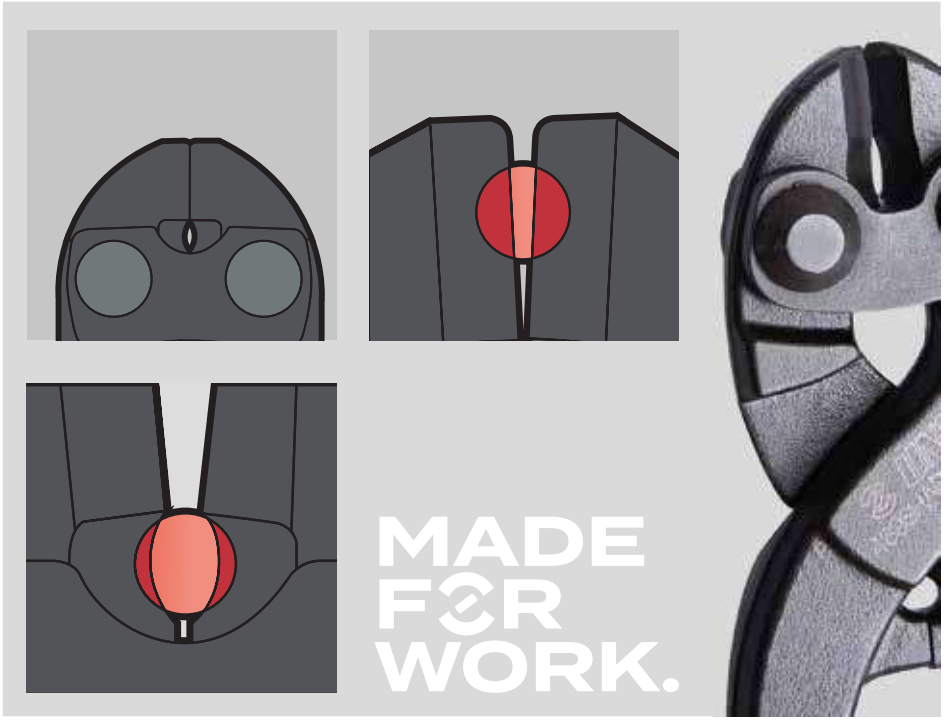
Usage:

- For precise cutting of soft (up to 6 mm), hard (up to 4 mm) and piano wires (up to 3,6 mm).
- Easily cuts parts such as screws, nails, rivets, etc. up to 5 mm thickness.

SKU	L	B	A	C	
626500	200	34,8	19,5	16,5	347

cutting capacity (10N=1kg)

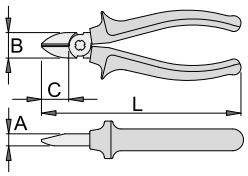
SKU	L	max 2150 N/mm² Ø i	max 1600 N/mm² Ø i	max 650 N/mm² Ø i
626500	200	3,6	4,0	6



461/1BI

Diagonal cutting nippers

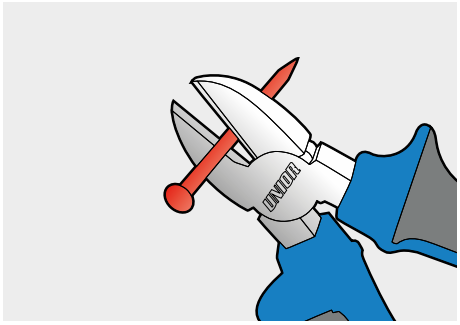
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749

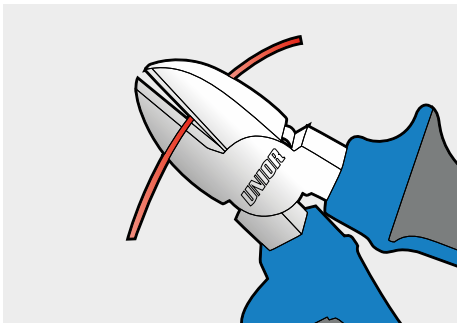


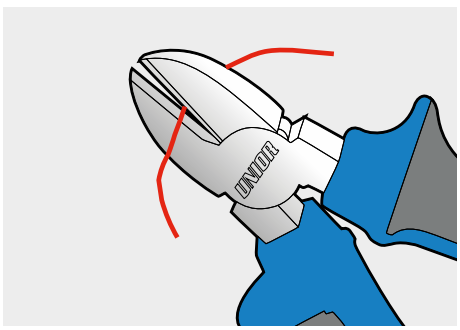
SKU	L	B	A	C	
607883	140	19	9.5	18	169
607884	160	22.5	10	22	214

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø i	max 650 N/mm² Ø i
607883	140	1,6	2,0
607884	160	1,6	2,5



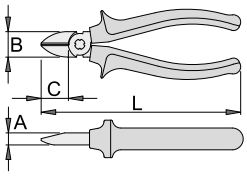




461/4G

Diagonal cutting nippers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- made according to standard ISO 5749



SKU	L	B	A	C	
608697	140	19	9.5	18	169
608698	160	22.5	10	22	214

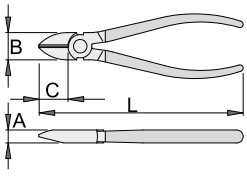
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø i	max 650 N/mm² Ø i
608697	140	1,6	2,0
608698	160	1,6	2,5

461/4P

Diagonal cutting nippers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped
- made according to standard ISO 5749



SKU	L	B	A	C	
612327	125	19	9.5	18	115

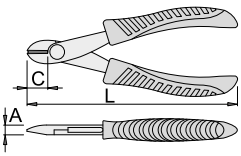
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø i	max 650 N/mm² Ø i
612327	125	1,6	2,0

461/4E

Electronic side cutter

- material: premium flex plus carbon steel
- drop forged, entirely hardened and tempered
- heavy duty double - component handles



SKU	L	B	A	C	
620072	115	13	8.2	13.5	95

cutting capacity (10N=1kg)

SKU	L	max 750 N/mm² Ø i
620072	115	1,5

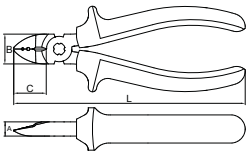
462/1BI

Multifunctional diagonal cutting nippers

- material: premium plus carbon steel
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles

Advantages:

- Stripping off insulation of single conductors 1,5 mm2 and 2,5mm²



SKU	L	B	A	C	
624059	160	21	10	22	211

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø i	max 650 N/mm² Ø i
624059	160	1,6	2,5

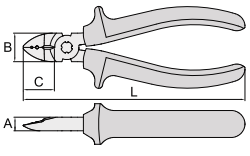
462/4G

Multifunctional diagonal cutting nippers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles

Advantages:

- Stripping off insulation of single conductors 1,5 mm2 and 2,5mm²



SKU	L	B	A	C	
624062	160	21	10	22	205

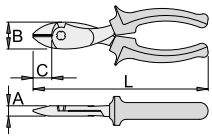
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø i	max 650 N/mm² Ø i
624062	160	1,6	2,5

466/1BI

Heavy duty diagonal cutting nippers

- material: premium flex plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749



SKU	L	B	A	C	
617686	160	23.5	10	20.5	214
608850	180	28	11	20	313
608837	200	27	11	21	344

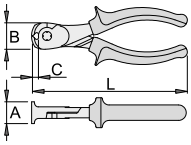
cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm² Øi	max 650 N/mm² Øi
617686	160	1,6	2,5
608850	180	1,8	3,0
608837	200	2,0	3,5

455/1BI

End cutting nippers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5748



SKU	L	B	A	C	
609192	160	27	22	7	254

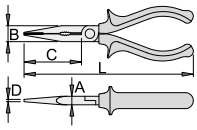
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
609192	160	1,6	2,5

506/1BI

Long nose pliers with side cutter

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



SKU	L	B	D	A	C	
607874	140	15	2	8	39	115
607875	160	16	2.5	9	49	137

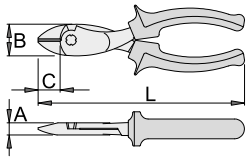
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
607874	140	1,6	2,0
607875	160	1,6	2,0

466/4G

Heavy duty diagonal cutting nippers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- made according to standard ISO 5749



SKU	L	B	A	C	
617687	160	23.5	10	20.5	214
608700	180	28	11	20	313
609190	200	27	11	21	344

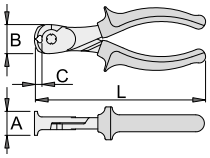
cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm² Øi	max 650 N/mm² Øi
617687	160	1,6	2,5
608700	180	1,8	3,0
609190	200	2,0	3,5

455/4G

End cutting nippers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- made according to standard ISO 5748



SKU	L	B	A	C	
608694	160	27	22	7	254

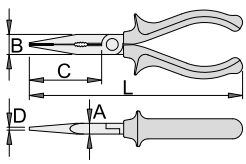
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
608694	160	1,6	2,5

506/4G

Long nose pliers with side cutter

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



SKU	L	B	D	A	C	
608712	140	15	2	8	39	115
608713	160	16	2.5	9	49	137

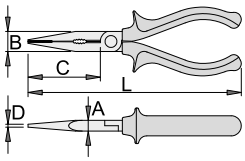
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
608712	140	1,6	2,0
608713	160	1,6	2,0

508/1BI

Long nose pliers with side cutter and pipe grip, straight

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



SKU	L	B	D	A	C	
607876	170	17	2.5	9	61	156
607877	200	17	2.5	9	77	191

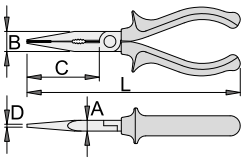
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
607876	170	1,6	2,0
607877	200	1,8	2,5

508/4G

Long nose pliers with side cutter and pipe grip, straight

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



SKU	L	B	D	A	C	
608710	170	17	2.5	9	61	156
608711	200	17	2.5	9	77	191

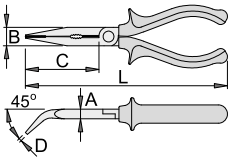
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
608710	170	1,6	2,0
608711	200	1,8	2,5

512/1BI

Long nose pliers with side cutter and pipe grip, bent

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- gripping surface serrated
- jaws bent to an angle of 45°
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip
- made according to standard ISO 5745



SKU	L	B	D	A	C	
607966	170	17	2.5	9	61	152
607967	200	17	2.5	9	77	204

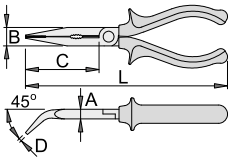
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
607966	170	1,6	2,0
607967	200	1,8	2,5

512/4G

Long nose pliers with side cutter and pipe grip, bent

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- gripping surface serrated
- jaws bent to an angle of 45°
- heavy duty plastic handles
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip



SKU	L	B	D	A	C	
608720	170	17	2.5	9	61	152
608721	200	17	2.5	9	77	204

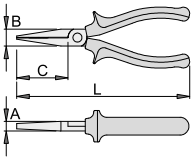
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
608720	170	1,6	2,0
608721	200	1,8	2,5

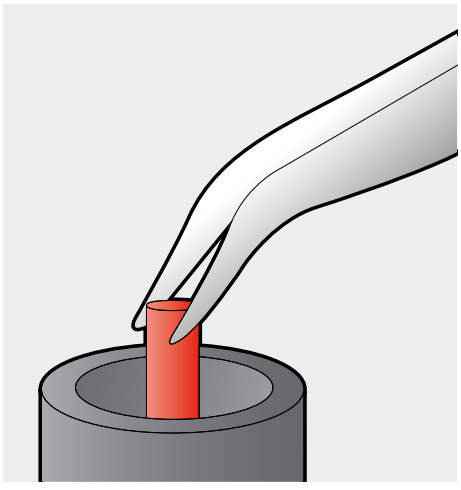
472/1BI

Long flat nose pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745



SKU	L	B	C	A	
607878	140	15	39	8	120
607879	160	16	49	9	146

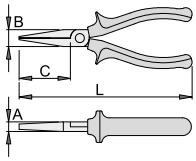


MADE FOR WORK.

472/4G

Long flat nose pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head surface finish: fine grinding
- surface finish: phosphated to standard ISO 9717
- gripping surface serrated
- heavy duty plastic handles
- made according to standard ISO 5745

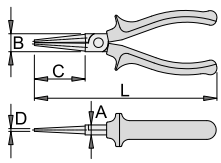


SKU	L	B	C	A	
608704	140	15	39	8	120
608705	160	16	49	9	146

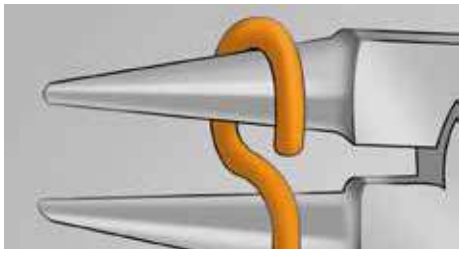
476/1BI

Long round nose pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- minor possibility of damaging wires
- long points enable reaching of wires in hard-to-reach places
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745



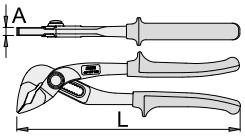
SKU	L	B	A	C	D	
607880	140	15	9	39	2	116
607881	160	16	10	49	2.5	126



447/1HPP

Waterpump pliers

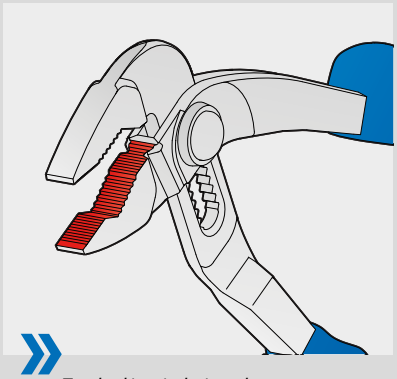
- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles



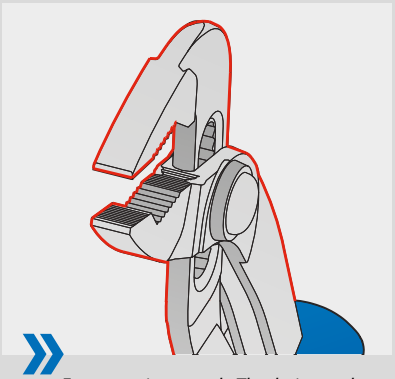
Advantages:

- Toothed jaw is designed to ensure optimum grip of an object.
- Jaw aperture adjustable in 10 positions.
- The HPP pliers have a button for fast regulation of the jaw's gap which enables fast and precise adaptation of the jaw to the wanted grip of the work piece.
- Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, work safety, and greater effectiveness.
- Finish: pliers are drop forged from high quality tool steels and heat treated
- Work: due to the slim construction, the jaws enable one-handed work in difficult-to-reach places
- Made of double-component material which reduces slipping of the hand during work and so enable safe and effective transmission of power from the hand to the pliers' jaws
- Ergonomics: handles are designed to fully adjust to the user`s hand and so enable greater handling and work safety

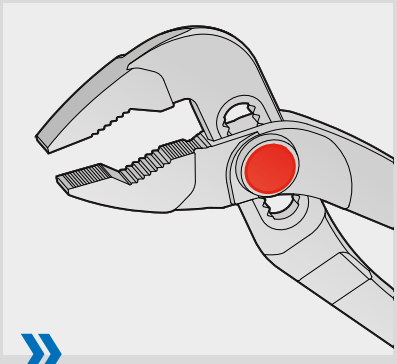
SKU	L	A	Omax	
620172	240	8.5	40	392



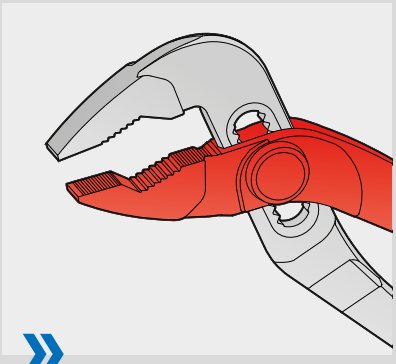
Toothed jaw is designed to ensure optimum grip of an object.



Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, work safety, and greater effectiveness.



The HPP pliers have a button for fast regulation of the jaw's gap which enables fast and precise adaptation of the jaw to the wanted grip of the work piece.



Jaw aperture adjustable in 10 positions.

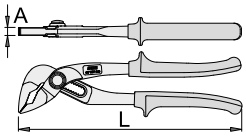
447/4PHPP

Waterpump pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- head surface finish: finely ground
- handles plastic dipped

Advantages:

- toothed jaw is designed to ensure optimum grip of an object
- jaw aperture adjustable in 10 positions
- The HPP pliers have a button for fast regulation of the jaw's gap which enables fast and precise adaptation of the jaw to the size of the work piece.
- Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, safety, and greater effectiveness.
- Finish: pliers are drop forged from high quality tool steels and heat treated
- Work: due to the slim construction, the jaws enable one-handed work in difficult-to-reach places
- Ergonomics: handles are designed to fully adjust to the user`s hand and so enable greater handling and work safety



SKU	L	A	O max	
620421	240	8.5	40	353

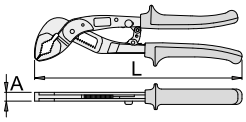
449.1

Plastic jaw for 449/1PYTHON

SKU			
615033	240	2	10

442/1HYPO

Variable joint "HYPO" pliers

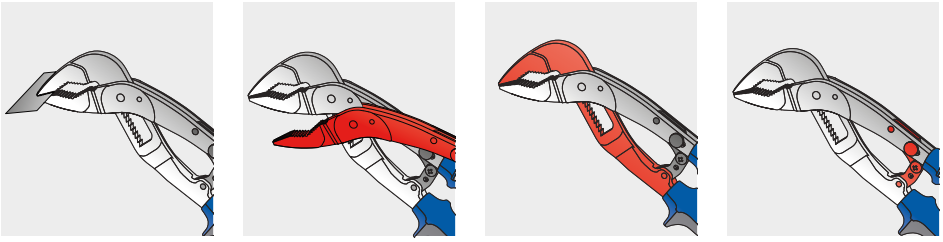


- material: premium chrome vanadium steel
- working surfaces induction hardened
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- drop forged, entirely hardened and tempered

Advantages:

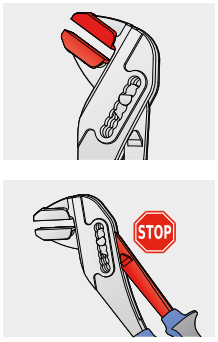
- The Hypo pliers are self-adjusting for which it is not necessary to preset the width of the jaws.
- one hand self-adjusting operation
- The pliers adapt perfectly to the work piece.
- maximum jaw aperture up to Ø40 mm.
- The locking mechanism enables easier storage when the pliers are not in use.

SKU	L	A	O max	
616727	180	9.5	33	201
611780	240	9	40	397



449/1PYTHON

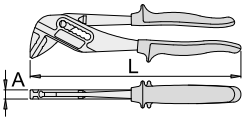
Waterpump box joint pliers



- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles

Advantages:

- jaw aperture adjustable in 7 positions
- jaws are always parallel to protect the nut from being damaged
- 449.1 additional plastic jaws for work on chromed and polished nuts



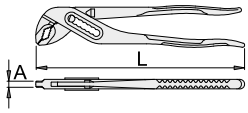
SKU	L	A	O max	
615032	240	11	42	420

447/6

Waterpump box joint pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- surface finish: red lacquered
- made according to standard ISO 8976

Advantages:
- jaw aperture adjustable in 7 positions
- A special bulge prevents fingers to be pressed between the handles of the pliers.



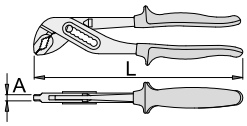
SKU	L	A	Omax	
607348	175	6.5	26.5	154
603160	240	7.5	35	312
605006	300	8.5	42	464

447/1BI

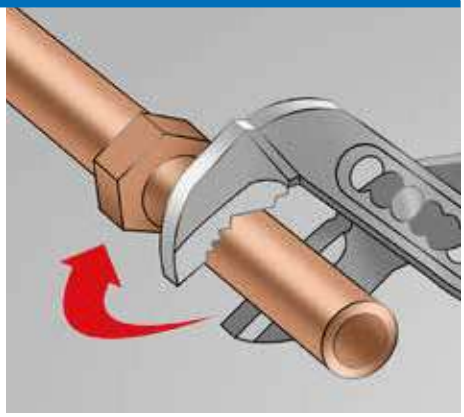
Waterpump box joint pliers

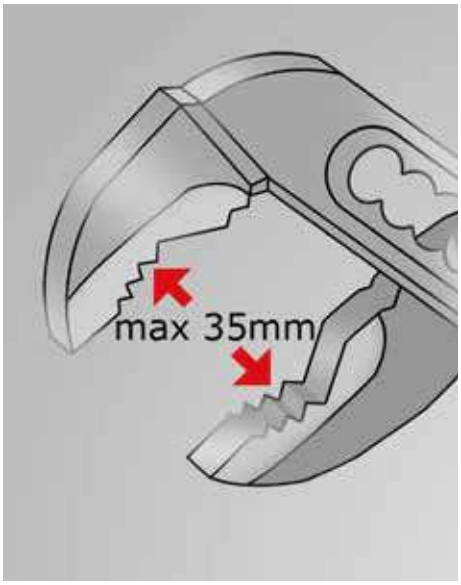
- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 8976

Advantages:
- A special bulge prevents fingers to be pressed between the handles of the pliers.
- jaw aperture adjustable in 7 positions



SKU	L	A	Omax	
610984	240	6.5	35	367



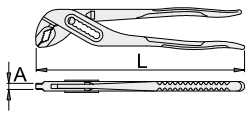


447/1

Waterpump box joint pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 8976

Advantages:
- A special bulge prevents fingers to be pressed between the handles of the pliers.
- jaw aperture adjustable in 7 positions



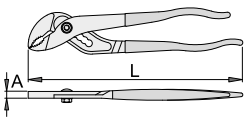
SKU	L	A	Omax	
605237	240	6.5	35	307

441/4P

Slip joint waterpump pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped
- made according to standard ISO 8976

Advantages:
- jaw aperture adjustable in 5 positions
- slip joint



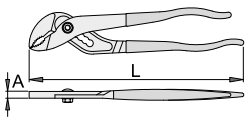
SKU	L	A	Omax	
608686	240	7.5	35	297

441/7PR

Waterpump pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- handles ergonomically shaped
- handles plastic dipped
- made according to standard ISO 8976

Advantages:
- jaw aperture adjustable in 6 positions
- slip joint



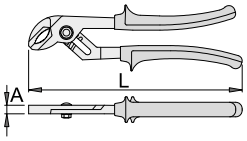
SKU	L	A	Omax	
601464	240	8	35	337

445/1BI

Double groove joint pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 8976

Advantages:
- jaw aperture adjustable in 5 positions for dim. 180, for dim. 240 and 300 in 6 positions
- grooved joint



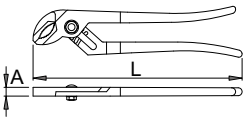
SKU	L	A	O max	
607885	180	9.9	25	197
620557	240	10.8	35	417
607887	300	12.2	40	657

445/1P

Double groove joint pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- handles plastic dipped
- made according to standard ISO 8976

Advantages:
- jaw aperture adjustable in 11 positions
- grooved joint



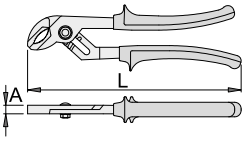
SKU	L	A	O max	
608213	410	15	105	1290

445/4G

Double groove joint pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles
- made according to standard ISO 8976

Advantages:
- jaw aperture adjustable in 5 positions for dim. 180, for dim. 240 and 300 in 6 positions
- grooved joint



SKU	L	A	O max	
608690	180	9.9	25	197
620558	240	10.8	35	417
608692	300	12.2	40	657

514/1BI

Pliers can be used for crimping insulated spade terminals.

Stripping off insulations from Ø2.2 mm to Ø3.0 mm.

Stripping off insulations from Ø3.5 mm to Ø4.0 mm.

Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.

Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.

Crimping cable terminals up to Ø4.0 mm.

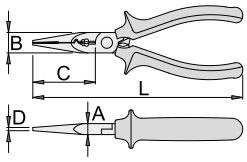
514/1BI

Multifunctional electrician`s pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles

Advantages:
- 7 different functions
- multi-toothed jaw
- ergonomically shaped handle
- extra strong grip
- Extra strong grip - the design and shape of the handles give the hand more leverage during use, enabling more stability and safer transmission of force.
- high durability
- Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.

Usage:
- The ground part of the jaw is intended for gripping objects with sensitive surfaces.
- The pliers can be used for crimping insulated spade terminals.
- Stripping off insulations from Ø 2.2 mm to Ø 3.0 mm.
- Stripping off insulations from Ø 3.5 mm to Ø 4.0 mm.
- Cutting wires from Ø 2.2 mm to Ø 4.0 mm.
- Crimping cable terminals up to Ø 4.0 mm.



SKU	L	B	D	A	C	
612782	160	16	2.5	9	49	141

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
612782	160	1,6	2,0

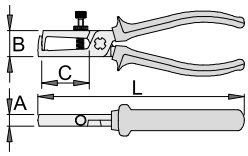
MADE FOR WORK.

478/1BI

Wire stripping pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles

Advantages:
- spring for reopening
- stripping capacity: up to max 0.6 - 10mm²



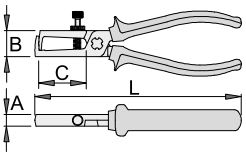
SKU	L		B	A	C	
607882	160	0.6 - 10	18	9	40	178

478/4G

Wire stripping pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles

Advantages:
- spring for reopening
- stripping capacity: up to max 0.6 - 10mm²



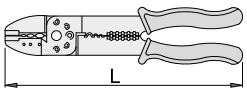
SKU	L		B	A	C	
608701	160	0.6 - 10	18	9	40	178

425/4A

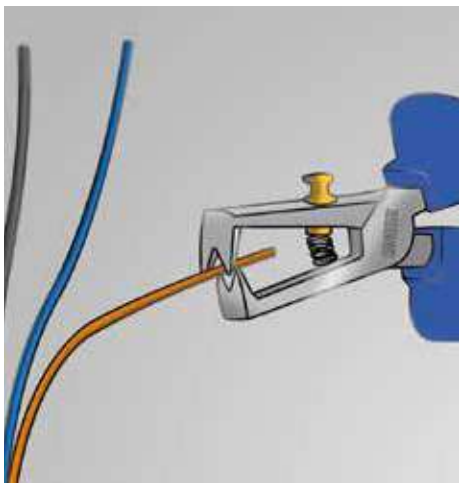
Crimping pliers

- material: premium plus carbon steel
- entirely hardened and tempered
- surface finish: phosphated to standard ISO 9717
- heavy duty plastic handles

Usage:
- for insulated and closed non-insulated terminals (1,5-6mm²), for cutting cables, screws and stripping insulation



SKU		L	
601136	1.5 - 6	240	320

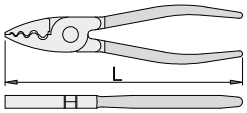


424/4P

Crimping pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped

Usage:
- for non-insulated terminals (dim. 140 from 0,5-2,5mm², dim. 180 0,25-16mm²)
- for crimping non-insulated cord end terminals



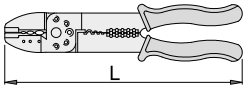
SKU		L	
607949	0.5 - 2.5	140	144
607950	0.25 - 16	180	258

425/4AB

Crimping pliers

› material: premium plus carbon steel
› entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717
› heavy duty plastic handles

Usage:
› for non-insulated standard and closed terminals (1,5-6mm²), for cutting cables, screws and stripping insulation



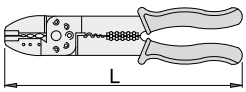
SKU		L	
605806	1.5 - 6	240	320

425/4B

Crimping pliers

› material: premium plus carbon steel
› entirely hardened and tempered
› surface finish: phosphated to standard DIN 12476
› heavy duty plastic handles

Usage:
› for insulated and non-insulated open terminals (1,5-6mm²), for cutting cables, screws and stripping insulation



SKU		L	
601137	1.5 - 6	240	320

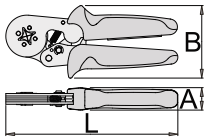
427/4AG

Crimp grip pliers

› material: premium chrome vanadium steel
› surface finish: phosphated to standard ISO 9717
› heavy duty double - component handles

Advantages:
› strong metal crimping profile with electrical plating
› reinforced connecting spring for longer usage life
› square crimping performs a better contact than traditional crimping profile

Usage:
› for cord end sleeves 0,08 - 10mm²/AWG28 - 7



SKU	L	B	A	
621550	180	76	20	433

Automatic self-adjustment to requested wire size.

Square crimp.

High-precision die geometry leads to a clearly defined crimp shape of the ferrule.

427/4CG

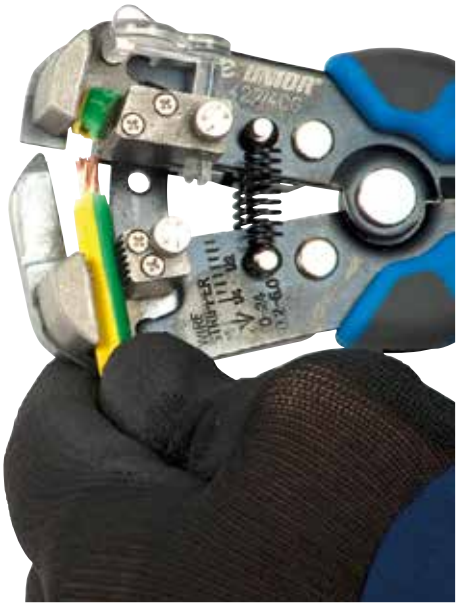
Crimp grip pliers

› material: premium plus carbon steel
› surface finish: phosphated to standard ISO 9717
› heavy duty double - component handles

Advantages:
› special designed clamping jaws hold the wire securely during the stripping process

Usage:
› swivel knob micro-adjusts for thinner wire to 30AWG (0.05mm²) or thicker wire to 8AWG (8mm²)
› crimp non-insulated terminals 10-22AWG (1.5 to 6.0mm²)
› crimp insulated terminals 10-22AWG (1.5 to 6.0mm²)

SKU	
621552	378



427/4DG

Modular crimping pliers

- material: premium plus carbon steel
- surface finish: phosphated to standard ISO 9717
- heavy duty double - component handles

Advantages:
- exact crimping process due to parallel crimping

Usage:
- for crimping 6- and 8-pole Western plugs type RJ 11/12 (9.65 mm width) and type RJ 45 (11.68 mm width)
- tool for cutting and stripping unshielded ribbon telephone cables
- with additional stripping device for round cables
- with length cutter and dismantling knife for ribbon cables 6 and 12 mm width

SKU	
621553	401

427/2FG

Crimp grip pliers

- material: premium plus carbon steel
- jaws hardened to 38-40HRC
- very easy to handle

Advantages:
- hexagon crimping
- the respective cross-section is set by rotating profile disks
- Dented 6-position rotating dies 6, 10, 16, 25, 35, 50mm²
- lever transmission permits light force transfer

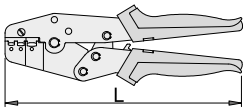
SKU		
621555	6 - 50	1350

428/4

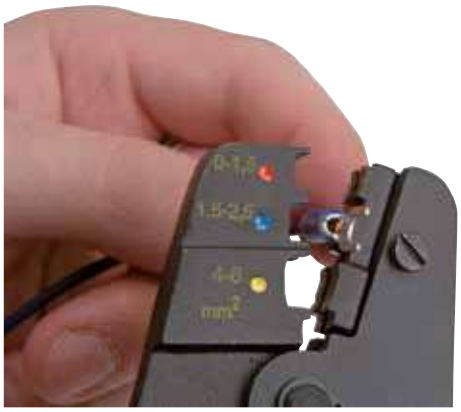
Crimp lever pliers

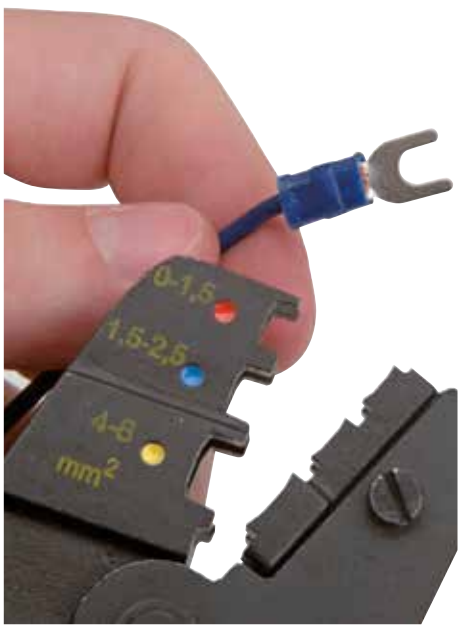
- material: premium sheet metal
- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- toggle joint ensures high compression pressure with little effort
- heavy duty plastic handles
- re-changeable head-spare part
- surface finish: phosphated to standard ISO 9717

Usage:
- for insulated terminals (0,5-6mm²)



SKU		L	
602327	0.5 - 6	226	575





428/4AGPB

Set of grip crimp pliers with exchangeable jaws in plastic box

› material: premium plus carbon steel
› surface finish: phosphated to standard ISO 9717
› heavy duty double - component handles
› Dimension of box: 307 x 260 x 55

Advantages:
› ratchet crimp system ensures reliable work
› quick changing system for 4 different types of jaws

Usage:
› for insulated terminals AWG10-12/14-16/18-22 (4-6/1.5-2.5/0.5-1.0mm²)
› for non-insulated terminals AWG14-6 (0.2-16mm²)
› for cord end terminals AWG22-6 (0.5-16mm²)
› for BNC/TNC coax connectors RG-58, RG-59/62. Hex connectors 0.255 (6.48mm²), 0.213 (5.41mm²), 0.068 (1.73mm²)

SKU	
621557	1315

380

Wire stripper

› material: polyamide

Advantages:
› adjustable length stop of 5-12 mm
› easily accessible built - in side cutter for max. 2mm

Usage:
› fully insulated automatic wire stripper for all common standard and solid conductors of 0, 2-6mm²

SKU		
610925	0.2 - 6	117

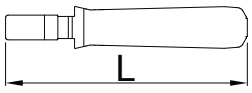
385G

Cable stripper with straight knife

› material: polyamide

Advantages:
› no damage of the inner conductors can occur due to infinitely variable adjustment of the cutting depth
› the swivel blade automatically turns from circular to longitudinal cut

Usage:
› accurate, fast and safe stripping of all common round cables of 4-28 mm²



SKU		L	
610931	4 - 28	170	92

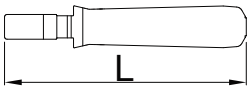
385H

Cable stripper with hook knife

› material: polyamide

Advantages:
› no damage of the inner conductors can occur due to infinitely variable adjustment of the cutting depth
› the swivel blade automatically turns from circular to longitudinal cut

Usage:
› accurate, fast and safe stripping of all common round cables of 4-28 mm²

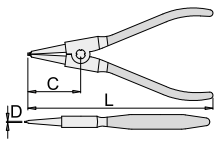


SKU		L	
610930	4 - 28	170	91

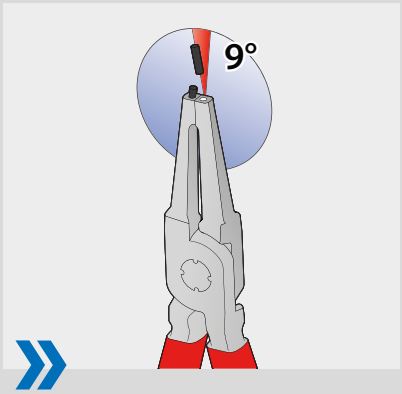
532/1P

External lock rings pliers, straight

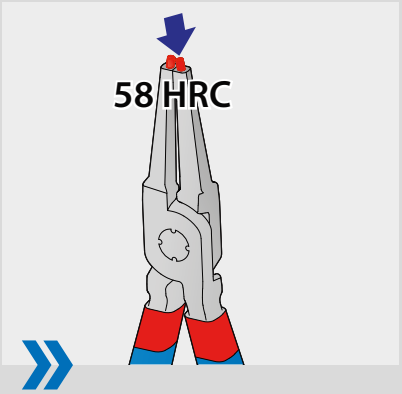
› material: premium plus carbon steel
› drop forged, entirely hardened and tempered
› head polished
› surface finish: chrome plated to standard ISO 1456:2009
› tips black finish
› handles plastic dipped
› made according to standard DIN 5254 form A



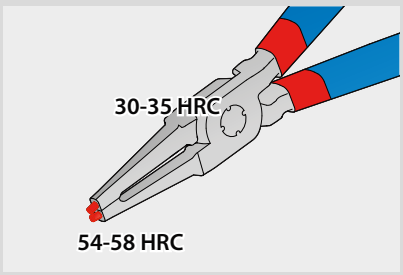
SKU	L		D	C	
616734	300	85 - 140	3.2	86	502



The tips are inserted into the jaw at an angle that prevents the circlip from sliding off the tips.



Tips hardened to 58 HRc prevent bending or breaking during the removal or insertion of circlips.

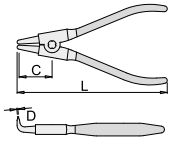


EUROPEAN QUALITY
eqtm®

534/1P

External lock rings pliers, bent

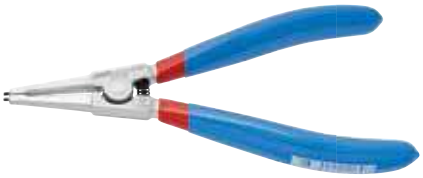
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- tips black finish
- handles plastic dipped
- made according to standard DIN 5254 form B



SKU	L	Ω	L	D	C	g
616737	300	85 - 140	280	3.2	68	502

532PLUS/1DP

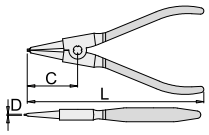
External lock rings pliers, straight



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- tips black finish
- double plastic dipped handles
- made according to standard DIN 5254 form A

Advantages:
- 30% higher endurance in comparison to convenient lock rings pliers
- with inserted tips
- for diameter 3 to 100mm

Usage:
- for fitting circlips on shafts



SKU	L	Ω	D	C	g
621187	140	3 - 10	0.9	40	127
621188	140	10 - 25	1.3	40	131
621189	180	19 - 60	1.8	52	209
621190	220	40 - 100	2.2	63	276

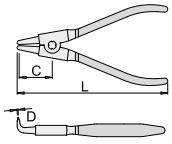
534PLUS/1DP

External lock rings pliers, bent

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- tips black finish
- made according to standard DIN 5254 form B
- double plastic dipped handles

Advantages:
- 30% higher endurance in comparison to convenient lock rings pliers
- with inserted tips
- for diameter 3 to 100mm

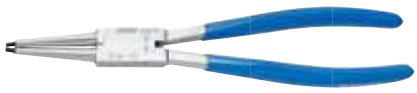
Usage:
- for fitting circlips on shafts



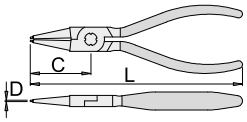
SKU	L	Ω	L	D	C	g
621195	140	3 - 10	128	0.9	28	134
621196	140	10 - 25	128	1.3	28	124
621197	180	19 - 60	166	1.8	38	204
621198	220	40 - 100	201	2.3	48	274

536/1P

Internal lock rings pliers, straight



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- tips black finish
- made according to standard DIN 5256 form C
- handles plastic dipped

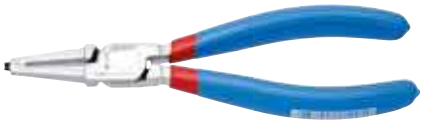


SKU	L	Ω	D	C	g
616740	300	85 - 140	3.2	86	491

MADE FOR WORK.

536PLUS/1DP

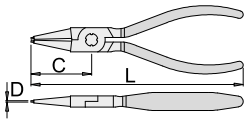
Internal lock rings pliers, straight



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- tips black finish
- double plastic dipped handles
- made according to standard DIN 5256 form C

Advantages:
- 30% higher endurance in comparison to convenient lock rings pliers
- with inserted tips
- for diameter 8 to 100mm

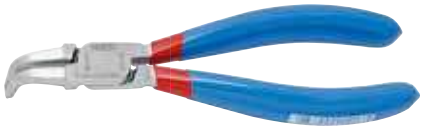
Usage:
- for fitting circlips on bore holes



SKU	L		D	C	
621203	140	8 - 13	0.9	40	111
621204	140	12 - 25	1.3	40	115
621205	180	19 - 60	1.8	52	192
621206	220	40 - 100	2.2	63	251

538PLUS/1DP

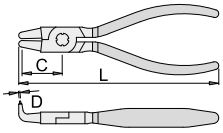
Internal lock rings pliers, bent



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- tips black finish
- double plastic dipped handles
- made according to standard DIN 5256 form D

Advantages:
- 30% higher endurance in comparison to convenient lock rings pliers
- for diameter 8 to 100mm
- with inserted tips

Usage:
- for fitting circlips on bore holes

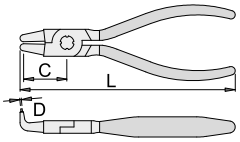


SKU			L	D	C	
621211	140	8 - 13	128	0.9	28	114
621212	140	12 - 25	128	1.3	28	114
621213	180	19 - 60	166	1.8	38	194
621214	220	40 - 100	202	2.3	48	244

538/1P

Internal lock rings pliers, bent

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- tips black finish
- made according to standard DIN 5256 form D
- handles plastic dipped



SKU			L	D	C	
616734	300	85 - 140	295	3.2	68	501

539/1PCT

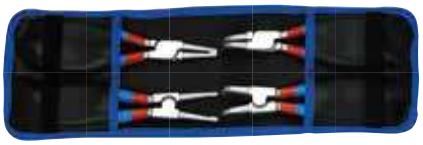
Lock rings pliers set in bag

Set includes:
- 2x external lock rings pliers, straight and bent, dim. 300
- 2x internal lock rings pliers, straight and bent, dim. 300

SKU		
616736	85 - 140/300	4

539PLUS/1DPCT

Set of lock rings pliers PLUS in bag

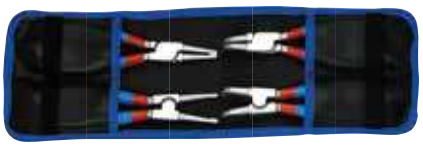


Set includes:
- 2x external lock rings pliers, straight and bent, dim. 140 (3 - 10mm)
- 2x internal lock rings pliers, straight and bent, dim. 140 (8 - 13mm)

SKU		
621623	3 - 13/140	4

539PLUS/1DPCT

Set of lock rings pliers PLUS in bag

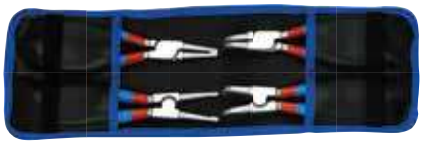


Set includes:
- 2x external lock rings pliers, straight and bent, dim. 140 (10 - 25mm)
- 2x internal lock rings pliers, straight and bent, dim. 140 (12 - 25mm)

SKU		
621624	10 - 25/140	4

539PLUS/1DPCT

Set of lock rings pliers PLUS in bag

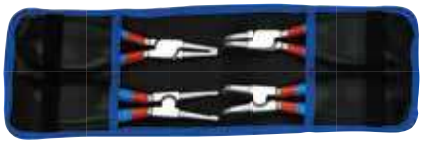


Set includes:
- 2x external lock rings pliers, straight and bent, dim. 180
- 2x internal lock rings pliers, straight and bent, dim. 180

SKU	⟷	✋
621625	19 – 60/180	4

539PLUS/1DPCT

Set of lock rings pliers PLUS in bag



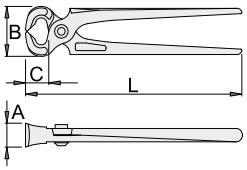
Set includes:
- 2x external lock rings pliers, straight and bent, dim. 220
- 2x internal lock rings pliers, straight and bent, dim. 220

SKU	⟷	✋
621626	40 – 100/220	4

530/4

Carpenters` pincers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 9243

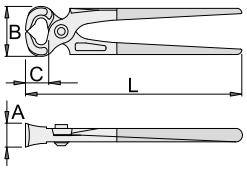


SKU	L	B	A	C	
601342	180	50	23	21	309
601343	200	54	25	24	427
607860	225	54	25	24	419
601344	250	58	26	27	557

530/4P

Carpenters` pincers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped
- made according to standard ISO 9243



SKU	L	B	A	C	
608723	180	50	23	21	309
608724	200	54	25	24	427
608725	225	54	25	24	419
608726	250	58	26	27	557

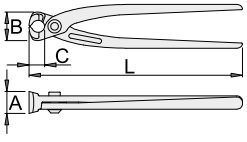
531/4

Tower pincers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- the cutting edges are induction-hardened to 61HRc
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- made according to standard ISO 9242

Advantages:
- the precise form of the joint enables the automatic opening of the pincers in a horizontal position, so the force is applied only during cutting of the wires

Usage:
- useful for the binding and cutting of wires



SKU	L	B	A	C	
601372	190	26	22	15	214
601373	224	30	23	17	333
601374	250	36	25	18	424
601375	280	36	25	18	455

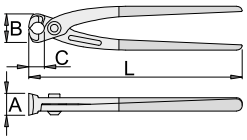
531/4P

Tower pincers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- the cutting edges are induction-hardened to 61HRc
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped
- made according to standard ISO 9242

Advantages:
- the precise form of the joint enables the automatic opening of the pincers in a horizontal position, so the force is applied only during cutting of the wires

Usage:
- useful for the binding and cutting of wires



SKU	L	B	A	C	
608727	190	26	22	15	214
608728	224	30	23	17	333
608729	250	36	25	18	424
608730	280	36	25	18	455

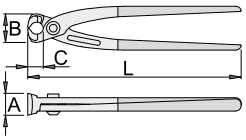
531/4PR

Tower pincers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- the cutting edges are induction-hardened to 61HRc
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped
- made according to standard ISO 9242

Advantages:
- the precise form of the joint enables the automatic opening of the pincers in a horizontal position, so the force is applied only during cutting of the wires

Usage:
- useful for the binding and cutting of wires

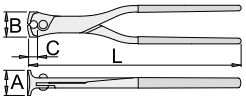


SKU	L	B	A	C	
601386	224	30	23	17	333
601387	250	36	25	18	424
601388	280	36	25	18	455

529/4P

Heavy duty tower pincers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped

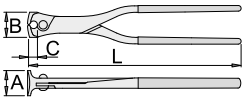


SKU	L	B	A	C	
607494	280	33	33	19	476

529/4PR

Heavy duty tower pincers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped

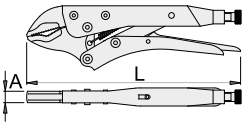


SKU	L	B	A	C	
609563	280	33	33	19	466

429/3

Universal lock - grip pliers

- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw phosphated
- symmetric jaws



SKU	L	A	Omax	
613101	175	10	30	362
605206	250	12	35	596
613102	300	14	40	1010

430/3

Grip pliers

- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw phosphated

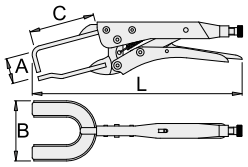
SKU	L	A	Omax	
601551	175	10	30	365
601552	250	12	35	596
601553	300	14	40	1023

432/3A

Welders` lock - grip pliers

- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw phosphated

Usage:
- for angle tubes

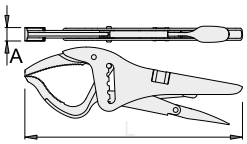


SKU	L	A	B	C	D	
601142	280	30	76	75	45	466

434/3A

Wheel and rack grip pliers

- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw chrome plated

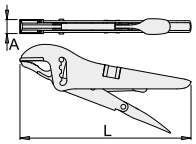


SKU	L	A	Omax	
616721	270	16	120	695

434/3B

Wheel and rack grip pliers

- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw chrome plated



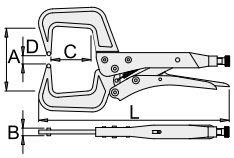
SKU	L	A	Omax	
616722	220	16	50	544

432/3C

Welders` lock - grip pliers

- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw phosphated

Usage:
- for sheet metal and profiles

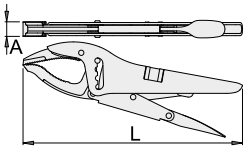


SKU	L	A	B	C	D	
601144	280	82	10	55	50	717

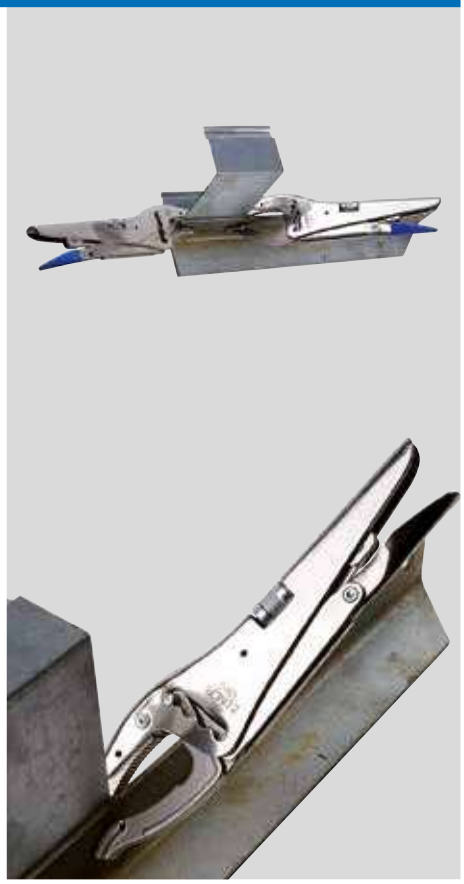
434/3C

Wheel and rack grip pliers

- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw chrome plated



SKU	L	A	Omax	
616723	250	16	80	615

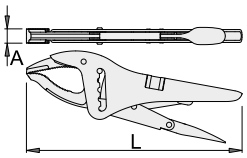


MADE FOR WORK.

434/3D

Wheel and rack grip pliers

- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw chrome plated

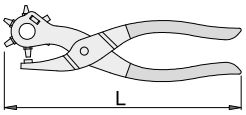


SKU	L	A	Omax	
616724	250	16	100	639

558/5P

Revolving punch pliers with 6 punches

- handles made of sheet metal
- punches from special tool steel, entirely hardened and tempered, sharpened
- surface finish: nickel plated
- handles plastic dipped
- dimensions of punches: 2, 2.5, 3, 3.5, 4, 5



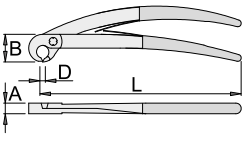
SKU	L	
601557	220	287

528/4BP

Tile pincers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped

Advantages:
- spring for reopening



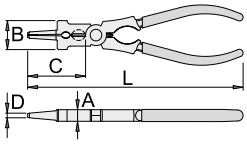
SKU	L	B	A	Di	
612988	200	40	8.4	8	240

436/4P

Universal welding pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- spring for reopening
- head surface finish: finely ground
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped

Usage:
- The universal welding pliers are intended for the maintenance of welding guns for arc welding with protective gas (MAG / MIG welding).
- dirty nozzle
- spatter removal form in and outside the nozzle
- spatter removal from the nozzle end
- clean nozzle
- nozzle removal and installation
- tip removal and installation
- wire cutting
- wire cutting out
- installation bushing removal and installation
- hammering

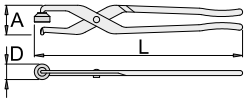


SKU	L	B	D	A	C	
616493	180	25	3	10	59	212
616494	210	34	3.5	11	80	306

431/2

Brake spring pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- loose oil hardened head, phosphated surface finish: chrome plated



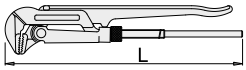
SKU	L	A	ØD	
601554	325	53	25	423

480/6

Pipe wrench 90°, Swedish pattern

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: red lacquered
- serrated jaws with induction hardened teeth
- made according to standard DIN 5234 form A

Usage:
- grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



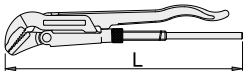
SKU		Omax	L	
601481	1"	50	320	692
601482	1.1/2"	60	415	1200
601483	2"	80	540	2050
601484	3"	105	685	3430
605125	4"	125	750	4920

481/6

Pipe wrench 45°, Swedish pattern

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: red lacquered
- serrated jaws with induction hardened teeth
- made according to standard DIN 5234 form B

Usage:
- grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



SKU		Omax	L	
601495	1/2"	35	265	480
601496	1"	45	335	815
601497	1.1/2"	55	430	1380
601498	2"	70	555	2391
601499	3"	95	700	4300

400

Set of pipe wrenches and waterpump box joint pliers in carton box

Set includes:
- 2x pipe wrench 45°, Swedish pattern, S - form (article 482/6) dim. 1", 1.1/2"
- 1x waterpump box joint pliers (article 447/6) dim. 240

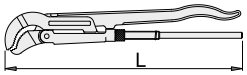
SKU	
612599	3

482/6

Pipe wrench 45°, Swedish pattern, S - form

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: red lacquered
- serrated jaws with induction hardened teeth
- the jaws enable a good grip on flat, semi-circular and round surfaces
- made according to standard DIN 5234 form C

Usage:
- grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges

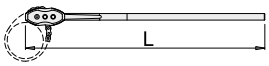


SKU		Omax	L	
601510	1/2"	35	265	475
601511	1"	50	335	800
601512	1.1/2"	60	430	1350
601513	2"	80	545	2360
601514	3"	105	700	4370

484/6

Chain pipe wrenches

- material: premium plus carbon steel
- jaws and tube drop forged
- serrated jaws with induction hardened teeth
- possibility of rotating the jaw
- surface finish: lacquered tube, other parts anticorrosion oiled
- the chain can withstand extremely high loads

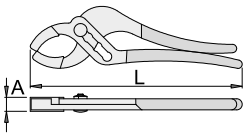


SKU		Omax	L	
601530	4	160	815	6735
601531	6	200	965	9238
601532	8	300	1130	13000
601533	12	400	1290	18000

487/2P

Drain trap pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009
- additional plastic jaws for working with soft material



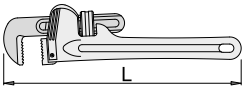
SKU	L		A	
612869	235	18 - 67	14.5	315

492/6

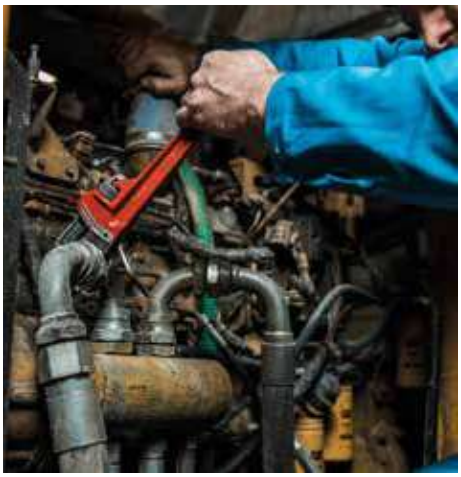
Heavy duty pipe wrench

- material: premium chrome vanadium steel
- jaws entirely hardened and tempered, teeth additionally induction hardened
- replaceable jaws, phosphated
- adjustable upper jaw
- handle lacquered
- jaws and screws as spare parts for art. 492/6, 490/6 and 492AL

Usage:
- grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



SKU	L"		Omax	L	
601544	8"	1"	34	200	375
601545	10"	1.1/2"	49	250	760
618893	12"	1.3/4"	55	300	1100
601546	14"	2"	60	350	1520
601547	18"	2.1/2"	76	450	2360
601548	24"	3"	89	600	4126
601549	36"	5"	140	900	7200
618894	48"	6"	165	1200	14800

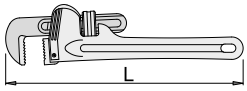


492AL

Heavy duty pipe wrench AL

- material: premium plus carbon steel
- jaws entirely hardened and tempered, teeth additionally induction hardened
- replaceable jaws, phosphated
- adjustable upper jaw
- jaws and screws as spare parts for art. 492/6, 490/6 and 492AL
- aluminium handle

Usage:
- grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



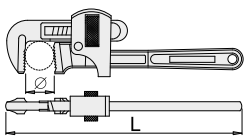
SKU	L"		Omax	L	
602719	14"	2"	60	325	960
602720	18"	2.1/2"	76	410	1560
602721	24"	3"	89	555	2450
602722	36"	5"	140	790	4600

494/6

Adjustable pipe wrench

- the handle is drop forged from special tool steel
- jaw guide made from special alloy
- working surfaces induction hardened
- teeth ground
- lacquered

Usage:
- grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



SKU	L"		Omax	L	
619786	8"	3/4"	27	200	280
619787	10"	1"	35	250	580
619788	12"	1.1/4"	43	300	780
619789	14"	1.1/2"	50	350	1050
619790	18"	2"	60	450	1808
619791	24"	2.1/2"	76	600	3250
619792	36"	3.1/2"	100	900	6300

HERCULES
UNIOR

CABLE CUTTING, STRIPPING AND CRIMPING TOOLS

A dedicated cable processing tool is an excellent utility aimed primarily at professional users; both electricians and industrial technicians, maintenance workers, etc. With its customized design and perfect functionality, it enables the latter to carry out their daily work easily and safely. High-quality steel with a special composition and additional chrome surface protection also gives the tool a longer service life.

FIT FOR ITS PURPOSE AND FUNCTION
Specialised tool for working with electrical and other cables that is intended for professional users.

SOPHISTICATED DESIGN
Ergonomic pliers design to ensure maximum comfort and minimal effort during work.

PRECISION
Technologically perfected, Unior pliers provide a truly precise grip.

Premium Hard +

Premium Hard Plus carbon steel

Effortless cutting

In addition to carbon, manganese, silicon and chrome, this special carbon steel also contains vanadium, which considerably improves the pinching characteristics of the tool by increasing its carbide hardness. Pincers made from this steel prove their excellent efficiency, even when used on the hardest of wires. The high carbon content results in both a higher tensile strength of the material and in increased durability. Improvements made subsequent to the inductive forging process lead to extraordinarily high jaw hardness.

Special carbon steel, in accordance with EU Directive 2000/53/EC and the EN 10058 standards

- 0,80% carbon for higher tensile strength and durability
- 0,70% manganese for higher tensile strength and ductility
- 0.30% silicon for higher elasticity
- 0,25% chrome for higher tensile strength and lower susceptibility to cracking

CUTTING 112 - 114

STRIPPING 115

CRIMPING 116 - 117

**WHEN USING ANY TOOL,
PROPER PRECAUTIONS MUST BE TAKEN.**

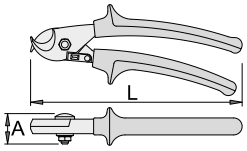
The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

580/1BI

Cable shears

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- surface finish: chrome plated according to ISO 1456:2009
- head polished
- heavy duty double - component handles
- jet stamp UNIOR

Important!
- for cutting cables without steel wire



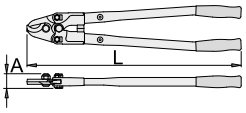
SKU	L	A	Øī	
609238	170	22	10	339
609239	230	22	17	444

585/6

Cable shears

- material: cutter from premium plus carbon steel
- steel handles, lacquered, heavy duty plastic handles
- cutting edges separately induction hardened
- jaws exchangeable

Important!
- for cutting cables without steel wire or inside steel coat



SKU	L	A	Ø max	
615226	550	38	23	**2080**
616732	800	42	39	**3660**

585.1/7

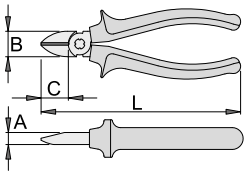
Spare jaw for 585/6

SKU	⟷	
618620	550	354
618621	800	810

461/1BI

Diagonal cutting nippers

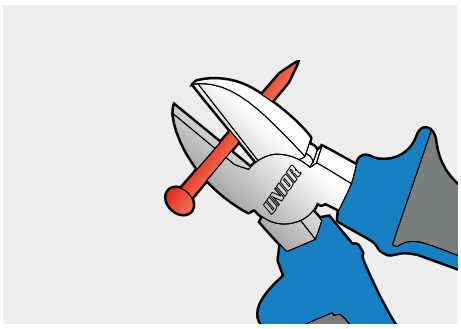
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749

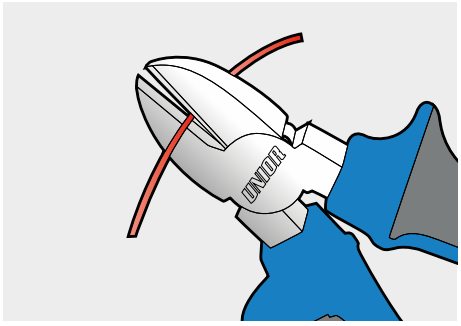


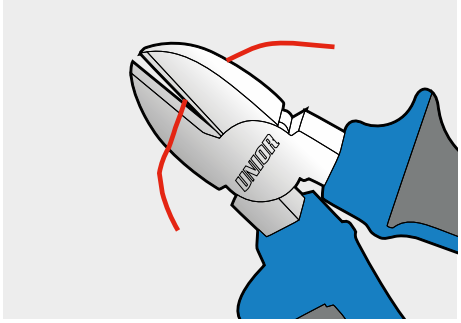
SKU	L	B	A	C	
607883	140	19	9.5	18	**169**
607884	160	22.5	10	22	**214**

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
607883	140	1,6	2,0
607884	160	1,6	2,5







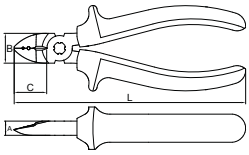
462/1BI

Multifunctional diagonal cutting nippers

- material: premium plus carbon steel
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles

Advantages:

- Stripping off insulation of single conductors 1,5 mm2 and 2,5mm^2



SKU	L	B	A	C	
624059	160	21	10	22	211

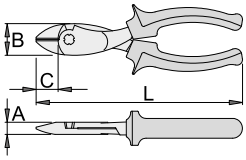
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
624059	160	1,6	2,5

466/1BI

Heavy duty diagonal cutting nippers

- material: premium flex plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749



SKU	L	B	A	C	
617686	160	23.5	10	20.5	214
608850	180	28	11	20	313
608837	200	27	11	21	344

cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm² Øī	max 650 N/mm² Øī
617686	160	1,6	2,5
608850	180	1,8	3,0
608837	200	2,0	3,5

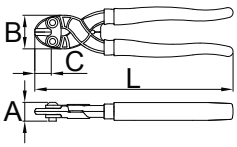
469SHARK/4ADP

BOLTSHARK cutter

- These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from Premium Hard Plus carbon steel with induction hardened cutting edges, BoltShark cutter can cut through up to 6mm of soft metal wire, 4mm of hard steel, and 3.6mm of tempered piano wire or steel spring. In addition to wire, the Boltshark cutters will quickly and cleanly cut through 5mm diameter nails, screws and rivets. The included groove holds thicker wire in position, preventing it from rolling along the cutting edge as the jaws are tightened.
- drop forged from Premium Hard Plus carbon steel
- fully hardened to ~47HRc, with cutting edges induction hardened to ~64HRc
- finished with an anti-corrosive black coating and lightly oiled
- double-dipped plastic non-slip handles provide good ergonomic hand grip

Advantages:

- Engineered with a two-rivet joint, which uses a compound action to give increased cutting force with less effort.
- The strongest force needs to be applied at the start of the cut, when the handles are furthest apart. BoltShark cutters are designed with the handles tighter together allowing the maximum force to be applied from the very start of the cut.
- Central cutting edges leave a bevelled finish on both sides of the cut.
- for precise cutting of soft (up to 6 mm), hard (up to 3,5 mm) and piano wires (up to 3 mm)
- easily cuts parts such as screws, nails, rivets, etc. up to 4 mm thickness



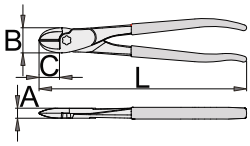
SKU	L	B	A	C	
627533	200	34,8	19,5	16,5	354

cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm² Øī	max 1600 N/mm² Øī	max 650 N/mm² Øī
627533	200	3	3,5	6

467SHARK/4DP

Powershark cutter



› These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from high carbon steel with induction hardened cutting edges, PowerShark cutter can cut through up to 6mm of soft metal wire, 3,5 mm of hard steel, and 3 mm of tempered piano wire or steel springs. In addition to wire, the Powershark cutters will quickly and cleanly cut through 4mm diameter nails, screws and rivets.
› drop forged from Premium Hard Plus carbon steel
› double-dipped plastic non-slip handles provide good ergonomic hand grip

Advantages:
› fully hardened to ~47HRc, with cutting edges induction hardened to ~64HRc
› finished with an anti-corrosive black coating and lightly oiled
› central cutting edges leave a bevelled finish on both sides of the cut

Usage:
› for precise cutting of soft (up to 6 mm), hard (up to 3,5 mm) and piano wires (up to 3 mm)
› easily cuts parts such as screws, nails, rivets, etc. up to 4 mm thickness

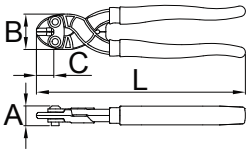
SKU	L	B	A	C	
626490	250	30	12	24	389

cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm² Øi	max 1600 N/mm² Øi	max 650 N/mm² Øi
626490	250	3	3,5	6

469SHARK/4DP

BOLTSHARK cutter with groove



› These ultra-powerful cutters are used to easily cut metal wire, including hardened and tempered alloys, and other extruded metals. They are ergonomically designed to apply a maximum force, while being easy on the hands. Drop-forged from Premium Hard Plus carbon steel with induction hardened cutting edges, BoltShark cutter can cut through up to 6mm of soft metal wire, 4mm of hard steel, and 3.6mm of tempered piano wire or steel spring. In addition to wire, the Boltshark cutters will quickly and cleanly cut through 5mm diameter nails, screws and rivets. The included groove holds thicker wire in position, preventing it from rolling along the cutting edge as the jaws are tightened.
› drop forged from Premium Hard Plus carbon steel
› fully hardened to ~47HRc, with cutting edges induction hardened to ~64HRc
› finished with an anti-corrosive black coating and lightly oiled
› double-dipped plastic non-slip handles provide good ergonomic hand grip

Advantages:
› Engineered with a two-rivet joint, which uses a compound action to give increased cutting force with less effort.
› The strongest force needs to be applied at the start of the cut, when the handles are furthest apart. BoltShark cutters are designed with the handles tighter together allowing the maximum force to be applied from the very start of the cut.
› When cutting thicker diameter wire (over 2.5mm), there is a tendency for the wire to be pushed along the cutting edges as the jaws are tightened. The addition of a groove on the cutting edge holds the material safely in place, preventing this movement and allowing efficient, one-handed operation.
› Tests show that using grooved BoltShark cutters to cut 2mm piano wire requires only 33% of the force needed by traditional strong cutters.
› Central cutting edges leave a bevelled finish on both sides of the cut.
› The included groove holds thicker wire in position.

Usage:
› For precise cutting of soft (up to 6 mm), hard (up to 4 mm) and piano wires (up to 3,6 mm).
› Easily cuts parts such as screws, nails, rivets, etc. up to 5 mm thickness.

SKU	L	B	A	C	
626500	200	34,8	19,5	16,5	347

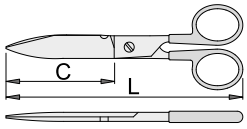
cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm² Øi	max 1600 N/mm² Øi	max 650 N/mm² Øi
626500	200	3,6	4,0	6

582/3P

Electricians` scissors

› material: premium flex plus carbon steel
› drop forged
› cutting edges induction hardened
› surface finish: nickel plated
› handles plastic dipped



SKU	L	C	
601127	145	52	81

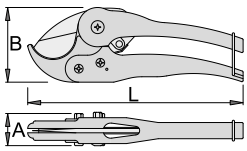
583/6

PVC pipe cutter

› material: blade from premium plus carbon steel

Advantages:
› step cutting mechanism
› right angle cuts are assured

Usage:
› intended for cutting PVC pipes (dim. 195 up to 1" and dim. 210 up to 1, 5" of thickness)



SKU	L		
605418	195	1	295
609405	210	1.5	385

380

Wire stripper

› material: polyamide

Advantages:
› adjustable length stop of 5-12 mm
› easily accessible built - in side cutter for max. 2mm

Usage:
› fully insulated automatic wire stripper for all common standard and solid conductors of 0, 2-6mm²

SKU		
610925	0.2 - 6	117

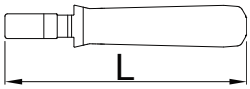
385H

Cable stripper with hook knife

› material: polyamide

Advantages:
› no damage of the inner conductors can occur due to infinitely variable adjustment of the cutting depth
› the swivel blade automatically turns from circular to longitudinal cut

Usage:
› accurate, fast and safe stripping of all common round cables of 4-28 mm²



SKU		L	
610930	4 - 28	170	91

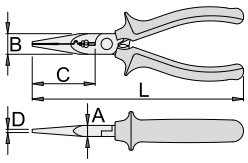
514/1BI

Multifunctional electrician`s pliers

› material: premium plus carbon steel
› drop forged, entirely hardened and tempered
› cutting edges induction hardened
› head polished
› surface finish: chrome plated according to ISO 1456:2009
› heavy duty double - component handles

Advantages:
› 7 different functions
› multi-toothed jaw
› ergonomically shaped handle
› extra strong grip
› Extra strong grip - the design and shape of the handles give the hand more leverage during use, enabling more stability and safer transmission of force.
› high durability
› Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.

Usage:
› The ground part of the jaw is intended for gripping objects with sensitive surfaces.
› The pliers can be used for crimping insulated spade terminals.
› Stripping off insulations from Ø 2.2 mm to Ø 3.0 mm.
› Stripping off insulations from Ø 3.5 mm to Ø 4.0 mm.
› Cutting wires from Ø 2.2 mm to Ø 4.0 mm.
› Crimping cable terminals up to Ø 4.0 mm.



SKU	L	B	D	A	C	
612782	160	16	2.5	9	49	141

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø	max 650 N/mm² Ø
612782	160	1,6	2,0

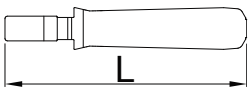
385G

Cable stripper with straight knife

› material: polyamide

Advantages:
› no damage of the inner conductors can occur due to infinitely variable adjustment of the cutting depth
› the swivel blade automatically turns from circular to longitudinal cut

Usage:
› accurate, fast and safe stripping of all common round cables of 4-28 mm²



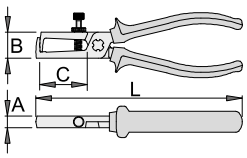
SKU		L	
610931	4 - 28	170	92

478/1BI

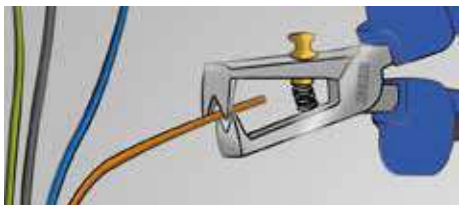
Wire stripping pliers

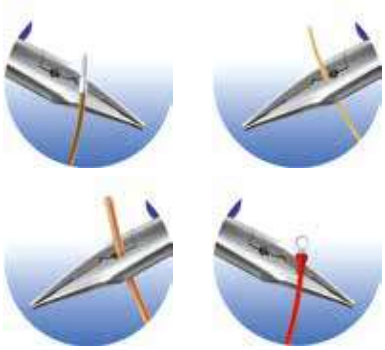
› material: premium plus carbon steel
› drop forged, entirely hardened and tempered
› cutting edges induction hardened
› head polished
› surface finish: chrome plated to standard ISO 1456:2009
› heavy duty double - component handles

Advantages:
› spring for reopening
› stripping capacity: up to max 0.6 - 10mm²



SKU	L		B	A	C	
607882	160	0.6 - 10	18	9	40	178





427/4AG

Crimp grip pliers

› material: premium chrome vanadium steel
› surface finish: phosphated to standard ISO 9717
› heavy duty double - component handles

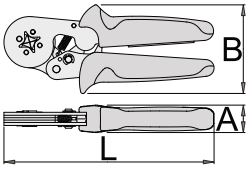
Advantages:
› strong metal crimping profile with electrical plating
› reinforced connecting spring for longer usage life
› square crimping performs a better contact than traditional crimping profile

Usage:
› for cord end sleeves 0,08 - 10mm²/AWG28 - 7

Automatic self-adjustment to requested wire size.

Square crimp.

High-precision die geometry leads to a clearly defined crimp shape of the ferrule.



SKU	L	B	A	
621550	180	76	20	433

427/4CG

Crimp grip pliers

› material: premium plus carbon steel
› surface finish: phosphated to standard ISO 9717
› heavy duty double - component handles

Advantages:
› special designed clamping jaws hold the wire securely during the stripping process

Usage:
› swivel knob micro-adjusts for thinner wire to 30AWG (0.05mm²) or thicker wire to 8AWG (8mm²)
› crimp non-insulated terminals 10-22AWG (1.5 to 6.0mm²)
› crimp insulated terminals 10-22AWG (1.5 to 6.0mm²)

SKU	
621552	378

427/4DG

Modular crimping pliers

› material: premium plus carbon steel
› surface finish: phosphated to standard ISO 9717
› heavy duty double - component handles

Advantages:
› exact crimping process due to parallel crimping

Usage:
› for crimping 6- and 8-pole Western plugs type RJ 11/12 (9.65 mm width) and type RJ 45 (11.68 mm width)
› tool for cutting and stripping unshielded ribbon telephone cables
› with additional stripping device for round cables
› with length cutter and dismantling knife for ribbon cables 6 and 12 mm width

SKU	
621553	401

427/2FG

Crimp grip pliers

› material: premium plus carbon steel
› jaws hardened to 38-40HRC
› very easy to handle

Advantages:
› hexagon crimping
› the respective cross-section is set by rotating profile disks
› Dented 6-position rotating dies 6, 10, 16, 25, 35, 50mm²
› lever transmission permits light force transfer

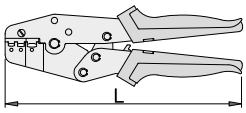
SKU		
621555	6 - 50	1350

428/4

Crimp lever pliers

› material: premium sheet metal
› jaws drop forged from premium plus carbon steel, entirely hardened and tempered
› toggle joint ensures high compression pressure with little effort
› heavy duty plastic handles
› re-changeable head-spare part
› surface finish: phosphated to standard ISO 9717

Usage:
› for insulated terminals (0,5-6mm^2)



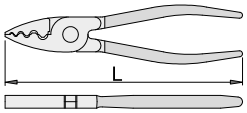
SKU		L	
602327	0.5 - 6	226	575

424/4P

Crimping pliers

› material: premium plus carbon steel
› drop forged, entirely hardened and tempered
› head surface finish: finely ground
› surface finish: phosphated to standard ISO 9717
› handles plastic dipped

Usage:
› for non-insulated terminals (dim. 140 from 0,5-2,5mm^2, dim. 180 0,25-16mm^2)
› for crimping non-insulated cord end terminals



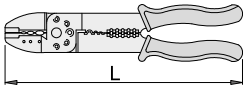
SKU		L	
607949	0.5 - 2.5	140	144
607950	0.25 - 16	180	258

425/4AB

Crimping pliers

› material: premium plus carbon steel
› entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717
› heavy duty plastic handles

Usage:
› for non-insulated standard and closed terminals (1,5-6mm^2), for cutting cables, screws and stripping insulation



SKU		L	
605806	1.5 - 6	240	320

428/4AGPB

Set of grip crimp pliers with exchangeable jaws in plastic box

› material: premium plus carbon steel
› surface finish: phosphated to standard ISO 9717
› heavy duty double - component handles
› Dimension of box: 307 x 260 x 55

Advantages:
› ratchet crimp system ensures reliable work
› quick changing system for 4 different types of jaws

Usage:
› for insulated terminals AWG10-12/14-16/18-22 (4-6/1.5-2.5/0.5-1.0mm^2)
› for non-insulated terminals AWG14-6 (0.2-16mm^2)
› for cord end terminals AWG22-6 (0.5-16mm^2)
› for BNC/TNC coax connectors RG-58, RG-59/62. Hex connectors 0.255 (6.48mm^2), 0.213 (5.41mm^2), 0.068 (1.73mm^2)

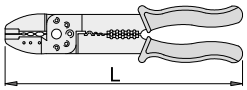
SKU	
621557	1315

425/4A

Crimping pliers

› material: premium plus carbon steel
› entirely hardened and tempered
› surface finish: phosphated to standard ISO 9717
› heavy duty plastic handles

Usage:
› for insulated and closed non-insulated terminals (1,5-6mm^2), for cutting cables, screws and stripping insulation



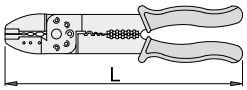
SKU		L	
601136	1.5 - 6	240	320

425/4B

Crimping pliers

› material: premium plus carbon steel
› entirely hardened and tempered
› surface finish: phosphated to standard DIN 12476
› heavy duty plastic handles

Usage:
› for insulated and non-insulated open terminals (1,5-6mm^2), for cutting cables, screws and stripping insulation



SKU		L	
601137	1.5 - 6	240	320

INSULATED TOOLS

When safety comes first!

In the case of isolated VDE tools, safety is of the utmost importance, even under 1000V high voltage, as this is precisely where extremely strict European regulations apply. Due to the awareness and importance of the latter, we have upgraded this in the development and production of Unior VDE tools, by testing the tools in even more demanding conditions. Quality assurance without defects gives us 100% control of products in the manufacture itself, and then additional sample control for the most demanding tests in the test laboratory. The possibility of complete quality control is also enabled by our 100% own VDE tool manufacture.

EXCEPTIONAL SAFETY – provided by the insulated Unior tool at work even under 1000V high voltage. Each tool is thoroughly tested in an impact test, a voltage test, a flame retardation test, an insulation adhesion test and an embossing test. Each tool is individually tested!

The tools are manufactured in accordance with **– STANDARD - EN IEC 60900.**

DOUBLE-PAINTED INSULATION – ensuring additional safety.

Sustainability – hand in hand with product electrification

Today, we are witnessing an increase in electricity use around us, both in the field of mobility and in the fields of machine development, heavy machinery, robotics, etc. Progress here has peaked in recent years, so it is of the utmost importance that this is followed by development of the tool.

INSULATED WRENCHES	**122 - 123**
INSULATED SOCKETS	**124 - 125**
INSULATED PLIERS	**126 - 131**
INSULATED SCREWDRIVERS	**132 - 136**
OTHER INSULATED TOOLS	**137**
SETS OF INSULATED TOOLS	**138 - 139**

Premium Hard Plus carbon steel - effortless cutting!

In addition to carbon, manganese, silicon and chromium, the special carbon structural steel also contains vanadium, which significantly improves the tool's clamping capabilities due to its effect on the higher hardness of the carbides. Pliers made of this steel prove their superior efficiency even when used on the hardest wires. The high carbon content, in addition to the higher tensile strength of the material, enables longer durability. As a result of the improvement, distinctly higher wafer hardnesses are achieved after induction hardening.

Special carbon structural steel, compliant with EuroDirective 2000/53/EC and EN 10058 standard:

- 0.80% carbon for greater tensile strength and durability
- 0.70% manganese for higher tensile strength and toughness
- 0.30% silicon for greater elasticity
- 0.25% chromium for higher tensile strength and less susceptibility to cracks

Orange as a warning sign

The double plastic protection of VDE tools ensures double safety at work, because it enables the detection of worn out tools in due time. When tools are worn out, orange colour (protective layer 2) warns a user of the need for immediate replacement.

A special procedure for the manufacture of insulated tools

1. Cold forging of the socket: It involves a sequential technological process that includes annealing, phosphating, and contracting.

2. CNC working of the socket: A special-purpose CNC machine is used to work the socket into the required size according to the ISO standard.

3. Wrench marking: A special procedure is used to imprint an appropriate marking on a wrench indicating the dimensions and material of the wrench.

4. Heat treatment: Annealing and tempering operations are used to give a wrench an appropriate microstructure and optimum strength characteristics, thus providing premium torque values and a long service life.

5. Sanding: In sanding, abrasive material is shot on product surface, making it evenly coarse, while rendering it free of the oxides generated in heat treatment. Sanded surfaces are evenly coarse and exact, thus providing excellent product appearance and surface contrast on products that have certain surfaces treated further.

6. Chroming: A socket is plated with a thin, but hard coating of chromium oxide that protects against corrosion and other external influence. At the same time it gives the socket a proper professional appearance.

Plastic coating process

7. Double plastic coating: The process of coating of tools in multiple layers of plastic appropriate for work under high voltage conditions is a series of operations with precisely defined parameters of implementation that must not deviate from the requirements. This is the only way to obtain a quality and, most importantly, safe product. Before plastic coating, the piece - the metal part of the tool - has to be prepared for the process. It is degreased in a container of acetone and then dried. In order for the material and the metal part of the tool to adhere together effectively in the required places, the metal part of the tool is submerged in a special liquid that activates its adhesive property. This is followed by mounting the piece on special holders. The process of heating starts in a special chamber furnace and it is then immediately submerged in an orange material. It has to be removed from this material, which is heated to the right temperature, with the optimum speed so that the material drips off. Before the second plastic coating, the pieces are gelatinized in a furnace at the prescribed temperature. This is followed by a second plastic coating with a red material, the process of gelatinizing is repeated and the final plastic coating, once again of the red material, gives the piece the final thickness of a two- or three-layered coating. For the appropriate gloss and a professional appearance, the pieces are stabilized in a furnace at the prescribed temperature.

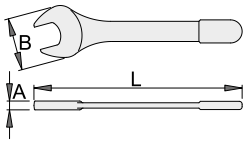
110/2VDEDP

Insulated single open end wrench

- material: premium chrome vanadium steel
- head: chrome plated according to ISO 1456:2009
- made according to standard ISO 7738 and EN IEC 60900:2018

Advantages:
- double layered - double coloured insulation for additional safety
- controlled according to standard EN IEC 60900

Important!
- if second layer is visible, replace your insulated tool with a new one.



1000V IEC 60900

SKU		L	B	A	
618370	6	72	16	6.9	19
618331	7	82	16.1	6.9	26
617801	8	95	21	7	30
621575	9	100	24.5	7.5	35
612175	10	105	24.5	7.5	42
612176	11	112	26	7.5	51
612177	12	125	28	8	65
612178	13	132	30.5	8.5	76
612179	14	140	33	8.5	84
612180	15	150	35	9	96
621576	16	154	40	10	118
612181	17	157	40	10	137
621577	18	165	44	11	151
612182	19	170	44	11	170
618333	20	175	46.4	12.2	184
619201	21	180	48.8	12.5	213
612183	22	195	49	13	234
618335	23	210	52.8	13.1	251
612184	24	220	56	14	311
621578	26	235	59	15	361
617802	27	240	59	15	387
621579	28	245	66	15.8	440
618336	30	260	66.1	15.8	518
618337	32	275	71.4	17.6	620

110/2VDEDPCB

Set of insulated open end wrenches in carton box

Set includes:
- 10x insulated single open end wrench (article 110/2VDEDP) dim. 10, 11, 12, 13, 14, 15, 17, 19, 22, 24

1000V IEC 60900

SKU		
612676	10 - 24	10

250/1VDP

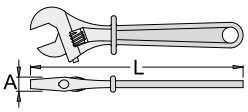
Insulated adjustable wrench

- material: premium chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 6787 and EN IEC 60900:2018

Advantages:
- double layered - double coloured insulation for additional safety
- controlled according to standard EN IEC 60900
- with scale

Important!
- if second layer is visible, replace your insulated tool with a new one.

Caution!
- Adjust the tool before using! Adjustment while working is life dangerous.



1000V IEC 60900

SKU		L	A		
621917	150	165	35	23	182
616849	200	215	35	28	355
616850	250	265	35	32	579
616851	300	310	36	38	871
622065	380	390	35	50	1505

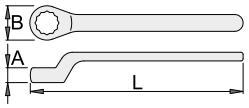
180/2VDEDP

Insulated single offset ring wrench

- material: premium chrome vanadium steel
- head: chrome plated according to ISO 1456:2009
- made according to standard ISO 10104 and EN IEC 60900:2018

Advantages:
- double layered - double coloured insulation for additional safety
- controlled according to standard EN IEC 60900

Important!
- if second layer is visible, replace your insulated tool with a new one.



1000V IEC 60900

SKU		L	B	A	
621580	6	155	13.5	8.5	51
621581	7	155	15	9	57
621582	8	160	16.5	9.5	62
621583	9	160	17.5	10	72
612185	10	162	19.5	11	81
612186	11	175	20	11.5	97
612187	12	185	21.5	11.5	112
612188	13	185	23	12.5	113
612189	14	190	25.5	13	136
612190	15	195	27	13.5	146
621584	16	190	27.5	14.5	175
612191	17	208	30.5	15.5	185
621585	18	195	30	15.5	210
612192	19	227	33	15.5	233
621586	20	245	34.5	16.2	273
619202	21	244	36.4	13.2	307
612193	22	250	37.5	17.5	300
621587	23	250	39.8	16.8	333
612194	24	255	42	18.5	428
621588	26	265	44	18	450
621589	27	270	44.8	18	411
621590	28	280	36.5	18.5	488
621591	30	310	47	19	574
621592	32	325	51.5	19.5	647

180/2VDEDPCB

Set of insulated single offset ring wrench in carton box

Set includes:
› 10x insulated single offset ring wrench (article 180/2VDEDP) dim. 10, 11, 12, 13, 14, 15, 17, 19, 22, 24

SKU		
612677	10 - 24	10

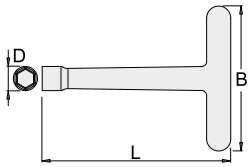
196/2LVDP

Insulated socket wrench with T-handle, long type

› material: premium chrome vanadium steel
› entirely hardened and tempered
› head: chrome plated according to ISO 1456:2009
› made according to standard DIN EN IEC 60900

Advantages:
› double layered - double coloured insulation enable additional safety
› controlled according to standard EN IEC 60900

Important!
› if second layer is visible, replace your VDE tool with the new one.



SKU		L	B	D	
619143	10	300	160	20	439
619150	11	300	160	21	460
619151	12	300	160	24	495
619152	13	300	160	24	492
619153	14	300	160	27	422
619154	17	300	160	30	640
619155	19	300	160	32	757
619156	20	300	160	34	737
619157	21	300	160	34	772
619158	22	300	160	34	806
619159	23	300	160	45	780
619160	24	300	160	45	875

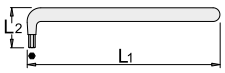
220/3LVDEDP

Insulated hex wrench

› material: premium chrome vanadium steel
› entirely hardened and tempered
› made according to standard ISO 2936 and EN IEC 60900:2018

Advantages:
› double layered - double coloured insulation enable additional safety
› controlled according to standard EN IEC 60900

Important!
› if second layer is visible, replace your VDE tool with the new one.

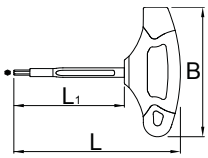


SKU		L1	L2	
619136	3	130	26	20
619137	4	145	31	31
619138	5	165	36	53
619139	6	188	40	73
619140	8	206	49	135
619141	10	234	55	221
619142	12	262	58	346

220TV

Insulated hex T wrench

› controlled according to standard EN IEC 60900
› made according to standard ISO 2936 and EN IEC 60900:2018



SKU		L	L1	B	
619132	4	109.5	75	80	43
619133	5	109.5	75	80	50
619134	6	143	100	100	94
619135	8	143	100	100	123

220TV4PB

Set of insulated hex T wrenches in plastic box

Set includes:
› 4x insulated hexagon T wrench (article 220TV) dim. 4, 5, 6, 8

SKU		
621648	4 - 8	4

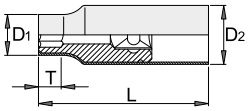
190/2VDEDP

Insulated socket 1/2", 6 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- head: chrome plated according to ISO 1456:2009
- made according to standard ISO 2725-1 and EN IEC 60900:2018

Advantages:
- double layered - double coloured insulation for additional safety
- controlled according to standard EN IEC 60900

Important!
- if second layer is visible, replace your insulated tool with a new one.



SKU		D1	D2	L	T	
617803	8	18	27	54	12	65
612195	10	19,5	27	54	12	72
612196	11	20,7	27	54	12	75
612197	12	22	27	54	12	74
612198	13	23,2	27	54	12	77
612199	14	24,5	27	54	12	72
621594	15	25,7	27	54	12	78
621595	16	27	27	54	12	82
612200	17	28,1	27	54	12	83
621596	18	29,5	27	54	12	94
612201	19	30,7	27	54	14	96
621597	20	32	27	54	14	106
621598	21	33,2	27	54	14	115
612202	22	34,5	27	54	14	108
612203	24	37	27	58	16	158
617804	27	41	27	59	18	176
621602	30	44,5	27	62	22	247
621603	32	47	27	62	22	284

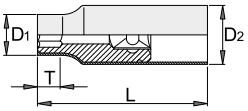
190/2LVDEDP

Insulated socket 1/2", long type, 12 point

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- head: chrome plated according to ISO 1456:2009
- made according to standard ISO 2725-1 and EN IEC 60900:2018

Advantages:
- double layered - double coloured insulation for additional safety
- controlled according to standard EN IEC 60900

Important!
- if second layer is visible, replace your insulated tool with a new one.



SKU		L	D1	D2	T	
619104	10	96	20.7	27	27	116
619105	11	96	21.6	27	27	116
619106	12	96	22.6	27	27	123
619107	13	96	23.3	27	27	127
619108	14	96	25.8	27	35	134
619109	15	96	26.8	27	35	132
619111	17	96	30	27	35	151
619113	19	96	32	27	35	170
619115	21	96	33	27	35	188
621604	22	96	33.6	29.6	35	213
621605	24	96	35.6	31.6	35	238

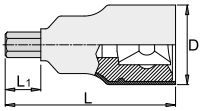
192/2HXVDEDP

Insulated hex socket 1/2"

- material: socket from premium flex chrome vanadium steel
- material: bit from premium plus carbon steel
- entirely hardened and tempered
- made according to standard DIN 7422 and EN IEC 60900

Advantages:
- double layered - double coloured insulation enable additional safety
- controlled according to standard EN IEC 60900

Important!
- if second layer is visible, replace your insulated tool with a new one.



SKU		L	L1	D	
615173	4	76	8	27	76
615174	5	76	8	27	73
615175	6	76	8	27	80
615176	8	76	8	27	96
615177	10	76	8	27	110

190.1AVDEDP

Insulated reversible ratchet 1/2"

- material: premium chrome vanadium steel
- Lever for changing the direction
- made according to standard ISO 3315 and EN IEC 60900:2018

Advantages:
- double layered - double coloured insulation for additional safety
- 75 - teeth
- 4,8° working angle
- controlled according to standard EN IEC 60900

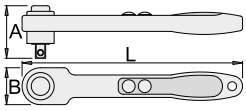
Important!
- if second layer is visible, replace your insulated tool with a new one.

SKU		L	B	A	
619119	1/2"	245	50	80	667

190.1VDE

Insulated reversible ratchet 1/2"

- material: premium chrome vanadium steel
- with 36 teeth
- minimal angle of turn 10°
- button for changing the direction
- controlled according to standard EN IEC 60900
- made according to standard DIN EN IEC 60900



1/2" 1000V IEC 60900

SKU	■	L	B	A	
612206	1/2"	275	46	66	553

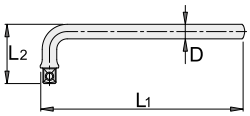
190.5/2VDEDP

Insulated offset handle 1/2"

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 3316 and EN IEC 60900:2018

Advantages:
- double layered - double coloured insulation for additional safety
- controlled according to standard EN IEC 60900

Important!
- if second layer is visible, replace your insulated tool with a new one.



1/2" 1000V IEC 60900

SKU	L1	L2	
615178	250	72	408

190VDE6P11A

Insulated socket set 1/2" in metal box

- Dimension of box: 321 x 198 x 54

Set includes:
- 9x insulated socket 1/2", 6 point (article 190/2VDEDP) dim. 10, 11, 12, 13, 14, 17, 19, 22, 24
- 1x insulated reversible ratchet 1/2"
- insulated accessories 1/2"; 1x extension bar (125mm)

1/2" 1/2" 1000V IEC 60900

SKU	⟷	
612678	10 - 24	11

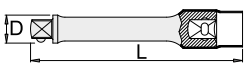
190.4/2VDEDP

Insulated extension bar 1/2"

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- head: chrome plated according to ISO 1456:2009
- made according to standard ISO 3316 and EN IEC 60900:2018

Advantages:
- double layered - double coloured insulation for additional safety
- controlled according to standard EN IEC 60900

Important!
- if second layer is visible, replace your insulated tool with a new one.



1/2" 1/2" 1000V IEC 60900

SKU	■	L	D	
612205	1/2"	125	27	209
612204	1/2"	250	28	380

190VDE6P10

Insulated socket set 1/2" in plastic box

- Dimension of box: 307 x 260 x 70

Set includes:
- 7x insulated socket 1/2", 6 point (article 190/2VDEDP) dim. 13, 14, 17, 19, 22, 24, 27
- 1x insulated reversible ratchet 1/2"
- insulated accessories 1/2"; 2x extension bar (125, 250mm)

1/2" 1/2" 1000V IEC 60900

SKU	⟷	
621646	13 - 27	10

190VDE12P11L

Insulated socket set 1/2"- long type in metal box

- Dimension of box: 448 x 198 x 54

Set includes:
- 9x insulated socket 1/2", long type, 12 point (article 190/2LVDEDP) dim. 10, 11, 12, 13, 14, 17, 19, 22, 24
- 1x insulated reversible ratchet 1/2"
- insulated accessories 1/2"; 1x extension bar (125mm)

1/2" 1/2" 1000V IEC 60900

SKU	⟷	
625166	10 - 24	11

190VDEDP6P13B

Insulated socket set 1/2" in metal box

› Dimension of box: 321 x 198 x 54

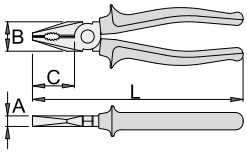
Set includes:
› 11x insulated socket 1/2", 6 point (article 190/2VDEDP) dim. 8, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27
› 1x insulated reversible ratchet 1/2"
› insulated accessories 1/2"; 1x extension bar (125mm)

SKU	⟷	
619420	8 - 27	13

406/1VDEBI

Combination pliers

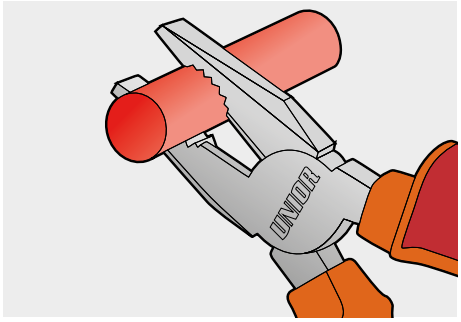
› material: premium plus carbon steel
› drop forged, entirely hardened and tempered
› cutting edges induction hardened
› head polished
› surface finish: chrome plated to standard ISO 1456:2009
› heavy duty double - component handles
› made according to standard ISO 5746 and EN IEC 60900

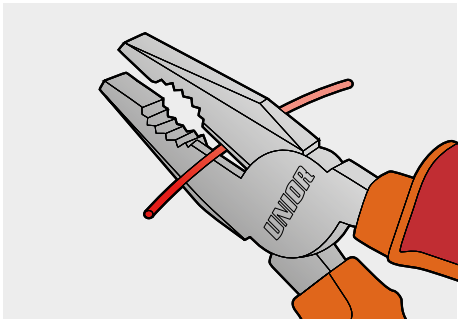


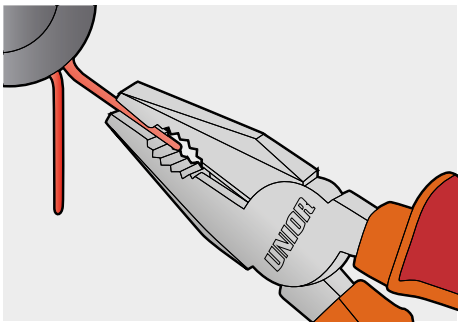
SKU	L	B	C	A	
610421	160	24	35	9.5	224
610422	180	27	38	10	274
610423	200	29	41	10.5	344
610424	220	32	47	11	424

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
610421	160	1,6	2,0
610422	180	1,8	2,5
610423	200	2,0	2,5
610424	220	2,0	3,0







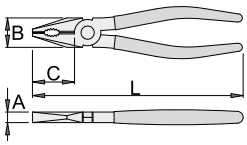
406/1VDEDP

Combination pliers

› material: premium plus carbon steel
› drop forged, entirely hardened and tempered
› cutting edges induction hardened
› head polished
› surface finish: chrome plated according to ISO 1456:2009
› made according to standard ISO 5746 and EN IEC 60900

Advantages:
› handles are insulated with double layered - double coloured insulation for additional safety

Important!
› if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	C	A	
619177	140	23	32	8	157
619178	160	24	35	9.5	219
619179	180	27	38	10	269
619180	200	29	41	10.5	321
619181	220	32	47	11	376

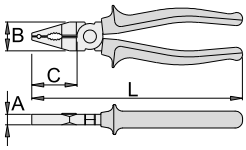
cutting capacity (10N=1kg)

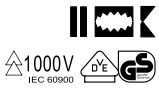
SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
619177	140	1,6	2,0
619178	160	1,6	2,0
619179	180	1,8	2,5
619180	200	2,0	2,5
619181	220	2,0	3,0

420/1VDEBI

Linemen`s pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard EN IEC 60900





SKU	L	B	C	A	
610425	180	24	45	11	241

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
610425	180	1,8	2,5

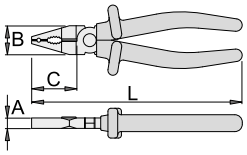
420/1VDEDP

Linemen`s pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation for additional safety

Important!
- if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	C	A	
619176	180	24	45	11	221

cutting capacity (10N=1kg)

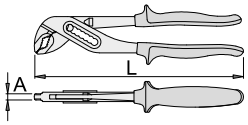
SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
619176	180	1,8	2,5

447/1VDEBI

Insulated waterpump box joint pliers

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 8976 and EN IEC 60900

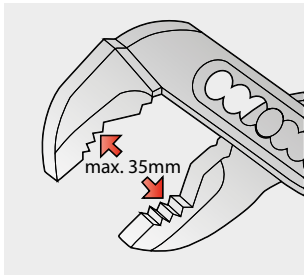
Advantages:
- jaw aperture adjustable in 7 positions
- A special bulge prevents fingers to be pressed between the handles of the pliers.

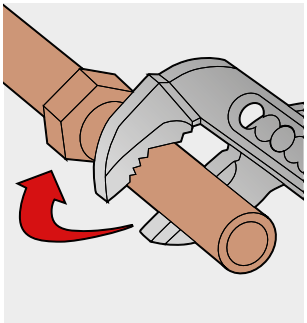


SKU	L	A	O max	
611993	240	6.5	35	367

447/1VDEDP

Waterpump box joint pliers

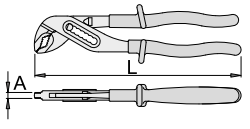




- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 8976 and EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation for additional safety
- jaw aperture adjustable in 7 positions
- A special bulge prevents fingers to be pressed between the handles of the pliers.

Important!
- if second layer is visible, replace your insulated tool with a new one.

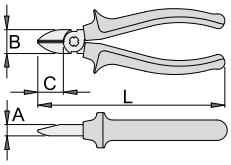


SKU	L	A	O max	
619199	240	6.5	35	382

461/1VDEBI

Diagonal cutting nippers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749 and EN IEC 60900



1000V IEC 60900

SKU	L	B	C	A	
610426	140	19	9.5	18	169
610427	160	22.5	10	22	214

cutting capacity (10N=1kg)

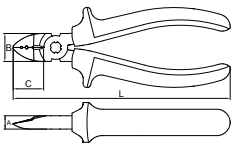
SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
610426	140	1,6	2,0
610427	160	1,6	2,5

462/1VDEBI

Multifunctional diagonal cutting nippers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard EN IEC 60900

Advantages:
- Stripping off insulation of single conductors 1,5 mm2 and 2,5mm^2



1000V IEC 60900

SKU	L	B	A	C	
624060	160	21	10	22	214

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
624060	160	1,6	2,5

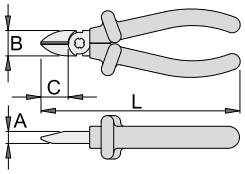
461/1VDEDP

Diagonal cutting nippers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 5749 and EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation for additional safety

Important!
- if second layer is visible, replace your insulated tool with a new one.



1000V IEC 60900

SKU	L	B	C	A	
619193	140	19	9.5	18	174
619194	160	22.5	10	22	224

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
619193	140	1,6	2,0
619194	160	1,6	2,5

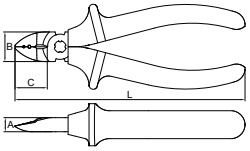
462/1VDEDP

Multifunctional diagonal cutting nippers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard EN IEC 60900

Advantages:
- Stripping off insulation of single conductors 1,5 mm2 and 2,5mm^2
- handles are insulated with double layered - double coloured insulation for additional safety

Important!
- if second layer is visible, replace your insulated tool with a new one.



1000V IEC 60900

SKU	L	B	A	C	
624061	160	21	10	22	224

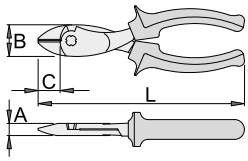
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
624061	160	1,6	2,5

466/1VDEBI

Heavy duty diagonal cutting nippers

- material: premium flex plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749 and EN IEC 60900



1000V IEC 60900

SKU	L	B	A	C	
610428	180	28	11	20	316
611756	200	27	11	21	344

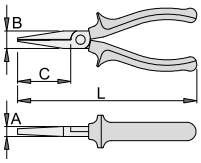
cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm² Ø i	max 650 N/mm² Ø i
610428	180	1,8	3,0
611756	200	2,0	3,5

472/1VDEBI

Long flat nose pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745 and EN IEC 60900



1000V IEC 60900

SKU	L	B	C	A	
610430	160	16	49	9	146

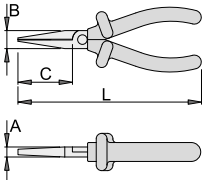
472/1VDEDP

Long flat nose pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 5745 and EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation for additional safety
- gripping surface serrated

Important!
- if second layer is visible, replace your insulated tool with a new one.



1000V IEC 60900

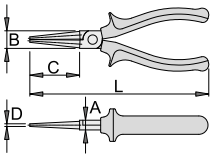
SKU	L	B	C	A	
619182	140	15	39	8	114
619183	160	16	49	9	153

476/1VDEBI

Long round nose pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745 and EN IEC 60900

Advantages:
- long points enable reaching of wires in hard-to-reach places
- minor possibility of damaging wires



1000V IEC 60900

SKU	L	B	A	C	D	
610431	140	15	9	39	2	**116**
610432	160	16	10	49	2.5	**126**

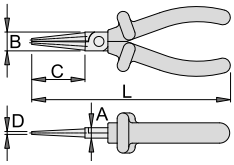
476/1VDEDP

Long round nose pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 5745 and EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation for additional safety
- long points enable reaching of wires in hard-to-reach places
- minor possibility of damaging wires

Important!
- if second layer is visible, replace your insulated tool with a new one.



1000V IEC 60900

SKU	L	B	A	C	D	
619184	140	15	9	39	2	114
619185	160	16	10	49	2.5	139

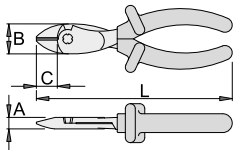
466/1VDEDP

Heavy duty diagonal cutting nippers

- material: premium flex plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 5749 and EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation for additional safety

Important!
- if second layer is visible, replace your insulated tool with a new one.



1000V IEC 60900

SKU	L	B	A	C	
619195	180	28	11	20	303
619196	200	27	11	21	351

cutting capacity (10N=1kg)

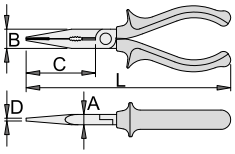
SKU	L	max 2150 N/mm² Ø i	max 650 N/mm² Ø i
619195	180	1,8	3,0
619196	200	2,0	3,5

506/1VDEBI

Long nose pliers with side cutter

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745 and EN IEC 60900

Advantages:
- also for clenching and separating of from cables and other sensitive objects
- gripping surface serrated



SKU	L	B	D	A	C	
610434	140	15	2	8	39	115
610435	160	16	2.5	9	49	137

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
610434	140	1,6	2,0
610435	160	1,6	2,0

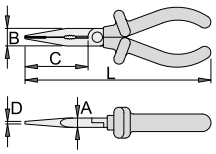
506/1VDEDP

Long nose pliers with side cutter

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 5745 and EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation, which enables additional safety
- also for clenching and separating of from cables and other sensitive objects
- gripping surface serrated

Important!
- if second layer is visible, replace your VDE tool with the new one.



SKU	L	B	D	A	C	
619187	140	15	8	8	39	125
619188	160	16	2.5	9	49	157

cutting capacity (10N=1kg)

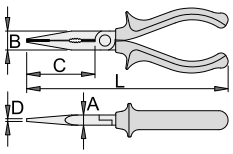
SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
619187	140	1,6	2,0
619188	160	1,6	2,0

508/1VDEBI

Long nose pliers with side cutter and pipe grip, straight

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745 and EN IEC 60900

Advantages:
- also for clenching and separating of from cables and other sensitive objects
- gripping surface serrated



SKU	L	B	D	A	C	
610436	170	17	2.5	9	61	156
610437	200	17	2.5	9	77	191

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
610436	170	1,6	3,0
610437	200	1,8	3,0

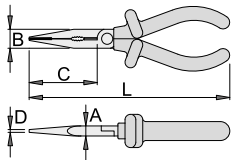
508/1VDEDP

Long nose pliers with side cutter and pipe grip, straight

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 5745 and EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation, which enables additional safety
- also for clenching and separating of from cables and other sensitive objects
- gripping surface serrated

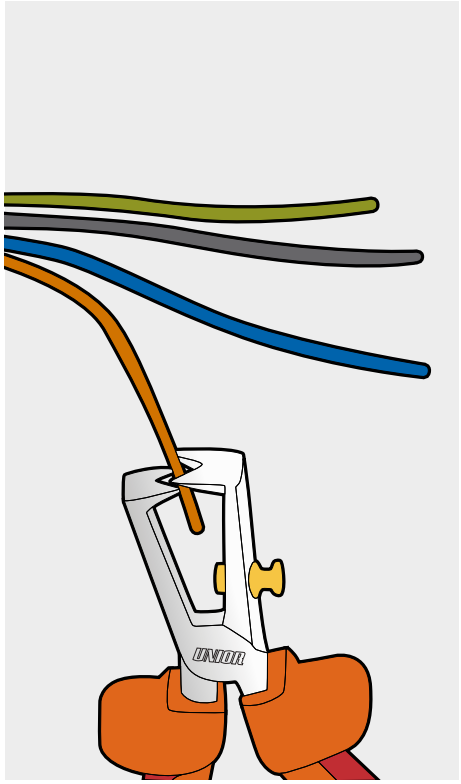
Important!
- if second layer is visible, replace your VDE tool with the new one.



SKU	L	B	D	A	C	
619189	170	17	2.5	9	61	162
619190	200	17	2.5	9	77	201

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
619189	170	1,6	2,0
619190	200	1,8	2,5

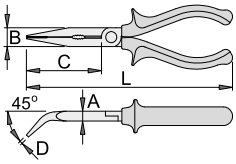


512/1VDEBI

Long nose pliers with side cutter and pipe grip, bent

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745 and EN IEC 60900

Advantages:
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip
- jaws bent to an angle of 45°
- gripping surface serrated



SKU	L	B	D	A	C	
610438	170	17	2.5	9	61	152
610439	200	17	2.5	9	77	204

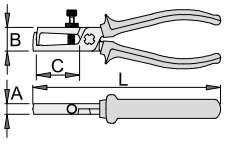
cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
610438	170	1,6	2,0
610439	200	1,8	2,5

478/1VDEBI

Wire stripping pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- stripping capacity: up to max 0.6 - 10mm²
- spring for reopening
- made according to standard EN IEC 60900



SKU	L		B	A	C	
610433	160	0.6 - 10	18	9	40	178

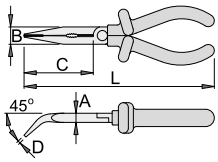
512/1VDEDP

Long nose pliers with side cutter and pipe grip, bent

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard ISO 5745 and EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation for additional safety
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip
- jaws bent to an angle of 45°
- gripping surface serrated

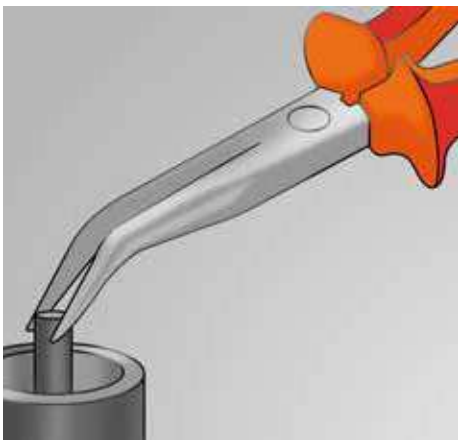
Important!
- if second layer is visible, replace your insulated tool with a new one.



SKU	L	B	D	A	C	
619191	170	17	2.5	9	61	156
619192	200	17	2.5	9	77	201

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
619191	170	1,6	2,0
619192	200	1,8	2,5



MADE FOR WORK.

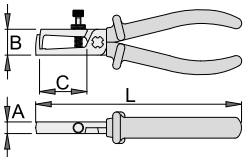
478/1VDEDP

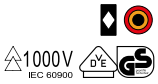
Wire stripping pliers

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- stripping capacity: up to max 0.6 - 10mm²
- made according to standard EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation for additional safety
- spring for reopening

Important!
- if second layer is visible, replace your insulated tool with a new one.

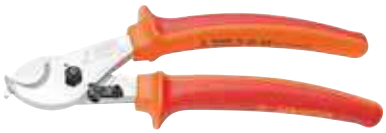




SKU	L	mm²	B	A	C	g
619186	160	0.6 - 10	18	9	40	167

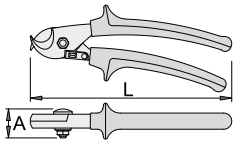
580/1VDEBI

Cable shears

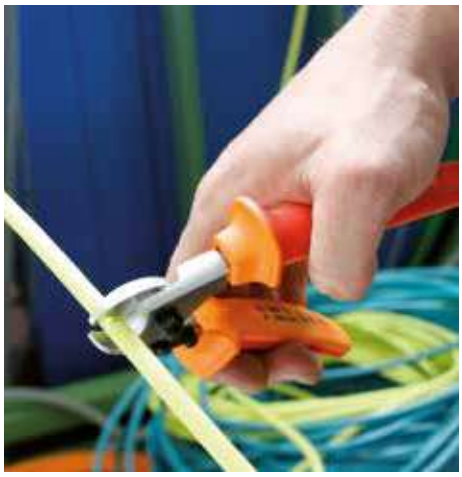


- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard EN IEC 60900

Important!
- for cutting cables without steel wire



SKU	L	A	Omax	g
610440	170	18	10	339
610441	230	22	17	444



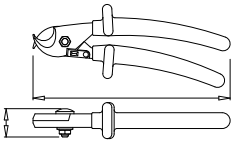
580/1VDEDP

Cable shears

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- made according to standard EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation for additional safety

Important!
- if second layer is visible, replace your insulated tool with a new one.
- for cutting cables without steel wire



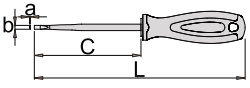
SKU	L	A	Omax	g
619197	170	18	10	226
619198	230	22	17	409

604VDETBI

SLIM electrician´s screwdriver with insulated blade, VDE TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018

Advantages:
- model with slim blade
- Although of the slim blade, screwdriver enables the same functionality and safety by working as usual insulated screwdriver.
- slim blade enables work in hard to reach places.



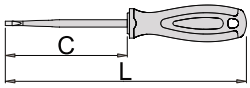
SKU	axb	C	L	g
624063	0.6 x 3.5	100	185	37
624064	0.8 x 4.0	100	185	39
624065	1.0 x 5.5	125	225	74

611VDETBI

Flat-crosstip (SL/PH) SLIM screwdriver with insulated blade, VDE TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018

Advantages:
- model with slim blade
- Although of the slim blade, screwdriver enables the same functionality and safety by working as usual insulated screwdriver.
- slim blade enables work in hard to reach places.



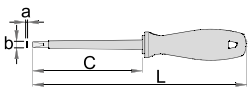
1000V IEC 60900

SKU	+	C	L	
624071	SLPH 1	80	180	56
624072	SLPH 2	100	210	88

603VDE

Electrician´s screwdriver with insulated blade, VDE

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- handle: polypropylene
- hanging hole
- made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018



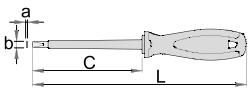
1000V IEC 60900

SKU	axb	C	L	
616470	0.4 x 2.5	75	160	33
616471	0.5 x 3.0	100	185	37
616472	0.6 x 3.5	100	185	39
616473	0.8 x 4.0	100	185	43
616474	1.0 x 5.5	125	225	75
616475	1.2 x 6.5	150	260	113
616476	1.2 x 8.0	175	295	163
616477	1.6 x 10.0	200	320	115

603VDETBI

Electrician´s screwdriver with insulated blade, VDE TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018
- made according to standard ISO 8764-1,2



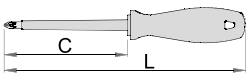
1000V IEC 60900

SKU	axb	C	L	
616436	0.4 x 2.5	75	160	33
616437	0.5 x 3.0	100	185	37
616438	0.6 x 3.5	100	185	39
616439	0.8 x 4.0	100	185	43
621247	1.0 x 4.5	125	225	75
616440	1.0 x 5.5	125	225	75
616441	1.2 x 6.5	150	260	113
616442	1.2 x 8.0	175	295	163
621248	1.6 x 10.0	200	320	115

613VDE

Crosstip (PH) screwdriver with insulated blade, VDE

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- handle: polypropylene
- hanging hole
- made according to standard ISO 8764-1,2 and EN IEC 60900



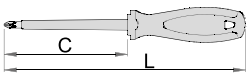
1000V IEC 60900

SKU	+	C	L	
616478	PH0	60	145	34
616479	PH1	80	165	40
616480	PH2	100	200	94
616481	PH3	150	260	104

613VDETBI

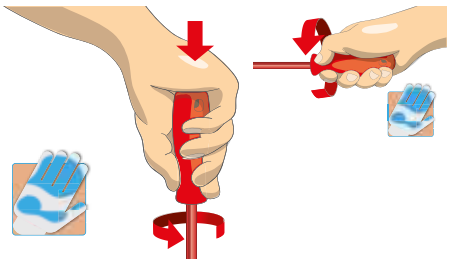
Crosstip (PH) screwdriver with insulated blade, VDE TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2 and EN IEC 60900



1000V IEC 60900

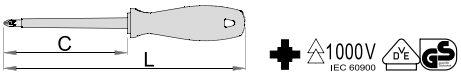
SKU	+	C	L	
616443	PH0	60	145	34
616444	PH1	80	180	60
616445	PH2	100	210	94
616446	PH3	150	270	104
616447	PH4	200	320	230



623VDE

Double-crosstip (PZ) screwdriver with insulated blade, VDE

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- handle: polypropylene
- hanging hole
- made according to standard ISO 8764-1,2 and EN IEC 60900

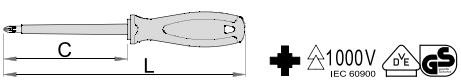


SKU		C	L	
616482	PZ0	60	145	34
616483	PZ1	80	165	60
616484	PZ2	100	200	93
616485	PZ3	150	260	156

623VDETBI

Double-crosstip (PZ) screwdriver with insulated blade, VDE TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2 and EN IEC 60900

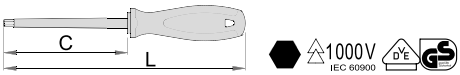


SKU		C	L	
616460	PZ0	60	145	34
616461	PZ1	80	180	60
616462	PZ2	100	210	93
616463	PZ3	150	270	156

620VDETBI

Hex screwdriver with insulated blade VDE TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018

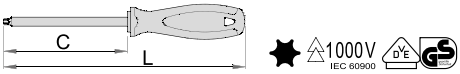


SKU		C	L	
616448	2.5	75	160	34
616449	3	75	175	37
616450	4	75	175	68
616451	5	75	185	93
616452	6	100	210	128
616453	8	100	210	203

621VDETBI

Screwdriver with insulated blade VDE TBI with TX profile

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blacken tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018

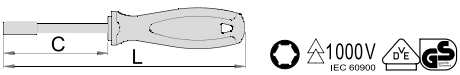


SKU		C	L	
616454	TX 10	60	140	35
616455	TX 15	80	180	37
616456	TX 20	80	180	43
616457	TX 25	80	180	63
616458	TX 27	100	210	76
616459	TX 30	100	210	98

629VDETBI

Insulated socket wrench with VDE TBI handle

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018
- made according to standard DIN 3125

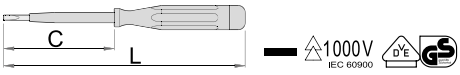


SKU		C	L	
616464	5.5	125	225	103
616465	6	125	225	103
616466	7	125	235	123
616467	8	125	235	140
623341	9	125	235	124
616468	10	125	235	157
623342	11	125	235	159
616469	13	125	245	186
623445	14	125	245	166

630VDE

Voltage tester 220 - 250 V

- dimension 140 with clip
- made according to standard DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018



SKU	axb	C	L	
617659	0.5 x 3.0	60	140	13
617660	0.6 x 3.5	90	180	24

630VDE140ST

Set of voltage testers on carton display

Set includes:
› 18x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140

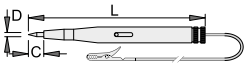
SKU	
623907	18

631B

Car light tester 6 - 12/24 V

› Indispensable tool in every car workshop
› Safety cover for the tip of the tester, intended to prevent injuries to users
› Used for checking electrical installations in all 6 - 24 V systems in the car

Usage:
› Connect the clip to any ground point.
› Pierce the wire insulation with the tip of the tester to find live wires
› Keep piercing the insulation along the wire until the tester stops being illuminated, which indicates that the wire is broken.
› Use for other purposes or at different voltages may be life threatening.
› The product may not be used for verifying the grid voltage!

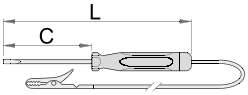


SKU	V⎓	C	D	L	
619856	6 - 24	12	1.8	110	38

631

Car light tester 6 - 12/24 V

› Use only on proven automobile installations for voltages of up to 12V and up to 24V
› Use for other purposes or at different voltages may be life threatening.
› The product may not be used for verifying the grid voltage!



SKU	V⎓	axb	C	L	
601688	6 - 12	0.5 x 3.0	60	140	25
601689	6 - 24	0.6 x 3.5	90	180	25

603CS6AVT

Set of screwdrivers VDE TBI

Set includes:
› 4x VDETBI electrician´s screwdriver with insulated blade (article 603VDETBI) dim. 0.4x2.5x75, 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125
› 2x VDETBI crosstip (PH) screwdriver with insulated blade (article 613VDETBI) dim. PH 1x80, PH 2x100

SKU	
617653	6

603CS6ATVD

Set of screwdrivers VDE with voltage tester

Set includes:
› 3x electrician´s screwdriver with insulated blade VDE (article 603VDE) VDE dim. 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125
› 2x crosstip (PH) screwdriver with insulated blade VDE (article 613VDETBI) dim. PH 1x80, PH 2x100
› 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140

SKU	
617656	6

603CS6ATVT

Set of screwdrivers VDE TBI with voltage tester

Set includes:
› 3x electrician´s screwdriver with insulated blade VDETBI (article 603VDETBI) dim. 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125
› 2x VDETBI crosstip (PH) screwdriver with insulated blade (article 613VDETBI) dim. PH 1x80, PH 2x100
› 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140

SKU	
617654	6

603CS6AVDE

Set of screwdrivers VDE

Set includes:
› 4x electrician´s screwdriver with insulated blade VDE (article 603VDE) VDE dim. 0.4x2.5x75, 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125
› 2x crosstip (PH) screwdriver with insulated blade VDE (article 613VDETBI) dim. PH 1x80, PH 2x100

SKU	
617655	6

603CS6TVDE

Set of screwdrivers VDE with voltage tester

Set includes:
- 4x electrician´s screwdriver with insulated blade VDE (article 603VDE) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x crosstip (PH) screwdriver with insulated blade VDE (article 613VDETBI) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140

SKU	
617045	6

603CS6VDETBI

Set of screwdrivers VDE TBI

Set includes:
- 4x VDETBI electrician´s screwdriver with insulated blade (article 603VDETBI) dim. 0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x VDETBI crosstip (PH) screwdriver with insulated blade (article 613VDETBI) dim. PH 1x80, PH 2x100

SKU	
617042	6

629CS6VDETBI

Set of insulated socket wrenches with VDE TBI handle

Set includes:
- 6x insulated socket wrench with VDE TBI handle (article 629VDETBI) dim. 5.5, 6, 7, 8, 10, 13

SKU		
617050	5.5 - 13	6

603CS6TVDETBI

Set of screwdrivers VDE TBI with voltage tester

Set includes:
- 3x VDETBI electrician´s screwdriver with insulated blade (article 603VDETBI) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x VDETBI crosstip (PH) screwdriver with insulated blade (article 613VDETBI) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140

SKU	
617043	6

620CS6VDETBI

Set of insulated hex screwdrivers VDE TBI

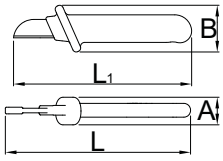
Set includes:
- 6x hex screwdriver with insulated blade VDE TBI (article 620VDETBI) dim. 2.5, 3, 4, 5, 6, 8

SKU		
617048	2.5 - 8	6

385AVDEDP

Insulated knife

- blade from high alloy steel
- double layered - double coloured insulation for additional safety
- with blade guard



SKU	L	
619101	180	145

603CS6VDE

Set of screwdrivers VDE

Set includes:
- 4x electrician´s screwdriver with insulated blade VDE (article 603VDE) dim. 0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x crosstip (PH) screwdriver with insulated blade VDE (article 613VDETBI) dim. PH 1x80, PH 2x100

SKU	
617044	6

621CS6VDETBI

Set of insulated screwdrivers VDE TBI with TX profile

Set includes:
- 6x screwdriver with insulated blade VDE TBI with TX profile (article 621VDETBI) dim. TX10, TX15, TX20, TX25, TX27, TX30

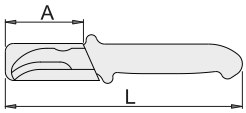
SKU		
617049	TX 10 - TX 30	6

385CVDEDP

Insulated knife

- blade from high alloy steel
- double layered - double coloured insulation for additional safety
- surface finish: phosphated to standard ISO 9717
- with blade guard
- blade hardened at min. 55 HRc
- rounded blade, 60mm long
- ergonomic handle, with slip guard
- handle with finger hook for good transmission of force
- Material of steel blade provides maximum sharpness and durability by dismantling of cables
- blade protected with PVC protection

Usage:
- for dismantling PVC cable insulation



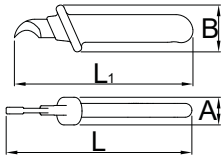
1000V IEC 60900

SKU	L	A	
625610	220	60	180

385VDEDP

Insulated knife

- blade from high alloy steel
- double layered - double coloured insulation for additional safety
- with blade guard



1000V IEC 60900

SKU	L	
615494	180	105

750VDP

Insulated saw

- made according to standard DIN EN IEC 60900

Advantages:
- double layered - double coloured insulation, for additional safety

Important!
- if second layer is visible, replace your insulated tool with a new one.

1000V IEC 60900

SKU	L	L1	
619098	460	270	815

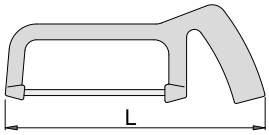
753VDP

Insulated saw

- replaceable blade
- made according to standard DIN EN IEC 60900

Advantages:
- double layered - double coloured insulation, for additional safety

Important!
- if second layer is visible, replace your insulated tool with a new one.



1000V IEC 60900

SKU	L	
615502	150	320

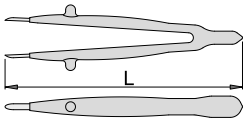
1340VDP

Straight tweezers

- material: stainless steel
- made according to standard DIN EN IEC 60900

Advantages:
- double layered - double coloured insulation enable additional safety
- controlled according to standard EN IEC 60900

Important!
- if second layer is visible, replace your VDE tool with the new one.



1000V IEC 60900

SKU	L	
616847	165	45

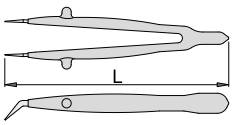
1341VDP

Bent tweezers

- material: stainless steel
- made according to standard DIN EN IEC 60900

Advantages:
- double layered - double coloured insulation enable additional safety
- controlled with electrical test

Important!
- if second layer is visible, replace your VDE tool with the new one.



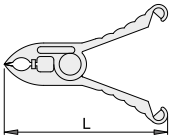
1000V IEC 60900

SKU	L	
616848	150	40

1351V

Plastic clamp

› plastic material



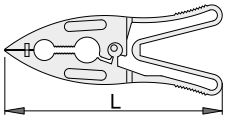
1000V IEC 60900

SKU	L	
619099	160	77

1352V

Plastic clamp

› plastic material



1000V IEC 60900

SKU	L	
619100	140	54

906VDEBI

Tool set VDE BI in bag.

Set includes:
› 1x combination pliers (article 406/1VDEBI) dim. 180
› 1x diagonal cutting nippers (article 461/1VDEBI) dim. 160
› 2x electrician´s screwdriver with insulated blade VDETBI (article 603VDETBI) dim. 0.4x2.5x75, 0.8x4.0x100
› 1x crosstip (PH) screwdriver with insulated blade VDETBI (article 613VDETBI) dim. PH 2x100
› 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140

1000V IEC 60900

SKU	
617573	6

964VDE2

Set of insulated offset ring wrenches in SOS tool tray

› Tool tray dimension: 374 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 11x insulated single offset ring wrench (article 180/2VDEDP) dim. 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24

940E
940EV
920PLUS
2/3
374 x 364 x 30

1000V IEC 60900

SKU		
621784	10 - 24	11

905VDEBI

Tool set VDE BI in bag

Set includes:
› 1x combination pliers (article 406/1VDEBI) dim. 180
› 1x diagonal cutting nippers (article 461/1VDEBI) dim. 160
› 1x wire stripping pliers (article 478/1VDEBI) dim. 160
› 1x long flat nose pliers (article 472/1VDEBI) dim. 160
› 3x electrician´s screwdriver with insulated blade VDETBI (article 603VDETBI) dim. 0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125
› 2x VDETBI crosstip (PH) screwdriver with insulated blade (article 613VDETBI) dim. PH 1x80, PH 2x100
› 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140
› 1x measuring tape (article 710P) dim. 3m
› 1x insulated saw (article 753VDP) dim. 150
› 1x insulated knife (article 385VDEDP) dim. 180

1000V IEC 60900

SKU	
617571	13

964VDE1

Set of insulated open end wrenches in SOS tool tray

› Tool tray dimension: 374 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 15x insulated single open end wrench (article 110/2VDEDP) dim. 6, 7, 8, 10, 12, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24

940E
940EV
920PLUS
2/3
374 x 364 x 30

1000V IEC 60900

SKU		
621782	6 - 24	15

964VDE3

Set of insulated pliers in SOS tool tray

› Tool tray dimension: 564 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 1x combination pliers (article 406/1VDEDP) dim. 180
› 1x linemen`s pliers (article 420/1VDEDP) dim. 180
› 1x waterpump box joint pliers (article 447/1VDEDP) dim. 240
› 1x diagonal cutting nippers (article 461/1VDEDP) dim. 160
› 1x heavy duty diagonal cutting nippers (article 466/1VDEDP) dim. 180
› 1x long flat nose pliers (article 472/1VDEDP) dim. 160
› 1x long round nose pliers (article 476/1VDEDP) dim. 160
› 1x wire stripping pliers (article 478/1VDEDP) dim. 160
› 1x long nose pliers with side cutter (article 506/1VDEDP) dim. 160
› 1x straight long nose pliers with side cutter and pipe grip (article 508/1VDEDP) dim. 170
› 1x long nose pliers with side cutter and pipe grip, bent (article 512/1VDEDP) dim. 170
› 1x cable shears (article 580/1VDEDP) dim. 170

940E 940EV 920PLUS | 3/3 | 564 x 364 x 30 | 1000V IEC 60900

SKU	
621786	12

964VDE8A

Set of insulated flat screwdriver VDETBI in SOS tool tray

› Tool tray dimension: 374 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

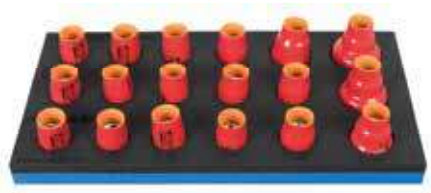
Set includes:
› 9x VDETBI electrician´s screwdriver with insulated blade (article 603VDETBI) dim. 0.4x2.5x75, 0.5x3.0x100, 0.6x3.5x100, 0.8x4.0x100, 1.0x4.5x125, 1.0x5.5x125, 1.2x6.5x150, 1.2x8.0x175, 1.6x10.0x200
› 2x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140, 0.6x3.5x180

940E 940EV 920PLUS | 2/3 | 374 x 364 x 30 | 1000V IEC 60900

SKU	
621800	11

964VDE5

Set of insulated socket wrenches 1/2" in SOS tool tray



› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 18x insulated socket 1/2", 6 point (article 190/2VDEDP) dim. 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32

940E 940EV 920PLUS | 1/3 | 188 x 364 x 30 | 1000V IEC 60900

SKU		
621790	8 - 32	18

964VDE7

Set of insulated hexagon wrenches SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 7x insulated hex wrench (article 220/3LVDEDP) dim. 3, 4, 5, 6, 8, 10, 12

940E 940EV 920PLUS | 1/3 | 188 x 364 x 30 | 1000V IEC 60900

SKU		
621789	3 - 12	7

964VDE8B

Set of insulated crosstip screwdriver VDETBI in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 4x crosstip (PH) screwdriver with insulated blade, VDE TBI (article 613VDETBI) dim. PH 0x60, PH 1x80, PH 2x100, PH 3x150
› 4x double-crosstip (PZ) screwdriver with insulated blade, VDE TBI (article 623VDETBI) dim. PZ 0x60, PZ 1x80, PZ 2x100, PZ 3x150

940E 940EV 920PLUS | 1/3 | 188 x 364 x 30 | 1000V IEC 60900

SKU	
621802	8

SHEARS

Durability, durability, durability ...

One of the key qualities that characterises Unior snips, cutters and shears is their durability. As these tools are mainly used on construction sites, their practicality and continuous innovation are crucial to enable them to get the job done quickly and to effectively address potential problems on site. This is why this tool has a 10 times longer service life compared to other tools.

- **PRECISE CUTTING –** where the Unior cutters ensure reliable and accurate cutting of sheet metal, rebar, wires, cables and PVC pipes.
- **LESS EFFORT AT WORK –** the cutters allow for easy cutting of the prescribed dimensions of sheet metal, iron and wire, because they have precisely calculated power transfer from the handles, through the joints, to the blades.
- **INSERTED BLADES –** thus providing greater strength and cutting capabilities, and a less required strength when squeezing the handles.

WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

TIN SNIPS	**144 - 145**
ELECTRICIAN'S SCISSORS	**146 - 147**
PVC PIPE CUTTERS	**146**
CABLE SHEARS	**146**
BOLT CUTTERS	**148 - 150**
PRUNING SHEARS	**151**

Premium Hard +

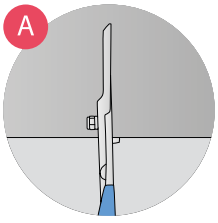
Premium Hard Plus carbon steel

Effortless cutting

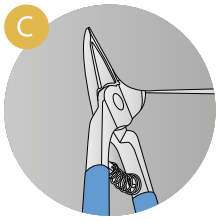
In addition to carbon, manganese, silicon and chrome, this special carbon steel also contains vanadium, which considerably improves the pinching characteristics of the tool by increasing its carbide hardness. Pincers made from this steel prove their excellent efficiency, even when used on the hardest of wires. The high carbon content results in both a higher tensile strength of the material and in increased durability. Improvements made subsequent to the inductive forging process lead to extraordinarily high jaw hardness.

Special carbon steel, in accordance with EU Directive 2000/53/EC and the EN 10058 standards

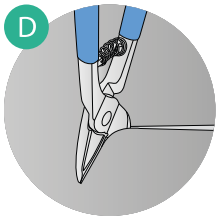
- 0,80% carbon for higher tensile strength and durability
- 0,70% manganese for higher tensile strength and ductility
- 0.30% silicon for higher elasticity
- 0,25% chrome for higher tensile strength and lower susceptibility to cracking



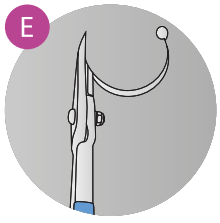
For long, straight continuous cuts.



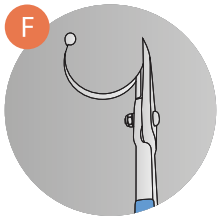
For straight continuous and shaped cuts.



For straight continouous and shaped cuts.



For short, straight and shaped cuts.



For short, straight and shaped cuts.

A special procedure for the manufacture of shears

Jaws

1. Cutting: Cutting material is the first operation in the technological procedure of wrench manufacturing. Optimum design of a cut provides optimal use of material.

2. Forging: Forging technology at Unior ensures excellent strength characteristics of wrenches. Notably, it maintains appropriate fiber orientation in a forged part, leaving it uninterrupted and the same as in a rolled blank. That characteristic of forged parts is vital for achieving the characteristics of products exposed to heavy and dynamic loads.

3. Trimming: Superfluous material around a forged part is removed using a special-purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

4. CNC machining: A jaw is treated in a single clamping device on a CNC machine, thus ensuring manufacture within the necessary tolerance margins of size and positioning.

5. Heat treatment (quenching and tempering): The heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

Joints

6. Forging part: The forging part is made by drop forging - cutting, forging, trimming and calibrating.

7. CNC working: The entire working of the jaw is done using CNC machines. Clamping devices on the machines provide the accuracy required for the quality operation of the cutters.

Handle-joint assembly

8. Mounting the handle onto the joint and pressing: The handle is firmly mounted onto the joint. The handle is then pressed onto the joint, which ensures that the mounted handle does not come loose under even the greatest strain.

9. Bending the handle: The handle is bent to the required functional angle with a special bending device, which provides the user with ergonomic applicability.

10. Coating: A protective colour is applied using powder coating technology, which gives the product a professional appearance and also serves as surface protection.

11. Mounting the sleeve: A PVC sleeve is mounted on the handle that gives a user a good and ergonomic grip.

12. Manufacturing screws and nuts: Is done using CNC machines, which, besides quality material and heat treatment, ensures the optimum bonds between the individual elements of the cutter.

13. Assembly: The trained, skilled and meticulous workers performing the final assembly put together the individual parts, examine the main characteristics and turn the Unior cutter into a high quality product.

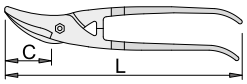
563R-PLUS/7DP

Universal tin snips

- material: premium hard chrome vanadium steel
- drop forged
- blades induction hardened
- double plastic dipped handles

Advantages:
- 10 times greater durability
- inserted HSS blade hardness 64 HRC
- extremely stronger inserted blade
- faster and more comfortable use
- wide range of use
- ergonomically designed handles for faster and easier use
- Inserted blade for longer working life.

Usage:
- for cutting sanded sheet metal by 400N/mm² thickness up to 1,5mm



SKU	L	C	
615039	280	47	582

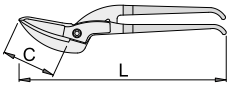
592R-PLUS/7DP

Tin snips "pelican" type

- material: premium hard chrome vanadium steel
- drop forged
- blades induction hardened
- double plastic dipped handles
- surface finish: lacquered

Advantages:
- 10 times greater durability
- inserted HSS blade hardness 64 HRC
- extremely stronger inserted blade
- faster and more comfortable use
- wide range of use
- ergonomically designed handles for faster and easier use
- Inserted blade for longer working life.

Usage:
- for cutting sanded sheet metal by 400N/mm² thickness up to 1,5mm



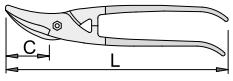
SKU	L	C	
613196	350	65	880

563L/7PR

Universal tin snips

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- blade induction hardened
- protection against corrosion
- handles plastic dipped

Usage:
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



SKU	L	C	
615038	280	47	567

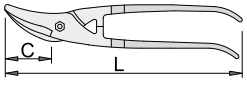
563L-PLUS/7DP

Universal tin snips

- material: premium hard chrome vanadium steel
- drop forged
- double plastic dipped handles
- blades induction hardened

Advantages:
- 10 times greater durability
- inserted HSS blade hardness 64 HRC
- extremely stronger inserted blade
- faster and more comfortable use
- wide range of use
- ergonomically designed handles for faster and easier use
- Inserted blade for longer working life.

Usage:
- for cutting sanded sheet metal by 400N/mm² thickness up to 1,5mm



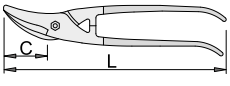
SKU	L	C	
615040	280	47	577

563R/7PR

Universal tin snips

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- blade induction hardened
- protection against corrosion
- handles plastic dipped

Usage:
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



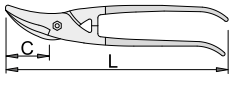
SKU	L	C	
615037	280	47	567

572L/7PR

Shape tin snips

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- blade induction hardened
- protection against corrosion
- handles plastic dipped

Usage:
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



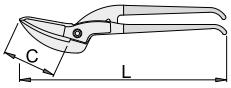
SKU	L	C	
615042	280	48	502

592R/7PR

Tin snips "pelican" type

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- blade induction hardened
- protection against corrosion
- handles plastic dipped

Usage:
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



A

SKU	L	C	
615035	350	65	880

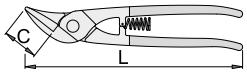
568R/7P

Tin snips "ideal" type

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- blade induction hardened
- head surface finish: finely ground
- protection against corrosion
- handles plastic dipped

Advantages:
- spring for reopening

Usage:
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



A C

SKU	L	C	
609336	250	30	532

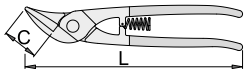
569R/7P

Tin snips "berliner" type

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- blade induction hardened
- head surface finish: finely ground
- protection against corrosion
- handles plastic dipped

Advantages:
- spring for reopening

Usage:
- for cutting sheet metal by 400N/mm² thickness up to 1,25mm



A

SKU	L	C	
609334	250	55	452

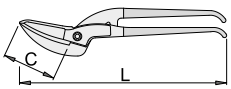
567R/7P

Tin snips "pelican" type

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- blade induction hardened
- head surface finish: finely ground
- protection against corrosion
- handles plastic dipped

Advantages:
- spring for reopening

Usage:
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



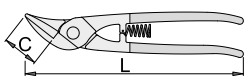
A

SKU	L	C	
609335	290	56	672

568L/7P

Tin snips "ideal" type

- material: premium plus carbon steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- protection against corrosion
- handles plastic dipped
- spring for reopening
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



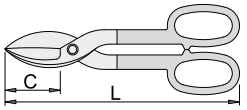
A D

SKU	L	C	
610945	250	30	532

573/7P

Tin snips straight

- material: premium plus carbon steel
- drop forged
- blade induction hardened
- handles plastic dipped



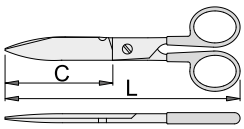
A D

SKU	L	C	
615158	175	40	265
615159	200	40	318
615160	250	51	497
615161	300	70	627
615162	350	76	802

582/3P

Electricians` scissors

› material: premium flex plus carbon steel
› drop forged
› cutting edges induction hardened
› surface finish: nickel plated
› handles plastic dipped

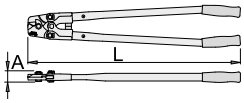


SKU	L	C	
601127	145	52	81

585/6P

Wire rope shears

› material: premium plus carbon steel
› jaws exchangeable
› cutting edges separately induction hardened
› steel handles, lacquered, heavy duty plastic handles



SKU	L	A	Ø max	
617672	760	36	8	3475

585.1/7P

Spare jaw for 585/6P

SKU	⟷	
618622	765	643

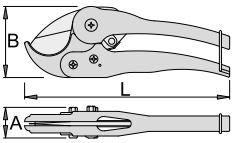
583/6

PVC pipe cutter

› material: blade from premium plus carbon steel

Advantages:
› step cutting mechanism
› right angle cuts are assured

Usage:
› intended for cutting PVC pipes (dim. 195 up to 1" and dim. 210 up to 1, 5" of thickness)



SKU	L	⏀	
605418	195	1	295
609405	210	1.5	385

583.1/7A

Spare cutter for 583/6

SKU	⏀	L	
605419	1	195	64

583.1/7B

Spare cutter for 583/6

SKU	⏀	L	
609406	1.5"	210	67

585.1/7

Spare jaw for 585/6

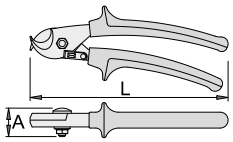
SKU	⟷	
618620	550	354
618621	800	810

580/1BI

Cable shears

› material: premium plus carbon steel
› drop forged, entirely hardened and tempered
› cutting edges induction hardened
› surface finish: chrome plated according to ISO 1456:2009
› head polished
› heavy duty double - component handles
› jet stamp UNIOR

Important!
› for cutting cables without steel wire



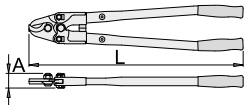
SKU	L	A	Øi	
609238	170	22	10	339
609239	230	22	17	444

585/6

Cable shears

› material: cutter from premium plus carbon steel
› steel handles, lacquered, heavy duty plastic handles
› cutting edges separately induction hardened
› jaws exchangeable

Important!
› for cutting cables without steel wire or inside steel coat



SKU	L	A	O max	
615226	550	38	23	2080
616732	800	42	39	3660

586/6

Threaded rod cutter

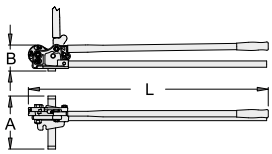
- made from special forged tool steel, fitted with exchangeable jaws that smoothly cut even the toughest threaded rods up to class 8,8
- drop forged, entirely hardened and tempered
- the cutter jaws are extra hardened and tempered for enhanced durability
- the tool handles are made of powder coated steel tubes and fitted with plastic sleeves for a comfortable grip

Advantages:
- capable to cut threaded rods of three different dimensions
- clean cutting – no burring on the threaded rod
- Preservation of the thread of the threaded rod
- protected against corrosion
- easy to operate with and comfortable handling
- precise and fast cutting of threaded rods
- the lever handle has suitable length to allow quick and uniform cutting, therefore less force is needed to cut the threaded rods
- proper opening of the cutter
- to operate correctly, the cutter should be opened by raising the top lever handle to its maximum extent. When it is fully open, insert the threaded rod into the cutter opening of the corresponding dimension

Cutting threaded rods
- 1. Insert the threaded rod into the opening of the corresponding dimension.
- 2. The threaded rod should fit tightly into the cutter thread.

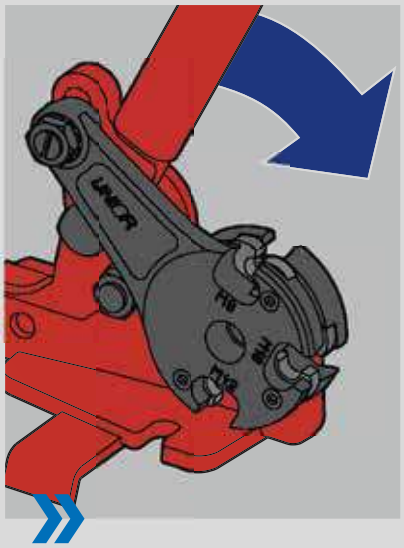
Important notes when cutting
- 1. When operating on the floor, apply foot pressure on the bracket.
- 2. The cutter (code 620256) is designed to cut only M8, M10, M12 threaded rods, code 621479 cut M6, M8, M10.
- 3. The cutter is not designed to cut hardened threaded rods or bolts.
- 4. When the cutters are worn out, always replace both cutter jaws.
- possibility of replacement of damaged cutter jaws
- material: premium plus carbon steel
- cutting of M8, M10, M12 threaded rods (code 620256), M6, M8, M10 (code 621479)
- clean cut, free of burrs
- preservation of threads
- simple operation

Caution!
- prior to operation, read the instructions
- when operating, always use appropriate protective equipment

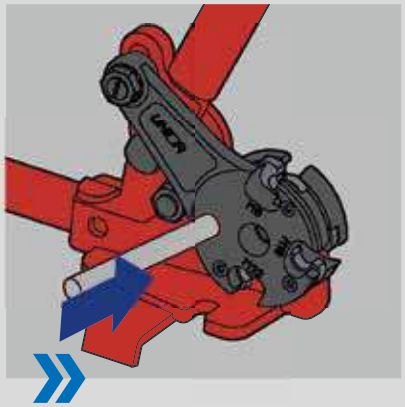


mm

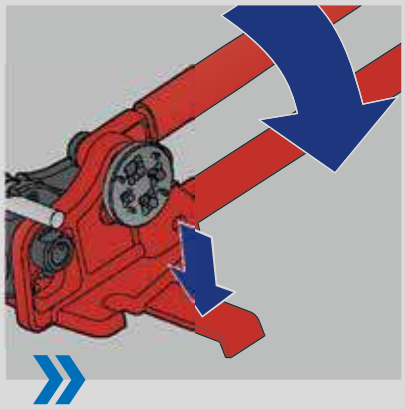
SKU	⟷	⟷	⟷	L	B	A	
621479	M 6	M 8	M 10	945	95	210	5100
620256	M 8	M 10	M 12	945	95	210	5750



To operate correctly, the cutter should be opened by raising the top lever handle to its maximum extent. When it is fully open, insert the threaded rod into the cutter opening of the corresponding dimension.



1. Insert the threaded rod into the opening of the corresponding dimension.
2. The threaded rod should fit tightly into the cutter thread.



Important notes when cutting! When operating on the floor, apply foot pressure on the bracket.

586.1/7

Cutter for 586/6

SKU		
621480	M6	31
620653	M8	32
620654	M10	36
620655	M12	38

586.2/4

Screw set 6 pieces for 586.1/7

SKU	
622705	18

586.3/7

Thread corrector for 586/6

SKU	
623121	112

596.1PLUS/7

Spare jaw for 596PLUS/6G

› jaw + 2 screws + 2 nuts

SKU		
615258	750	1468
615259	900	1956

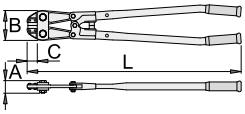
596PLUS/6G

Bolt cutters with interchangeable triangular cutting edges

› material: premium hard chrome vanadium steel
› jaws exchangeable and adjustable in three position, entirely hardened and tempered
› steel handles, lacquered, heavy duty plastic handles

Advantages:
› extreme strength and minimum weight
› outstanding resistance to the maximum forces generated during cutting
› complete anti-corrosion resistance
› straightforward guidance and proper handling
› shock absorber for the prevention of injuries
› triangular blade - threefold longer service life
› the procedure for adjusting the jaw cutting edges

How to adjust the cutting edges?
› Release the safety nut.
› Take the screw out of the groove and turn it until there is no spacing between the cutting edges
› Secure the safety nut.



SKU	L	A	B	C	
615256	750	43	96	46	4060
615257	900	47	109	50	6300

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
615256	750	8	13
615257	900	9	16

596.2PLUS/7

Spare cutting edges for 596PLUS/6G

› spare part includes: 2 cutting edges, 4 plates for cutting edges, 4 screws, 4 nuts

SKU	⟷	
615260	750	116
615261	900	126

596.3PLUS/7

Spare cutting edge for 596PLUS/6G

› spare part includes 1 cutting edge

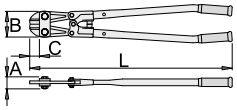
SKU	⟷	
616521	750	22
616522	900	28

596/6A

Bolt cutter

› material: cutters from premium plus carbon steel
› cutting edges separately induction hardened
› steel handles, lacquered, heavy duty plastic handles

Advantages:
› shock-absorbers on the joints absorb shocks on the handles, which happen when cutting reinforcing rod
› protection of the eccentric screws for adjustment of blades with forged recesses ensures 100% protection against unscrewing



SKU	L	A	B	C	
610963	300	26	40	16	737
610964	350	26	55	24	805
610965	450	34	70	36	1500
610966	600	38	84	40	2600
610967	750	43	96	46	3950
610968	900	47	109	50	6300
612984	1050	48	120	46	6900

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
610963	300	3	5
610964	350	3,5	5
610965	450	5	8
610966	600	7	10
610967	750	8	13
610968	900	9	16
612984	1050	10	19

596.1/7A

Spare parts for 596/6A

› jaw + 2 screws + 2 nuts

SKU	⟷	
610969	300	265
610970	350	265
610971	450	547
610972	600	877
610973	750	1391
610974	900	1887
613078	1050	2144

596.1/7B

Spare parts for 596/6B

› jaw + 2 screws + 2 nuts

SKU	⟷	
610977	450	542
610978	600	858

598.1/7

Spare parts for 598/6

› jaw + 2 screws + 2 nuts

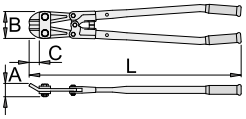
SKU	⟷	
607968	600 - 1000	931

596/6B

Bolt cutter

› material: cutter from premium plus carbon steel
› cutting edges separately induction hardened
› steel handles, lacquered, heavy duty plastic handles

Advantages:
› shock-absorbers on the joints absorb shocks on the handles, which happen when cutting reinforcing rod
› protection of the eccentric screws for adjustment of blades with forged recesses ensures 100% protection against unscrewing



SKU	L	A	B	C	
610975	450	34	70	29	1500
610976	600	36	84	32	2600

cutting capacity (10N=1kg)

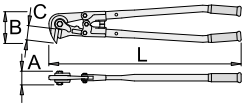
SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
610975	450	5	8
610976	600	7	10

598/6

Bolt cutter

› material: cutter from premium plus carbon steel
› jaws exchangeable and adjustable
› cutting edges separately induction hardened
› steel handles, lacquered, heavy duty plastic handles

Advantages:
› shock-absorbers on the joints absorb shocks on the handles, which happen when cutting reinforcing rod



SKU	L	A	B	C	
608442	1000	46	100	43	4130

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
608442	1000	11	13

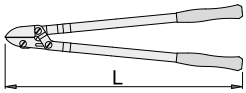
555/6

Tree pruner

- material: blade from premium plus carbon steel
- aluminium bottom jaw, steel handles
- jaws entirely hardened and tempered
- blade induction hardened, sharply ground, coated with PTFE
- lacquered handles with heavy duty handles

Advantages:
- cutting capacity up to R 40 mm
- double joint performance

Usage:
- for trimming branches



SKU	L	
603522	750	1895

550.2/9

Spare blade for 550/3PR

SKU	
601592	28

555.1/9

Spare blade for art. 555/6

SKU	
605214	225

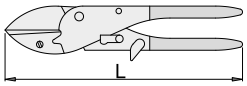
550/3PR

Anvil pruner

- material: blade from premium plus carbon steel
- aluminium moveable jaw
- cutting parts entirely hardened and tempered
- blade coated with PTFE
- surface finish: nickel plated
- handles plastic dipped

Advantages:
- lock to prevent accidental opening
- anti-slip guard

Usage:
- use for general garden cutting

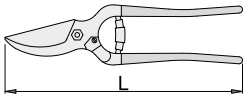


SKU	L	
601590	200	287

542/4PR

Pruning shears

- material: premium plus carbon steel
- drop forged
- cutting edges induction hardened
- surface finish: phosphated to standard ISO 9717
- handles plastic dipped



SKU	L	
601578	220	310

SCREWDRIVERS

A traditional symbol of hand tools!

Screwdrivers are still the perfect symbol of hand tools and their varied use. With them, we can perform difficult work and servicing of larger devices to extremely small ones, like mobile phones. It is certainly the oldest representation of a hand tool and the grandfather of all other tools. This is precisely why screwdrivers have a special place among all hand tools. In view of progress, both in the field of sustainability and the increasing need for electrification, screwdrivers also need constant development and innovation. In this way, new profiles that are used today are additionally included. Nevertheless, its basic form remains the same.

- **THE INNOVATIVE AND PATENTED THREE-COMPONENT HANDLE** ensures exceptional screwdriving performance with the best grip.
- **DURABLE TIPS –** as the tips of the screwdrivers are additionally inductively tempered and protected to ensure an accurate fit to the profile of the screw heads and to prevent slipping and wear of the tip when screwdriving.
- **A HOLE IN THE HANDLE –** is designed for hanging on various hooks.

WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

SCREWDRIVERS FLAT	**156 - 157**
SCREWDRIVERS CROSSTIP	**158 - 161**
SCREWDRIVERS WITH TX PROFILE	**162 - 163**
SCREWDRIVERS - SQUARE AND SOCKET	**163 - 164**
OTHER ACCESSORIES	**165**
BITS	**166 - 169**
IMPACT SCREWDRIVERS	**169**

Premium Hard chrome vanadium steel - long lasting durability!

Hand tools, such as screwdrivers, where the reliability, safety and longevity of use depend on the elasticity and at the same time on the hardness of the stems, are made of special alloyed tool steel. This, with a higher content of selected elements, enables greater durability. In the Premium Hard tool steel, chrome vanadium steel with a molybdenum content enables, in addition to greater durability, greater tensile strength and toughness, while the increased silicon content increases elasticity and reduces susceptibility to cracks. Adequate hardness and wear resistance are achieved with an appropriate carbon content.

Special alloy tool steel 73MoV52, compliant with EuroDirective 2000/53/EC:

- 0.60% molybdenum for greater tensile strength and toughness
- 1.15% silicon for greater elasticity and reduced susceptibility to cracking
- 0.70% carbon for adequate tool hardness and wear resistance

TBI handles for screwdrivers are composed of three layers, namely:

1. layer: Black PP (polypropylene) which surrounds the stem of the screwdriver and is extremely solid, preventing the turning of the screwdriver stem in the handle at high torque

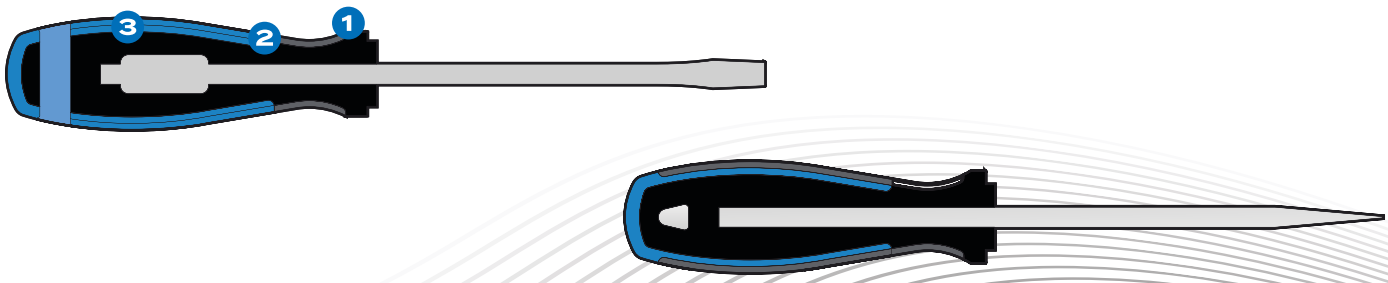
2. layer: Blue PP (polypropylene) which surrounds the 1st layer of the handle is very stiff and ensures the constant shape of the handle under various environmental effects

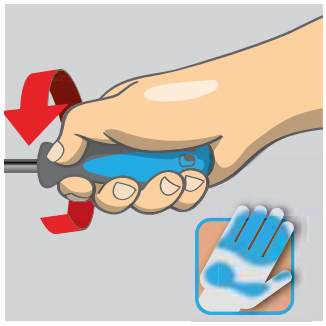
3. layer: Grey TPE (thermoplastic elastomer) which partially surrounds the 2nd layer of the handle is a medium-strength material that gives the handle its final ergonomic shape, ensures a pleasant and non-slipping grip and thereby the achievement of high torques

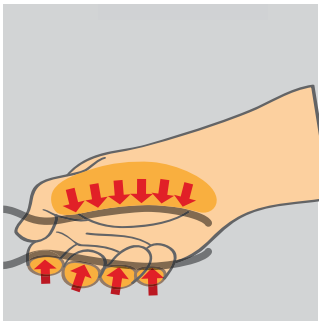
Able to fit a variety of screw profiles and exhibiting innovative three-component handles, UNIOR screwdrivers ensure great efficiency and a slip-proof grip.

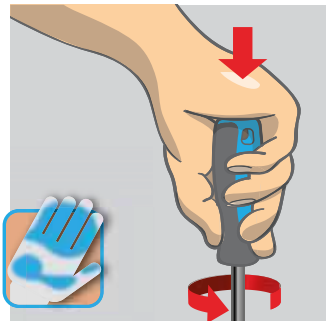
Unior screwdrivers are made of premium hard chrome vanadium steel. The surface is additionally protected with quality nickel and/or chrome plating. The superior quality of materials used for Unior screwdrivers is complemented by well-thought ergonomically designed handles to provide the best possible grip.

With its combination of soft and hard surfaces, the special, three-component handle – a Unior patent – ensures comfort and efficient performance with minimum strain on the wrist while working. The soft material ensures maximum gripe even when oily.









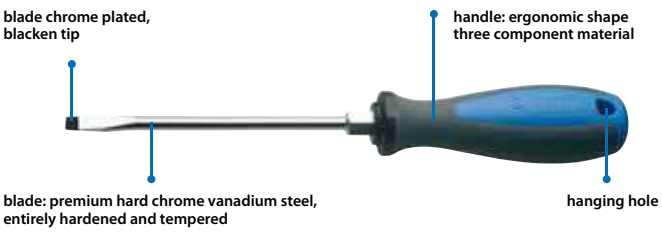
Large hand contact area = more torque power

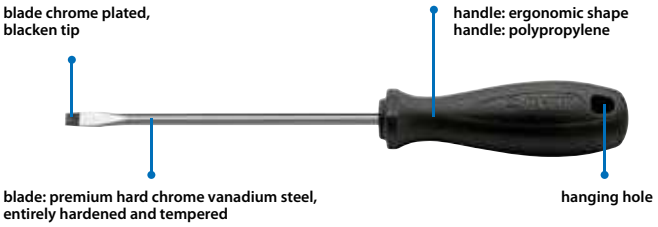
Ergonomic handle design = protecting your hand

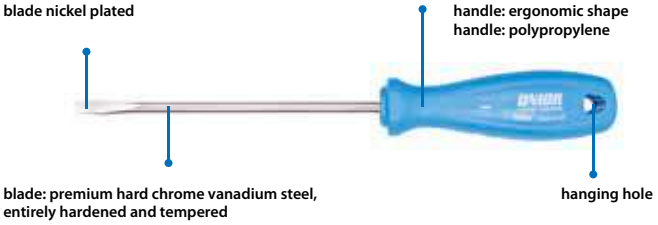
Ergonomic handle!

The combination of hard and soft surface improves the load factor and ensures smooth screwing. The handle was developed in such a way that it takes care of the user's health because it reduces the tension of the hand muscle.

Features of Unior's screwdrivers



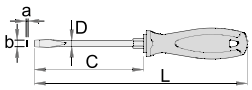




600TBI

Flat screwdriver TBI with hexagon bolster

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006

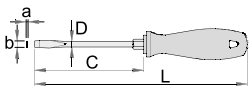


SKU	axb	C	L	D	⬣	
611680	1.0 x 5.5	100	200	5	8	68
611681	1.2 x 6.5	125	235	6	10	103
611682	1.2 x 8.0	150	270	7	13	143
611683	1.6 x 10.0	175	295	8	13	171

600CR

Flat screwdriver CR with hexagon bolster

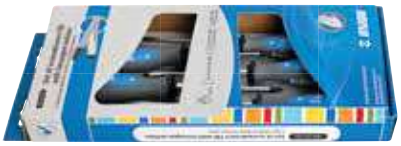
- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006



SKU	axb	C	L	D	⬣	
616322	1.0 x 5.5	100	200	5	8	68
616323	1.2 x 6.5	125	235	6	10	103
616324	1.2 x 8.0	150	270	7	13	143
616325	1.6 x 10.0	175	295	8	13	171

600CS5TBI

Set of screwdrivers TBI with hexagon bolster



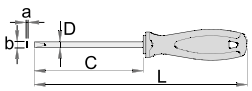
Set includes:
- 1x flat screwdriver TBI (article 605TBI) dim. 0.8x4.0x100
- 2x flat screwdriver TBI with hexagon bolster (article 600TBI) dim. 1.0x5.5x100, 1.2x6.5x125
- 2x crosstip (PH) screwdriver TBI with hexagon bolster (article 616TBI) dim. PH 1x80, PH 2x100

SKU	
614007	5

602TBI

Flat electrician`s screwdriver TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- three component material
- hanging hole

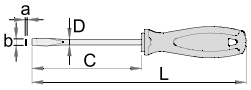


SKU	axb	C	L	D	
612797	0.4 x 2.5	60	145	2.5	33
612798	0.4 x 2.5	75	160	2.5	33
611684	0.5 x 3.0	100	185	3	37
612799	0.5 x 3.0	150	235	3	39
612800	0.6 x 3.5	100	185	3.5	39
612801	0.8 x 4.0	100	185	4	43
611685	0.8 x 4.0	125	210	4	45
612802	0.8 x 4.0	150	235	4	48
612803	0.8 x 4.0	250	335	4	56
612804	1.0 x 5.5	125	225	5.5	75
611686	1.0 x 5.5	150	250	5.5	81
616843	1.0 x 5.5	280	380	5.5	103
612805	1.2 x 6.5	150	260	6.5	113
616844	1.2 x 6.5	280	390	6.5	145
612806	1.2 x 8.0	175	295	8	163

605TBI

Flat screwdriver TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006
- made according to standard DIN 5264

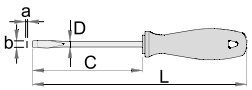


SKU	axb	C	L	D	
612810	0.4 x 2.5	60	145	2.5	33
611687	0.4 x 2.5	75	160	2.5	34
611688	0.5 x 3.0	80	165	3	35
612811	0.5 x 3.0	100	185	3	37
611689	0.5 x 3.0	125	210	3	37
612812	0.5 x 3.0	150	235	3	39
612813	0.6 x 3.5	75	160	3.5	37
611690	0.6 x 3.5	100	185	3.5	39
611691	0.6 x 3.5	125	210	3.5	40
611692	0.8 x 4.0	100	185	4	41
612814	0.8 x 4.0	125	210	4	44
611693	0.8 x 4.0	150	235	4	46
612815	0.8 x 4.0	200	285	4	53
612816	1.0 x 5.5	100	200	5	68
611694	1.0 x 5.5	125	225	5	70
611695	1.0 x 5.5	150	250	5	74
612817	1.2 x 6.5	100	210	6	93
612818	1.2 x 6.5	125	235	6	98
611696	1.2 x 6.5	150	260	6	103
611697	1.2 x 6.5	200	310	6	115
611698	1.2 x 8.0	175	295	7	143
612819	1.6 x 8.0	175	295	7	143
611699	1.6 x 10.0	200	320	8	173
611700	2.0 x 12.0	250	370	9	223

605CR

Flat screwdriver CR

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006
- made according to standard DIN 5264

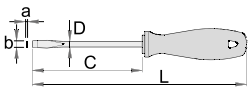


SKU	axb	C	L	D	
616338	0.4 x 2.5	60	145	2.5	33
616339	0.4 x 2.5	75	160	2.5	34
616340	0.5 x 3.0	80	165	3	35
616341	0.5 x 3.0	100	185	3	37
616342	0.5 x 3.0	150	235	3	39
616343	0.6 x 3.5	75	160	3.5	37
616344	0.6 x 3.5	100	185	3.5	39
616345	0.6 x 3.5	125	210	3.5	40
616346	0.8 x 4.0	100	185	4	41
616347	0.8 x 4.0	125	210	4	44
616348	0.8 x 4.0	150	235	4	46
616349	0.8 x 4.0	200	285	4	53
616350	1.0 x 5.5	100	200	5	68
616351	1.0 x 5.5	125	225	5	70
616352	1.0 x 5.5	150	250	5	74
616353	1.2 x 6.5	100	200	6	93
616354	1.2 x 6.5	125	225	6	98
616355	1.2 x 6.5	150	250	6	103
616356	1.2 x 8.0	175	285	7	143
616357	1.6 x 8.0	175	285	7	143
616358	1.6 x 10.0	200	320	8	173
616359	2.0 x 12.0	250	370	9	223

605NI

Flat screwdriver

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade nickel plated
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006

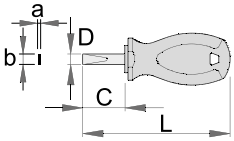


SKU	axb	C	L	D	
616419	0.4 x 2.0	60	145	2	33
616420	0.4 x 2.5	75	160	2.5	34
616421	0.5 x 3.0	80	165	3	35
616422	0.6 x 3.5	100	185	3.5	39
616423	0.8 x 4.0	100	185	4	41
616424	1.0 x 5.5	125	225	5	70
616425	1.2 x 6.5	150	250	6	103
616426	1.2 x 8.0	175	285	7	143
616427	1.6 x 10.0	200	320	8	173

627TBI

Stubby flat screwdriver TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006

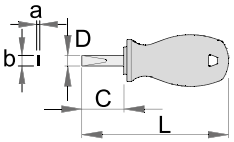


SKU	axb	C	L	D	
612832	0.6 x 3.5	25	87	3.5	33
612833	0.8 x 4.0	25	87	4	41
612834	1.0 x 5.5	25	87	5.5	40
612835	1.2 x 6.5	25	87	6.5	34
617092	1.2 x 6.5	35	97	6.5	36

627CR

Stubby flat screwdriver CR

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006



SKU	axb	C	L	D	
616399	0.8 x 4.0	25	86	4	37
616400	1.0 x 5.5	25	86	5.5	41
616401	1.2 x 6.5	25	86	6.5	43

606B5NI

Set of screwdrivers NI

Set includes:

- 5x flat screwdriver NI (article 605NI) dim. 0.4x2.0x60, 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150

SKU	
617033	5

606CS5CR

Set of screwdrivers CR

Set includes:

- 5x flat screwdriver CR (article 605CR) dim. 0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.6x8.0x175

SKU	
617017	5

606CS5TBI

Set of screwdrivers TBI

Set includes:
- 5x flat screwdriver TBI (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.2x8.0x175

SKU	
616320	5

607CS5TBI

Set of screwdrivers TBI

Set includes:
- 3x TBI flat screwdriver (article 605TBI) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 1x80, PH 2x100

SKU	
611985	5

607PB8TBI

Set of screwdrivers TBI in plastic box

- Dimension of box: 307 x 260 x 55

Set includes:
- 1x flat screwdriver TBI (article 602TBI) dim. 0.5x3.0x100
- 3x TBI flat screwdriver (article 605TBI) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 1x80, PH 2x100
- 2x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 1x80, PZ 2x100

SKU	
621445	8

607B5CR

Set of screwdrivers CR

Set includes:
- 3x flat screwdriver CR (article 605CR) dim. 0.4x2.5x75, 0.8x4.0x100, 1.2x6.5x150
- 2x crosstip (PH) screwdriver CR (article 615CR) dim. PH 1x80, PH 2x100

SKU	
617021	5

607CS7CR

Set of screwdrivers CR

Set includes:
- 4x flat screwdriver CR (article 605CR) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.2x8.0x175
- 3x crosstip (PH) screwdriver CR (article 615CR) dim. PH 1x80, PH 2x100, PH 3x150

SKU	
617026	7

607PB9TBI

Set of screwdrivers TBI in plastic box

- Dimension of box: 307 x 260 x 55

Set includes:
- 4x TBI flat screwdriver (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 1x80, PH 2x100
- 3x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 0x60, PZ 1x80, PZ 2x100

SKU		
621419	-	9

607B5NI

Set of screwdrivers NI

Set includes:
- 3x flat screwdriver NI (article 605NI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.2x6.5x150
- 2x crosstip (PH) screwdriver NI (article 615NI) dim. PH 1x80, PH 2x100

SKU	
617037	5

607CS7TBI

Set of screwdrivers TBI

Set includes:
- 5x flat screwdriver TBI (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.2x8.0x175
- 2x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 1x80, PH 2x100

SKU	
611986	7

608CS5CR

Set of screwdrivers CR

Set includes:
- 5x crosstip (PH) screwdriver CR (article 615CR) dim.PH 0x60, PH 1x80, PH 2x100, PH 3x150, PH 4x200

SKU	
617028	5

608CS5NI

Set of screwdrivers NI

Set includes:
- 5x crosstip (PH) screwdriver NI (article 615NI) dim.PH 0x60, PH 1x80, PH 2x100, PH 3x150
- 1x crosstip (PZ) screwdriver NI (article 625NI) dim. PZ 2x100

SKU	
617041	5

608CS5TBI

Set of screwdrivers TBI

Set includes:
- 4x crosstip (PH) screwdriver TBI (article 615TBI) dim. PH 0x60, PH 1x80, PH 2x100, PH 3x150
- 1x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim.PZ 2x100

SKU	
612326	5

609CS5TBI

Set of screwdrivers TBI

Set includes:
- 3x TBI flat screwdriver (article 605TBI) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 2x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 1x80, PZ 2x100

SKU	
611987	5

609CS7CR

Set of screwdrivers CR

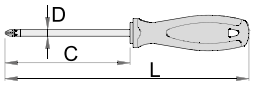
Set includes:
- 4x flat screwdriver CR (article 605CR) dim. 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.2x8.0x175
- 3x crosstip (PZ) screwdriver CR (article 625CR) dim. PZ 1x80, PZ 2x100, PZ 3x150

SKU	
617030	7

615TBI

Crosstip (PH) screwdriver TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2
- made according to standard DIN 5260-PH

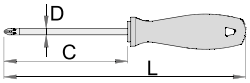


SKU	+	C	L	D	
611701	PH 0	60	145	3	34
611702	PH 1	80	180	4.5	60
611703	PH 1	200	300	4.5	74
611704	PH 2	100	210	6	94
611705	PH 2	150	260	6	104
611706	PH 2	200	310	6	114
611707	PH 3	150	270	8	154
611708	PH 4	200	320	10	230

615CR

Crosstip (PH) screwdriver CR

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standards DIN ISO 8764-1: 2006, DIN ISO 8764-2: 2006, DIN EN ISO 4757: 1994
- made according to standard DIN 5260-PH

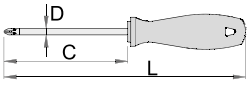


SKU	+	C	L	D	
616363	PH 0	60	145	3	34
616364	PH 1	80	165	4.5	60
616365	PH 1	200	285	4.5	74
616366	PH 2	100	200	6	94
616367	PH 2	150	250	6	104
616368	PH 3	150	260	8	154
616369	PH 4	200	320	10	230

612CR

Electrician's crosstip screwdriver CR

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard DIN 5260-PH

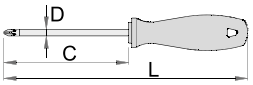


SKU	+	C	L	D	
616360	PH 1	280	365	4.5	67
616361	PH 2	200	300	6	98
616362	PH 2	280	380	6	113

615NI

Crosstip (PH) screwdriver

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade nickel plated
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 8764-1,2

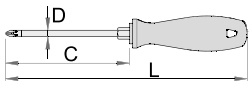


SKU	+	C	L	D	
616428	PH 0	60	145	3	34
616429	PH 1	80	165	4.5	60
616430	PH 2	100	200	6	94
616431	PH 3	150	260	8	154

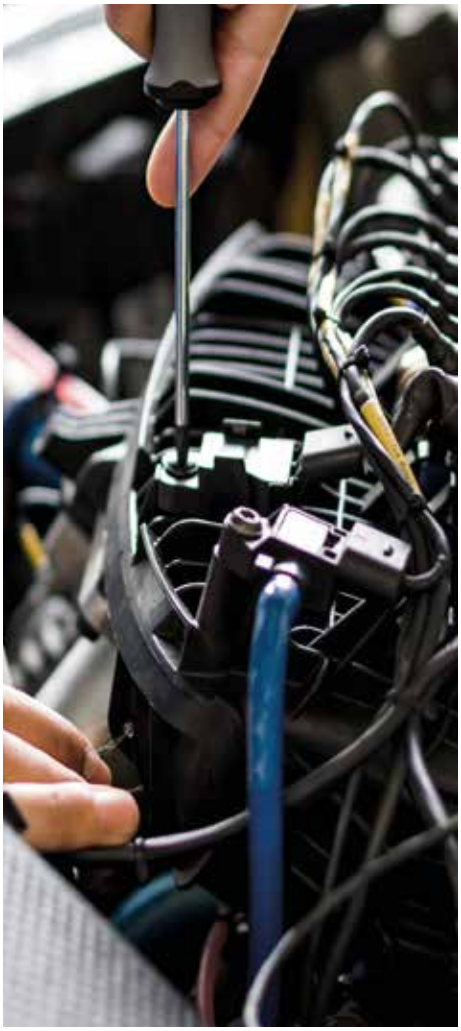
616CR

Crosstip (PH) screwdriver CR with hexagon bolster

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 8764-1,2



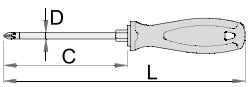
SKU	+	C	L	D		
616370	PH 1	80	180	4.5	8	60
616371	PH 2	100	210	6	10	94
616372	PH 3	150	270	8	13	154



616TBI

Crosstip (PH) screwdriver TBI with hexagon bolster

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2

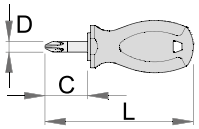


SKU	+	C	L	D		
611709	PH 1	80	180	4.5	8	60
611710	PH 2	100	210	6	10	94
611711	PH 3	150	270	8	13	154

626TBI

Stubby crosstip (PH) screwdriver TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standards DIN ISO 8764-1: 2006, DIN ISO 8764-2: 2006, DIN EN ISO 4757: 1994

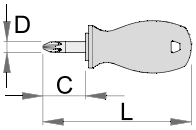


SKU	+	C	L	D	
612830	PH 1	25	87	4.5	37
612831	PH 2	25	87	6	41
617088	PH 2	35	97	6.0	43

626CR

Stubby crosstip (PH) screwdriver CR

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 8764-1,2

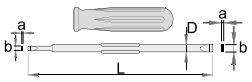


SKU	+	C	L	D	
616397	PH 1	25	86	4.5	37
616398	PH 2	25	86	6	41

636

Reversible screwdriver

› blade: premium hard chrome vanadium steel, entirely hardened and tempered
› blade nickel plated
› handle: ergonomic shape
› handle - polypropylene

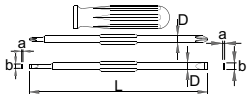


SKU	axb	+	L	D	
608922	1.0 x 6.0	PH 2	140	6	42

636A

Reversible screwdriver

› with two blades PH2-PH3 and 0.8 x 4.0 -1.2 x 7.0



SKU	+	+	axb	axb	L	D	
615049	PH 2	PH 3	0.8 x 4.0	1.2 x 7.0	180	7	127

636PH

Crosstip reversible blade

SKU	+	+	
615048	PH 2	PH 3	50

636PL

Slotted reversible blade

SKU	axb		axb
615047	0.8 x 4.0	46	1.2 x 7.0

636TX

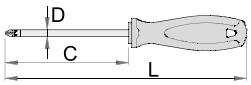
Reversible blade with TX profile

SKU			
620399	TX 20	TX 25	29

625TBI

Double-crosstip (PZ) screwdriver TBI

› blade: premium hard chrome vanadium steel, entirely hardened and tempered
› blade chrome plated, black anodised tip
› handle: ergonomic shape
› three component material
› hanging hole
› made according to standard ISO 8764-1,2

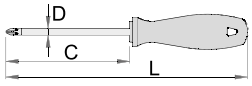


SKU	+	C	L	D	
611741	PZ 0	60	145	3	34
611742	PZ 1	80	180	4.5	60
611743	PZ 2	100	210	6	93
611744	PZ 3	150	270	8	156

625CR

Double-crosstip (PZ) screwdriver CR

› blade: premium hard chrome vanadium steel, entirely hardened and tempered
› blade chrome plated, black anodised tip
› handle: ergonomic shape
› handle - polypropylene
› hanging hole
› made according to standard ISO 8764-1,2

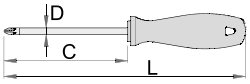


SKU	+	C	L	D	
616393	PZ 0	60	145	3	34
616394	PZ 1	80	165	4.5	60
616395	PZ 2	100	200	6	93
616396	PZ 3	150	260	8	156

625NI

Double-crosstip (PZ) screwdriver

› blade: premium hard chrome vanadium steel, entirely hardened and tempered
› blade nickel plated
› handle: ergonomic shape
› handle - polypropylene
› hanging hole
› made according to standard ISO 8764-1,2

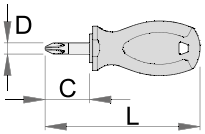


SKU	+	C	L	D	
616433	PZ 1	80	165	4.5	60
616434	PZ 2	100	200	6	93

628TBI

Stubby double-crosstip (PZ) screwdriver TBI

› blade: premium hard chrome vanadium steel, entirely hardened and tempered
› blade chrome plated, blackened tip
› handle: ergonomic shape
› three component material
› hanging hole
› made according to standards DIN ISO 8764-1: 2006, DIN ISO 8764-2: 2006, DIN EN ISO 4757: 1994



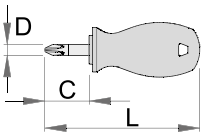
SKU	+	C	L	D	
612837	PZ 1	25	87	4.5	37
612838	PZ 2	25	87	6	41
617095	PZ 2	35	97	6.0	43

MADE FOR WORK.

628CR

Stubby double-crosstip (PZ) screwdriver CR

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standards DIN ISO 8764-1: 2006, DIN ISO 8764-2: 2006, DIN EN ISO 4757: 1994

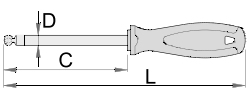


SKU	✚	C	L	D	
616402	PZ 1	25	85	4.5	37
616403	PZ 2	25	85	6	41

620TBI

Ball-end hex screwdriver TBI

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole

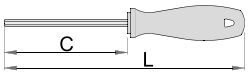


SKU	⬢	C	L	D	
611715	2	65	150	3	31
611716	2.5	75	160	3	34
611717	3	75	160	3.5	37
611718	4	100	200	5	68
611719	5	100	210	6	93
611720	6	125	245	7	128
611721	8	150	270	10	203

620/1CR

Hex screwdriver CR

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade: blackened
- handle: ergonomic shape
- handle - polypropylene
- hanging hole

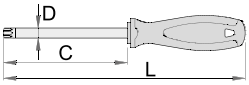


SKU	⬢	C	L	
617128	2	60	145	34
617129	2.5	60	145	34
617130	3	75	160	37

621TBI

Screwdriver TBI with TX profile

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole

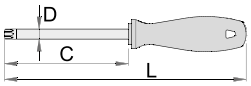


SKU	✸	C	L	D	
611722	TX 6	60	145	3	34
611723	TX 7	60	145	3	34
611724	TX 8	60	145	3	34
611725	TX 9	60	145	3	34
611726	TX 10	80	165	3	35
611727	TX 15	80	165	3,5	37
611728	TX 20	100	185	4	43
611729	TX 25	100	200	4.5	63
611730	TX 27	115	215	5.5	76
611731	TX 30	115	225	6	98
611732	TX 40	130	250	7	130
611733	TX 45	130	250	8	148

621CR

Screwdriver CR with TX profile

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole



SKU	✸	C	L	D	
616379	TX 6	60	145	3	34
616380	TX 7	80	165	3	34
616381	TX 8	80	165	3	34
616382	TX 9	80	165	3	34
616383	TX 10	80	165	3	35
616384	TX 15	80	165	3.5	37
616385	TX 20	100	185	4	43
616386	TX 25	100	185	4.5	63
616387	TX 27	115	215	5.5	76
616388	TX 30	115	215	6	98
616389	TX 40	130	240	7	130

621CS7CR

Set of screwdrivers CR with TX profile

Set includes:

- 7x screwdriver CR with TX profile (article 621CR) dim. TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40

SKU	⟷	
617031	TX 10 - TX 40	7

621CS7TBI

Set of screwdrivers TBI with TX profile

Set includes:

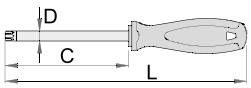
- 7x screwdriver TBI with TX profile (article 621TBI) dim. TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40

SKU	⟷	
612300	TX 10 - TX 40	7

621/1TBI

Screwdriver TBI with TX profile and hole

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole



SKU		C	L	D	
611734	TR 10	80	165	3	35
611735	TR 15	80	165	3.5	37
611736	TR 20	100	185	4	43
611737	TR 25	100	200	4.5	63
611738	TR 27	115	215	5.5	76
611739	TR 30	115	225	6	98
611740	TR 40	130	250	7	130

621/1CS7TBI

Set of screwdrivers TBI with TX profile and hole

Set includes:

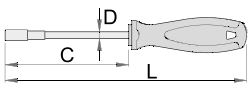
- 7x screwdriver TBI with TX profile and hole (article 621/1TBI) dim. TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40

SKU		
612308	TR 10 - TR 40	7

629TBI

Socket wrench with TBI handle

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN 3125

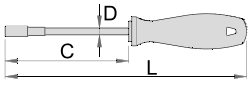


SKU		C	L	D	
611746	5	125	235	5,2	92
612672	5.5	125	235	5,2	103
611747	6	125	235	5,2	103
611748	7	125	245	6,2	123
611749	8	125	245	6,2	140
611750	9	125	245	6,2	155
611751	10	125	245	8,2	157
611752	11	125	245	8,2	166
611753	12	125	245	9,2	184
611754	13	125	245	9,2	186

629CR

Socket wrench with CR handle

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard DIN 3125



SKU		C	L	D	
616404	4	125	225	5	73
616406	5	125	225	5,2	92
616407	5.5	125	225	5,2	103
616408	6	125	225	5,2	103
616409	7	125	235	6,2	123
616410	8	125	235	6,2	140
616411	10	125	235	8,2	157
616413	12	125	245	9,2	184
616414	13	125	245	9,2	186
616415	14	125	245	9	193
616418	17	125	245	9	210

629CS5TBI

Set of socket wrenches with TBI handle

Set includes:

- 5x socket wrench with TBI handle (article 629TBI) dim. 6, 8, 10, 12, 13

SKU		
612318	6 - 13	5

629CS7CR

Set of socket wrenches with CR handle

Set includes:

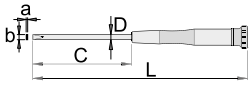
- 7x socket wrench with CR handle (article 629CR) dim. 6, 8, 10, 12, 13, 14, 17

SKU		
617032	6 - 17	7

605E

Flat electronic screwdriver

- material: premium hard chrome vanadium steel
- ergonomic heavy duty double component handle
- tip coated with anticorrosion protection
- handle with rotating cap



SKU	axb	C	L	D	
608296	0.25 x 1.2	60	153	2.5	10
608297	0.23 x 1.5	60	153	2.5	11
608298	0.3 x 1.8	60	153	2.5	12
608299	0.4 x 2.5	75	168	2.5	12
608300	0.5 x 3.0	100	193	3	13
608301	0.5 x 3.0	150	243	3	18
608302	0.8 x 4.0	100	193	4	23
608303	0.8 x 4.0	150	243	4	28

606CS5E

Set of electronic screwdrivers in carton box

› 5x Flat electronic screwdriver (article 605E) dim. 0.23 x 1.5x60, 0.3 x 1.8x60, 0.4 x 2.5x75, 0.5 x 3.0x100, 0.8 x 4.0x100

SKU	
620959	5

607CS7E

Set of electronic screwdrivers in carton box

› 4x Flat electronic screwdriver (article 605E) dim. 0.3 x 1.8x60, 0.4 x 2.5x75, 0.5 x 3.0x100, 0.8 x 4.0x100
› 3x Crosstip (PH) electronic screwdriver (article 615E dim. PH 00x60, PH 0x60, PH 1x80

SKU	
620960	7

608CS5E

Set of electronic screwdrivers in carton box

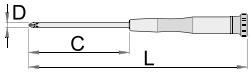
› 4x Crosstip (PH) electronic screwdriver (article 615E) dim. PH 000x60, PH 00x60, PH 0x60, PH 1x80
› 1x Crosstip (PZ) electronic screwdriver (article 625E) dim. PZ 0x60

SKU	
620962	5

615E

Crosstip (PH) electronic screwdriver

› material: premium hard chrome vanadium steel
› ergonomic heavy duty double component handle
› tip coated with anticorrosion protection
› handle with rotating cap

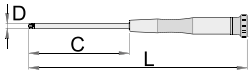


SKU	+	C	L	D	
608304	PH 000	60	153	2.5	12
608305	PH 00	60	153	2.5	12
608306	PH 0	60	153	3	14
608307	PH 1	80	173	4.5	22

619E

Electronic Screwdriver with TS profile

› material: premium hard chrome vanadium steel
› ergonomic heavy duty double component handle
› tip coated with anticorrosion protection
› handle with rotating cap
› for pentalobe screws
› use: for newer models of apple iPhones

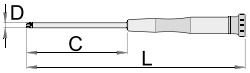


SKU		C	L	D	
623364	TS 1	60	153	2,5	12.6

621E

Electronic screwdriver with TX profile

› material: premium hard chrome vanadium steel
› ergonomic heavy duty double component handle
› tip coated with anticorrosion protection
› handle with rotating cap



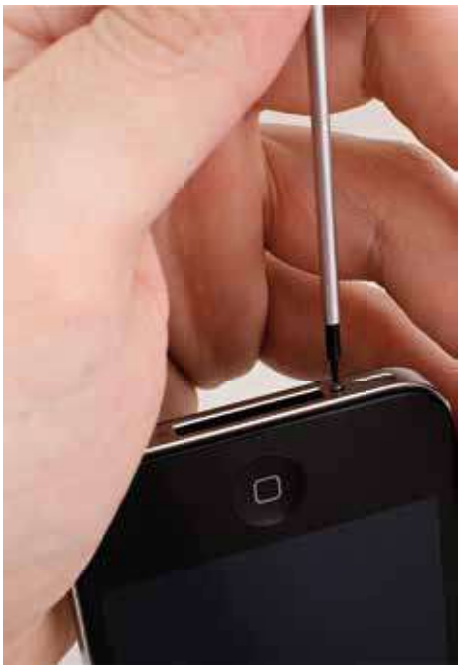
SKU		C	L	D	
604546	TX 4	60	153	3	12
604547	TX 5	60	153	3	12
608310	TX 6	60	153	3	13
608311	TX 7	60	153	3	14
608312	TX 8	60	153	3	12
608313	TX 9	60	153	3	15
608314	TX 10	60	153	3	14
608315	TX 15	60	153	3.5	17
608316	TX 20	80	173	4	19

621CS7E

Set of electronic screwdrivers with TX profile in carton box

› 7x Electronic screwdriver with TX profile (article 621E) dim. TX 6, TX 7, TX 8, TX 9, TX 10, TX 15, TX 20

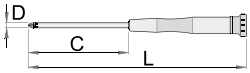
SKU		
620961	TX 6 - TX 20	7



625E

Double-crosstip (PZ) electronic screwdriver

- material: premium hard chrome vanadium steel
- ergonomic heavy duty double component handle
- tip coated with anticorrosion protection
- handle with rotating cap

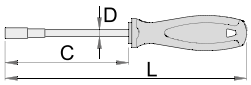


SKU	✚	C	L	D	
608308	PZ 0	60	153	3	13
608309	PZ 1	80	173	4.5	26

638TBI6,3

TBI handle for bits 6,3

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- handle: ergonomic shape
- three component material
- with magnet
- hanging hole

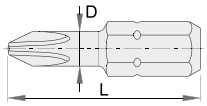


SKU		C	D	L		
625356	6,3	100	10	210	6,3	103

6463C6,3

Crosstip (PH) bit, 3 pcs set

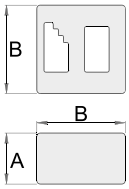
- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



SKU	✚	D	L	
602389	PH 1	4.5	25	10
602390	PH 2	6	25	10
602391	PH 3	8	25	12

633

Magnetizer/demagnetizer



- material: ABS
- blue colour

Usage:

- Use the magnetiser to magnetise the screwdriver's tip so that the screws stick to the tip. Magnetise the tip by pushing the tip and the shaft of the screwdriver through the opening of the magnetiser marked with +. The screwdriver's tip will be magnetised immediately.
- The tip can be demagnetised by pushing the tip and the shaft into the magnetiser's opening marked with – and by lightly rubbing the inner wall of the opening.
- The duration of the magnetisation depends on the area of use. If a magnetised screwdriver is used in a room where the magnetic field lines are stronger (e.g. electric cabinet), the tip demagnetises faster. In a normal environment, the magnetisation lasts longer.
- The magnetiser is used for fastening screws with screwdrivers where the screw cannot be aligned directly with the hole but can be placed into the hole or onto the point of screwing with the screwdriver tip. The same applies for unfastening, since the screw can easily be removed from an area where there is limited space. The magnetised tip can also serve for picking up tiny metal objects in hard to reach places that are otherwise not accessible with the hands.

Important!

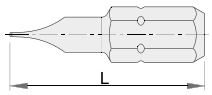
- The magnetised screwdriver cannot be used for grabbing stainless steel screws.

SKU	B	A	
612866	52	30	91

6460C6,3

Slotted bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

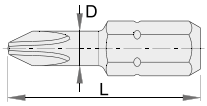


SKU	axb	L	
602371	0.5 x 4.0	25	9
602372	0.6 x 3.5	25	10
602373	0.6 x 4.5	25	10
602377	1.2 x 6.5	25	11
602378	1.2 x 8.0	25	12

6465C6,3

Crosstip (PH) bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

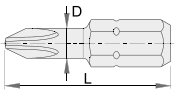


SKU	✚	D	L	
602395	PH 2	6	50	16
602396	PH 3	8	50	22

6466C6,3

Double-crosstip (PZ) bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

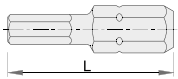


SKU		D	L	
602397	PZ 1	4.5	25	10
602398	PZ 2	6	25	10
602399	PZ 3	8	25	11

6469C6,3

Hex bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

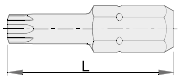


SKU	⬢	D	
602400	2.5	25	9
602401	3	25	9
602402	4	25	10
602403	5	25	12
602404	6	25	12

6472TINC6,3

TX profile bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- titanium coated

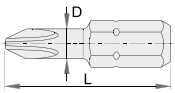


SKU		L	
604701	TX 20	25	10
604702	TX 25	25	10
604825	TX 30	25	10

6463TINC6,3

Crosstip (PH) bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- titanium coated
- made according to standard ISO 2351

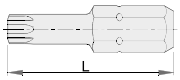


SKU	+	D	L	
604692	PH 2	6	25	10

6472C6,3

TX profile bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders

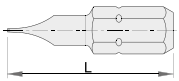


SKU		L	
602406	TX 7	25	9
602407	TX 8	25	9
602408	TX 9	25	9
602409	TX 10	25	9
602410	TX 15	25	9
602411	TX 20	25	10
602412	TX 25	25	10
621283	TX 27	25	10
621284	TX 30	25	10
621285	TX 40	25	10

6480C8

Slotted bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

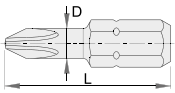


SKU	axb	L	
602414	1.0 x 5.5	41	15
602415	1.2 x 6.5	41	18
602417	1.6 x 8.0	41	19
602418	1.6 x 10.0	41	24
602419	2.0 x 12.0	41	27

6466TINC6,3

Double-crosstip (PZ) bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- titanium coated
- made according to standard ISO 2351



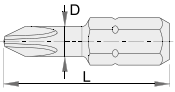
SKU	+	D	L	
604695	PZ 2	6	25	10
604696	PZ 3	8	25	10

MADE FOR WORK.

6483C8

Crosstip (PH) bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

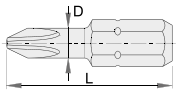


SKU	+	D	L	
602423	PH 2	6	32	14
602424	PH 3	8	32	16

6484C8

Crosstip (PH) bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

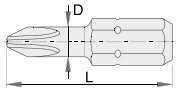


SKU	+	D	L	
602425	PH 4	10	38	22

6486C8

Double-crosstip (PZ) bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

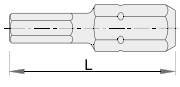


SKU	+	D	L	
602427	PZ 2	6	32	14
602428	PZ 3	8	32	16

6489C8

Hex bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

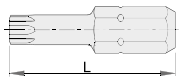


SKU	⬢	L	
602431	5	30	14
602432	6	30	16

6492C8

TX profile bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders

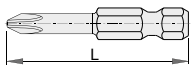


SKU	✸	L	
605518	TX 20	30	13
602436	TX 25	30	13
602438	TX 30	30	14
602439	TX 40	30	15
602440	TX 45	30	16
602441	TX 50	30	18

6503E6,3

Crosstip (PH) bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

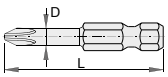


SKU	+	D	L	
602519	PH 1	4.5	50	15
602520	PH 2	6	50	15
602521	PH 3	8	50	18

6506E6,3

Double-crosstip (PZ) bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351

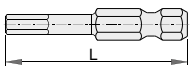


SKU	+	D	L	
602522	PZ 1	4.5	50	14
602523	PZ 2	6	50	17
602524	PZ 3	8	50	19

6509E6,3

Hex bit

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



SKU	⬢	L	
602525	2.5	50	13
602526	3	50	14
602527	4	50	16
602528	5	50	17
602529	6	50	18

6515E6,3

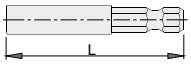
Square (SQ) bit, 3 pcs set

- material: premium hard chrome vanadium steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders

SKU	■	L	
603418	SQ 2	75	23

6715E6,3

Bits adaptor E6, 3 (1/4")



SKU	■	L	
624053	E6.3(1/4")	50	18
603028	E6.3 (1/4")	75	32

6776PB21

Bits set in plastic box

› Dimension of box: 145 x 85 x 40

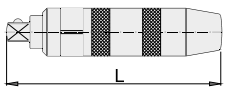
Set includes:

› 1x bits adaptor E6, 3 (1/4") (article 6715E6,3) dim. 75
› 4x hex bits (article 6469C6,3) dim. 3, 4, 5, 6
› 9x TX profile bit (article 6472C6,3) dim. TX8, TX9, TX10, TX15, TX20, TX25, TX27, TX30, TX40
› 3x double-crosstip (PZ) bit (article 6466C6,3) dim. PZ1, PZ2, PZ3
› 2x crosstip (PH) bit (article 6463C6,3) dim. PH1, PH2
› 2x slotted bit (article 6460C6,3) dim. 0.5x4.0, 1.2x6.5

SKU	
621650	21

6762.1

Impact screwdriver



SKU	■	L	
605062	1/2"	144	661

6778FBS1

Bits set

Set includes:
- 1x bits adaptor E6, 3 (1/4") (article 6715E6,3) dim. 50
- 4x double-crosstip (PZ) bit (article 6466C6,3) dim. PZ1, PZ2 (2x), PZ3
- 4x crosstip (PH) bit (article 6463C6,3) dim. PH1, PH2 (2x), PH3
- 2x slotted bit (article 6460C6,3) dim. 0.8x5.5, 1.2x6.5

SKU	
624050	10

6778FBS2

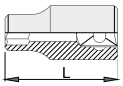
Bits set

Set includes:
- 1x bits adaptor E6, 3 (1/4") (article 6715E6,3) dim. 50
- 3x double-crosstip (PZ) bit (article 6466C6,3) dim. PZ1, PZ2, PZ3
- 3x crosstip (PH) bit (article 6463C6,3) dim. PH1, PH2, PH3
- 4x TX profile bit (article 6472C6,3) dim. TX15, TX20, TX25, TX30

SKU	
624051	11

6762.2

Adaptor 1/2" - 5/16"



SKU		L	
605063	1/2" - 5/16"	37	60

6762

Impact screwdriver set

- Dimension of box: 197 x 105 x 38

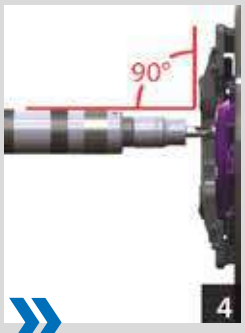
Set includes:
- 1x Impact screwdriver (article 6762.1) dim. 1/2"
- 1x Impact adapter (article 6762.2) dim. 1/2"-5/16"
- 2x hex bits (article 6489C8) dim. 5, 6
- 4x TX profile bit (article 6492C8) dim. TX20, TX25, TX30, TX40
- 1x crosstip (PH) bit (article 6484C8) dim. PH4
- 2x crosstip (PH) bit (article 6483C8) dim. PH2, PH3
- 3x slotted bit (article 6480C8) dim. 1.2x6.5x41, 1.6x8.0x41, 2.0x12.0x41

SKU	
605061	14

Move impact screwdriver closer to screw, which we will tighten (R), or loosen (L)

L is showing screw loosening.

R is showing screw tightening.



When tightening or loosening the screw, tool has to be placed in a position perpendicular to the screw!

Move tool closer to screw, and dont press it to final position before use. With hammer strike, tool is automaticlly extracted and tightening/loosening begins.

When the tool is in the compressed position, and we strike it with hammer inner mechanism will get destroyed. Never strike tool with hammer, when the tool is in compressed position!

PULLERS

A strictly purpose-made tool tailored to professional users!

100% dedicated to professional users, for whom this tool represents an indispensable choice in their everyday work. It is an irreplaceable tool, without which craftsmen cannot do their job. Adapting to the increasingly precise and demanding construction of building machinery, means of transport, and the like, is certainly a consequence of the constant need to upgrade these kinds of tools and their purpose. This is why at Unior we have developed many models for different purposes over the years, and we are constantly updating them from year to year in order to meet the needs and expectations of professional users.

- **THE EXCEPTIONAL DURABILITY OF PULLERS –** is ensured by choice materials with accessories and with the additional hardening of exposed parts.
- **ADDITIONAL PRECISION –** as the tip attached to the spindle allows for precise pulling without slippage.
- **VARIETY –** made possible by a product line that features a variety of pullers for extracting bearings, bearing rings, pulleys and joints, as well as for other intended uses.

Premium Flex Plus Carbon Steel

Efficiency and durability under considerable crushing and deformation stress

Construction and trade steels have special properties that guarantee their appropriate hardness, ductility and elasticity, as is required for tools such as setters, hammers and screw clamps, which are exposed to great force during hammering and clamping. Steels with a medium carbon content that are used to make tools have a higher carbon content, resulting in better durability. A suitable manganese content increases the tensile strength and ductility of the material, which is particularly important under high load conditions. The chrome content reduces the susceptibility to cracking, while the silicon content increases the elasticity of tool materials subjected to strong forces.

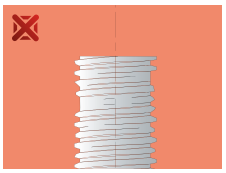
Medium carbon steel C45R, according to EU directive 2000/53/EC and the EN 10083-2 standards:

- 0,45% carbon for higher tensile strength and better tempering
- 0,70% manganese for higher tensile strength and ductility
- 0,35% chrome for higher tensile strength and lower susceptibility to cracking
- 0,20% silicon for higher elasticity

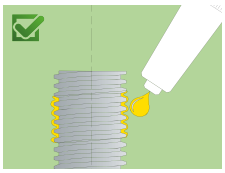
PULLERS WITH TWO ADJUSTABLE ARMS **174 - 175**

PULLERS WITH THREE ADJUSTABLE ARMS **176**

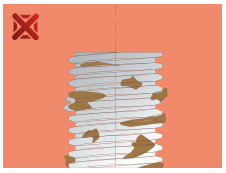
OTHER PULLERS **177 - 179**



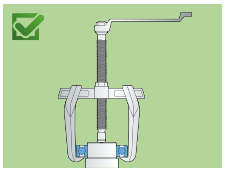
Don't use a spindle that is damaged.



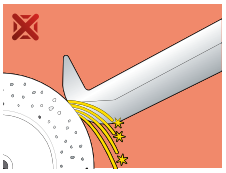
Always oil the puller spindle.



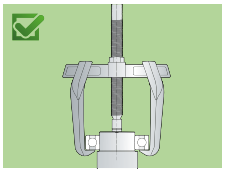
Don't use a puller which has a dirty spindle. Always clean your tools properly.



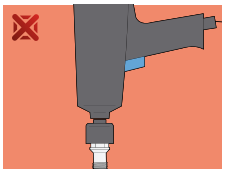
Always use the right tool for the job.



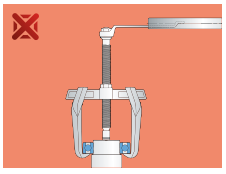
Don't grind, weld or reheat-treat puller arms.



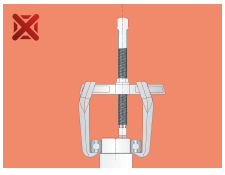
Always centre the puller spindle on the middle of the object, so the holding arms are distributed evenly on the body.



Don't use pneumatic tools with pullers.



Never use a pipe extension or other form of lever to increase the leverage.



Never put the puller spindle off centre, as slippage of the puller arm can occur.

WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

A special procedure for the manufacture of pullers

Head (body)

1. Cutting: Cutting material is the first operation in the technological procedure of wrench manufacturing. Optimum design of a cut provides optimal use of material.

2. Forging: Forging technology at Unior ensures excellent strength characteristics of wrenches. Notably, it maintains appropriate fiber orientation in a forged part, leaving it uninterrupted and the same as in a rolled blank. That characteristic of forged parts is vital for achieving the characteristics of products exposed to heavy and dynamic loads.

3. Trimming: Superfluous material around a forged part is removed using a special- purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

4. CNC working: A CNC machine is used to accurately work the head of the puller, which ensures smooth movement of the small handles.

5. Threading: The accurate threading of the internal trapezoid thread ensures the smooth movement of the spindle and thus enables rapid adjustment when using the puller.

6. Heat treatment (quenching and tempering) and sanding: The heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

7. Sanding: Cleaning the surface before chroming is important for the sake of quality and durable surface protection.

8. Chroming: The handle of the puller is plated with a thin, hard coating of chromium oxide, which protects against corrosion and wear and other mechanical damage. At the same time, it gives the entire Unior puller a glossy appearance.

Spindle

9. Forging part: The forging part is made by warm upsetting, which provides the shape of the spindle head

10. CNC working: The CNC machine is used to accurately work the spindle that is the basis for thread rolling.

11. Thread rolling: Is carried out on a special machine with special rollers. The resulting trapezoid thread is intended for use under greater strain.

12. Heat treatment (quenching and tempering) and sanding: The heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

13. Sanding: Cleaning the surface before chroming is important for the sake of quality and durable surface protection.

14. Burnishing and oiling: Burnishing gives a spindle a proper professional appearance and, together with the right oil, the necessary surface protection.

Small handle

15. Forging and trimming a small handle: A forged part is made using drop forging technology. Drop forging provides various ergonomic product shapes. Suitable forging procedures maintain appropriate fiber orientation, leaving it the same as in rolled blanks. Superfluous material around a forged part is removed using a special-purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

16. Hole broaching and CNC treatment: Broaching shapes the tip of the jaw. The latter must have optimal thickness for the necessary functionality of the broach. That is followed by CNC treatment of small handles that provides the necessary positioning of the broach assembly.

17. CNC working: CNC working of the small handles provides accuracy and thus improves the functioning of the entire product.

18. Heat treatment (quenching and tempering) and sanding: Heat treatment with annealing and tempering is intended to enhance the structure of steel, product strength and toughness, and other properties required to withstand the loads to which such a product is exposed to. Sanding is used to clean the surface for further operations.

19. Sanding: Cleaning the surface before chroming is important for the sake of quality and durable surface protection.

20. Chroming: The handle of the puller is plated with a thin, hard coating of chromium oxide, which protects against corrosion and wear and other mechanical damage. At the same time, it gives the entire Unior puller a glossy appearance.

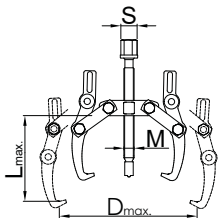
Assembly

21. Final assembly: The trained, skilled and meticulous workers performing the final assembly assemble the product into a solid whole that ensures the functioning and high quality of the Unior puller.

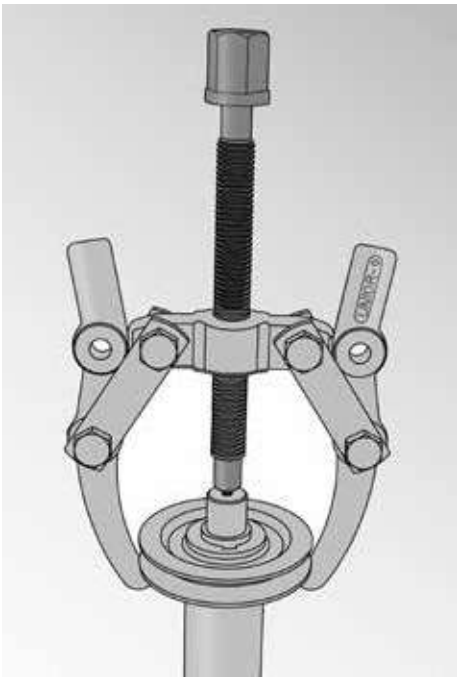
680/2

Puller with two adjustable arms

- material: body from premium flex plus carbon steel, arm from premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009, screw blackened
- arms adjustable in two positions
- lever action claws fit closely under the part to be removed

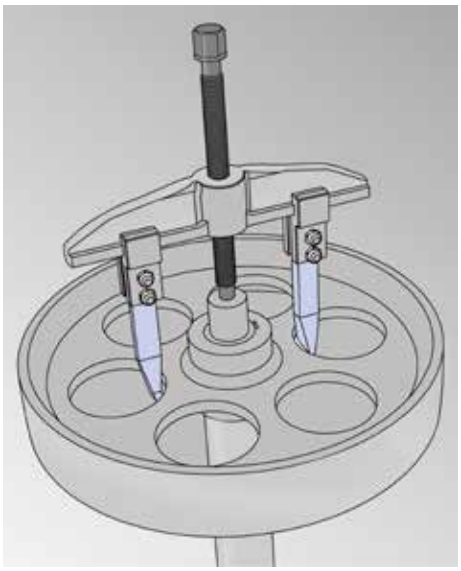


SKU	№	Lī	Dī	↔fmax	↔tmax	M	S	
612603	0	90	90	20	2	M 10 x 1	13	405
601762	1	160	130	30	3	M 14 x 1,5	17	915
601763	2	230	190	40	4	M 20 x 2	22	2078
601764	3	300	250	60	6	M 22 x 2	24	4075



681/2

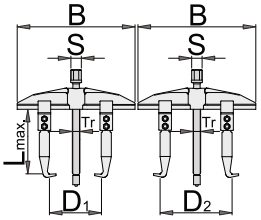
Puller with two sliding arms



- material: body from premium flex plus carbon steel, arm from premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009, screw blackened

Advantages:

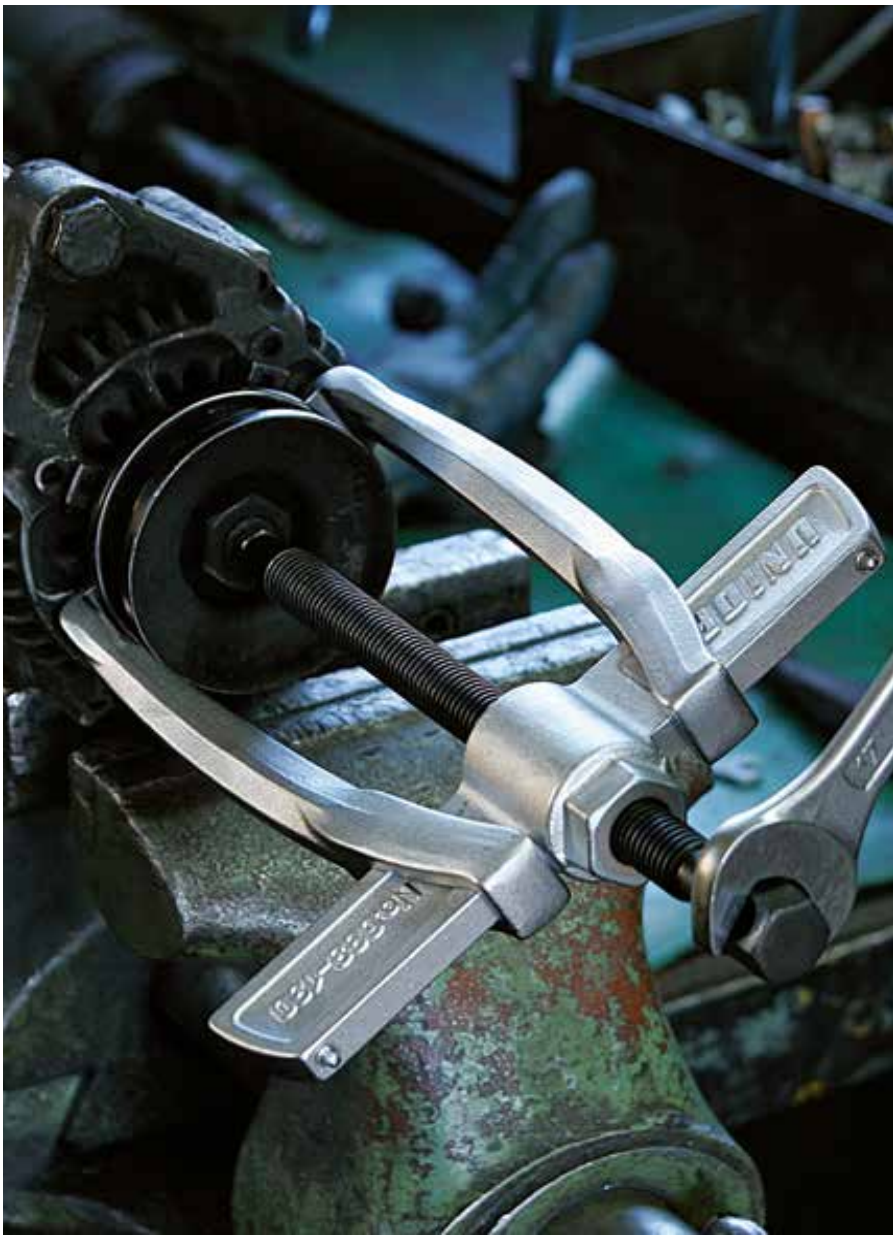
- by reversing the arms, the puller can be used as internal or external puller
- sturdy design for very heavy duty work



SKU	№	B	D1	D2	Lī	↔fmax	↔tmax	M	S	
601765	300	280	70 - 220	110 - 260	150	65	6.5	M 20 x 2	22	3355
601766	400	450	110 - 360	190 - 450	200	110	11	M 22 x 2	32	8725

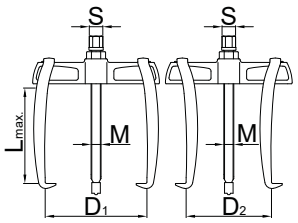
683/2

Puller with two sliding arms

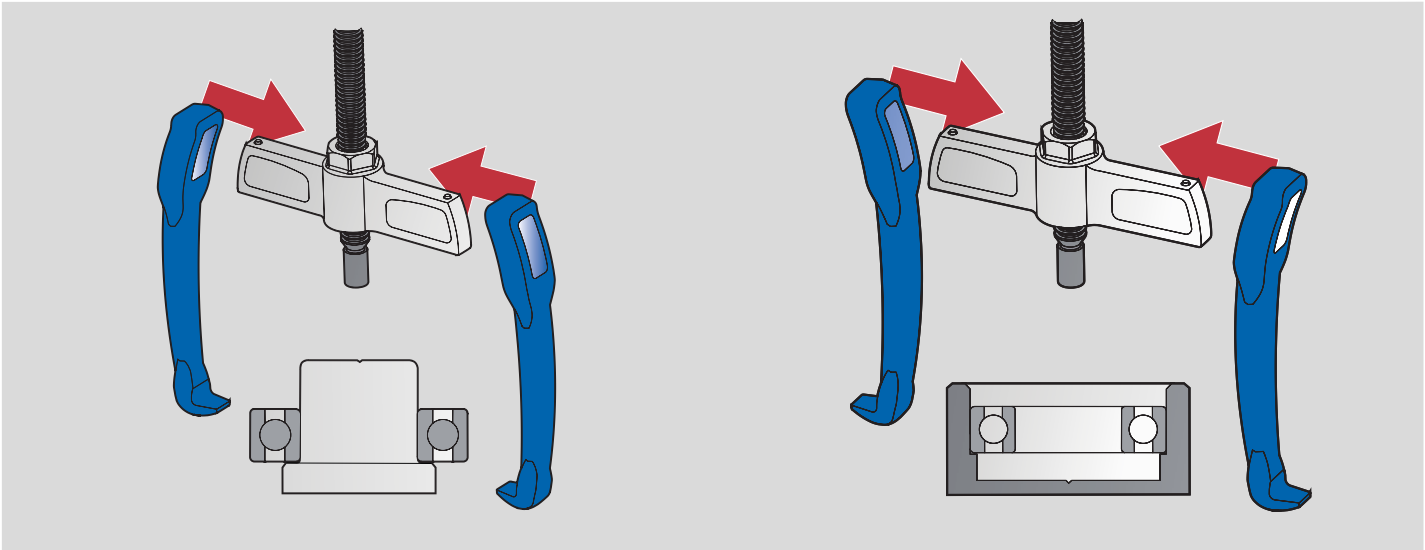


- material: body from premium flex plus carbon steel, arm from premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009, screw blackened
- lever action claws fit closely under the part to be removed

Advantages:
- by reversing the arms, the puller can be used as internal or external puller



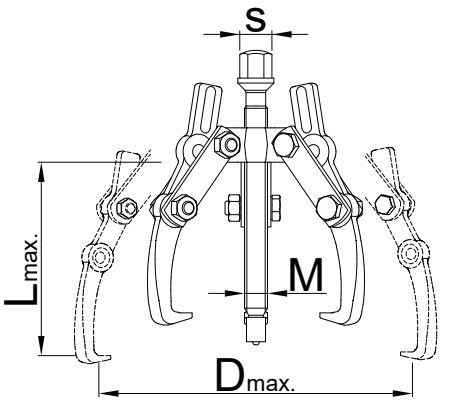
SKU	№	Li	D1	D2	iFmax	itmax	M	S	
615076	60	90	65	50 - 90	25	2.5	M 10x1	13	325
615077	90	90	90	50 - 110	25	2.5	M 10x1	13	395
615078	130	140	130	80 - 140	50	5	M 14x1,5	17	1125
615079	180	140	180	80 - 180	50	5	M 14x1,5	17	1225
615080	250	195	250	130 - 250	75	7.5	M 22x2	24	4025
615081	350	195	350	130 - 350	75	7.5	M 22x2	24	4525



682/2

Puller with three adjustable arms

- material: body from premium flex plus carbon steel, arm from premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009, screw blackened
- arms adjustable in two positions
- lever action claws fit closely under the part to be removed



SKU	№	Lī	Dī	⇥fmax⇥	⇥tmax⇥	M	S	
612604	0	90	90	25	2.5	M 10 x 1	13	305
601767	1	130	160	40	4	M 14 x 1,5	17	1725
601768	2	190	230	50	5	M 20 x 2	22	2570
601769	3	250	300	80	8	M 22 x 2	24	5100

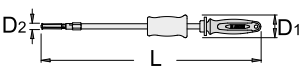
689/2BI

Inner bearing puller

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- ergonomic heavy duty double component handle

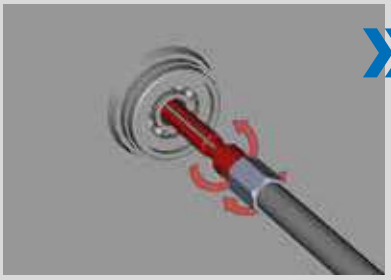
Advantages:
- Set includes 6 pcs of arm for inner bearing dimensions 6.5-8,10-12, 12-15, 17-20, 22-28, 30-36

Usage:
- It is used for pulling different types of bearings. The bearing is gripped from the inside side and pulled out.
- the bearing is extract with a 1 kg weight

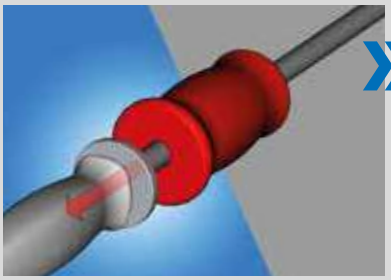


SKU	D1	D2¦	D2ī	L¦	Lī	
622587	52	6,5	36	495	555	3300

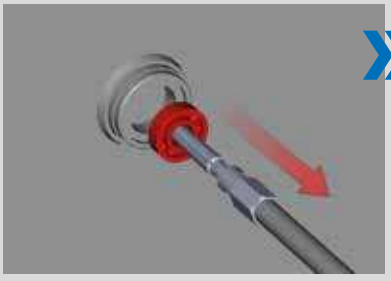
Before starting the application, you need to screw appropriate extractor dimension on the handle.



First inserted extractor through the hole in the bearing which will be dismount out of the housing. Then start to screwed thorn into extractor, which has a function that opens puller body, which adapts to the bearing bores.



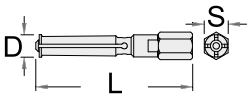
Start with steady hits dismounting bearing with help of sliding hammer.



After several strokes fast and easy dismount bearing from housing without damage.

689.1/4

Arm for 689/2BI



SKU	D"	L	S	
623089	6,5 - 8	81	14	38
623090	10 - 12	83	14	53
623091	12 - 15	92	14	65
623092	17 - 20	102,5	14	125
623093	22 - 28	125	17	269
623094	30 - 36	140	22	525

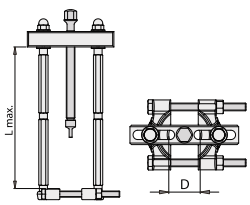
2026/2

Separator puller

- material: body from premium flex plus carbon steel, arm from premium chrome vanadium steel
- Surface finish of screws: burnished, other parts are chrome-plated
- The separator puller is a tool designed to efficiently dismount various machine parts attached to shafts.
- It is indispensable for tasks requiring the safe and deformation-free dismounting of firmly fixed machine parts.
- Our product range includes three sizes of pullers used for taking off objects from shafts. They range from Ø5mm to Ø115mm.

Advantages:

- The separator puller consists of a yoke, a spindle, two arms and a gripper assembly, which together allow uniform dismounting.
- The separator puller is designed to allow easy and safe operation

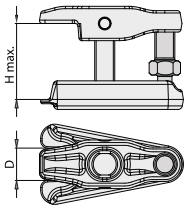


SKU	D	Lī	↦fmax	↦tmax	
619273	5 - 60	229	20	2	2160
619274	12 - 75	234	35	3.5	2930
619275	22 - 115	325	50	5	7180

2032/2

Ball joint puller

- material: premium flex plus carbon steel
- jaw capacity: 23mm
- maximal height: 53mm
- for extracting ball joints from steering wheel and suspensions



SKU	D	Hī	↦fmax	↦tmax	
619736	23	53	30	3	780

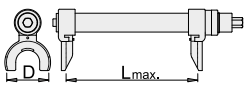
2051/4

Suspension compressor for shock absorber springs

- This Unior professional tool, under article number 2051, is intended for the removal of car shock absorbers and is mainly used to compress the springs in MacPherson struts. Since the number of versions of the MacPherson strut is always increasing, the tool set contains three different pairs of grippers that almost completely cover the range of different MacPherson struts. The tool set also includes a spacer bar for conical springs, which increases the usefulness of the Shock Absorber Remover. Development of this tool took safety into account as the large forces involved in removing shock absorbers may present a risk of injury to the user. For this reason, all grippers in the set feature enlarged grip edges to firmly grip the spring in the tool thus prevent any possibility of slipping, which could injure the tool user. The recommended load for the tool is 9000 N. The maximum load for the tool is up to 37000 N. The tool is supplied in a durable PVC case that enables easier and safer transportation.
- in set 2 cups 80 - 115, 2 cups 110 - 150 in 2 cups 140 - 195

How to use the tool:

- 1. Select the appropriate cup for your spring.
- 2. Place the remover on the spring.
- 3. START compressing the shock absorber spring.

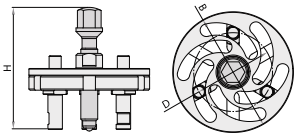


SKU	Lī		D	
619279	300	21	80 - 195	14600

2210/2

Timing pulley puller

- material: premium flex plus carbon steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009, screw blackened
- for removing pulleys with 3, 6, 9 slots
- This tool is designed for removing drive pulleys with face grooves. The tool removes a pulley absolutely free of any risk of damage. The tool is adaptable to different pulley diameters, as the legs are adjustable.

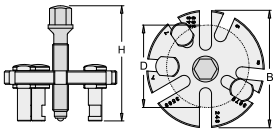


SKU	B	D	H	
620226	100	48 - 82	135	1085

2210/2A

Universal timing pulley puller

- material: premium flex plus carbon steel
- entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009, screw blackened
- for removing all types of pulleys with 2, 3, 4, 5, 6, 7, 8, 9 slots
- This tool is designed for removing drive pulleys with face grooves. The tool removes a pulley absolutely free of any risk of damage. The tool is adaptable to different pulley diameters, as the legs are adjustable.



SKU	B	D	H	
621780	100	48 - 82	135	800

1976/2

Adjustable oil-filter wrench

- material gripping arms: carbon tool steel
- for assembling or disassembling oil filters
- removes all type of oil filters from 60 to 120 mm diameter

Advantages:

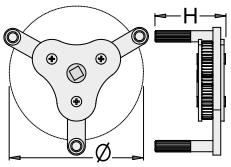
- arms are ribbed, for better gripping oil filters

How to use the tool:

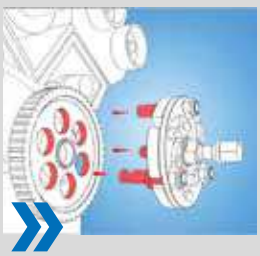
- As car repair shops usually need to replace various types of oil filters, we have developed a tool that can be used on the majority of standard ones. When used, the tool conforms to the filter as tightening it makes it grip the filter. The tool can be used on all filters with diameters ranging from 60 to 120 mm. Because of the limited space during changing, the tool is sized and adjusted to require as little space as possible. The hooks are ribbed to make them suitable for filters without an edge to allow gripping and which would be difficult to replace with conventional methods. The tool works in both directions and thus allows both the tightening and loosening of oil filters, as it adjusts and utilises the effort invested optimally in both cases.

Important!

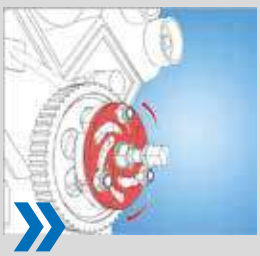
- used with ratchet 3/8" and proper extension bar



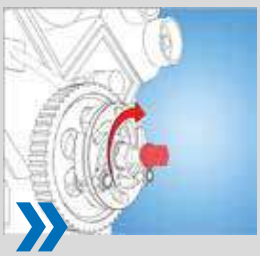
SKU	Øi	Øi		H	
619257	60	120	3/8"	60	635



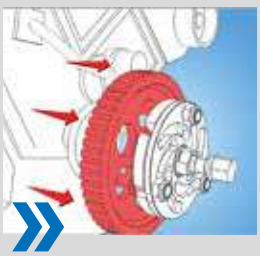
Insert puller legs into openings of pulley.



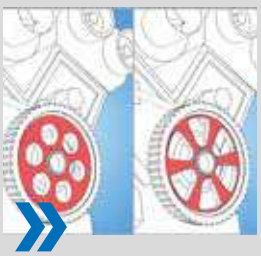
Turn setting plate to shift puller legs, so they tightly grasp to pulley.



Turn spindle clockwise until pulley comes off.



When finished working, remove puller.



Can be used for ...

1978/2

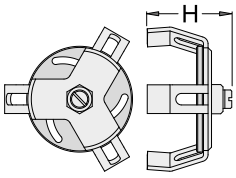
Wrench for reservoir

› material arms: carbon tool steel
› for removing plastic fuel tank nut
› for assembling or disassembling

Advantages:
› quick griping of fuel tank nut

How to use the tool:
› This tool has three removable hooks that grip the fuel tank cap firmly so it does not move. As access to this cap is usually difficult when making replacements, the tool is constructed so that it requires minimum space. Simply place the tool on the cap and rotate in the appropriate direction. The tool adapts to the cap itself and the cap can then be removed very quickly. The replacement of the cap is also straightforward. This tool ensures safe work and a long service life.

Important!
› use with socket or wrench dimension 22



SKU	D¡	Dī	⬡	H	
619266	120	155	22	73	670

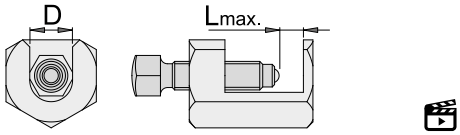
1941/2

Front windscreen wiper arm remover

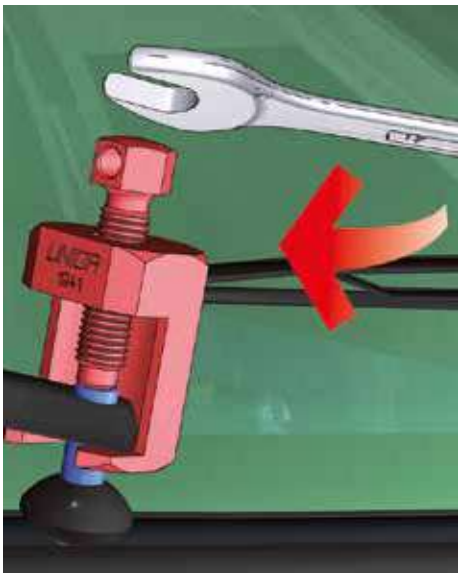
› material housing and spindle: carbon tool steel
› for removing front windscreen wiper arms
› for almost all types of cars

Advantages:
› protects plastic on housing of wiper arms

How to use the tool:
› This tool for the removal of the front windscreen wiper arms has a robust construction and enables the application of greater forces when removing front windscreen wiper arms that have become "glued" to the drive shaft as well as extending the service life of the tool. They are used for removing wipers that are elevated above the surface of the car body. Working with this tool is straightforward and quick.
› use with wrench dimension 17



SKU	L	Dī	
619270	120	155	670



HAMMERS, PUNCHES AND CHISELS

The world's first hand tools!

We can say with certainty that the hammer was the world's first tool. Nowadays, every single one of us uses it – from the housewife to the mechanic. Despite hidden developments, progress is nevertheless noticeable in the area of hammering tools. Today, there are different designs, with different characteristics, for the various possible types of work. The use is the same, but shape, weight and characteristics somewhat differ. Also today, the development of hammers has moved towards very specialised forms for special purposes, such as hammers made from plastics, hammers with a very precise weight, dead blow hammers and the like. It is continuous and comprehensive development dictated by needs and market developments.

SAFETY – of the user is ensured against the metal head detaching, as there is a quality mounted handle, secured by an additional metal / steel oval wedge. Also, a hardening of the impact part prevents breaking of the metal head when properly used.

DEAD BLOW – in the case of a hammer made of plastic, steel balls are inserted into the metal part of the head, which increase the impact force and prevent bounce-back from the surface.

VARIETY OF USES – made possible by chisels and punchers, which, together with hammers, allow for a variety of work with metal or stone.

WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

LOCKSMITH'S HAMMER	**184**
CARPENTER'S HAMMERS	**184**
SLEDGE HAMMERS	**185**
BUMPING HAMMERS	**185 - 186**
PUNCHES	**186 - 188**
CHISELS	**188 - 189**

Premium Flex +

Premium Flex Plus Carbon Steel

Efficiency and durability under considerable crushing and deformation stress

Construction and trade steels have special properties that guarantee their appropriate hardness, ductility and elasticity, as is required for tools such as setters, hammers and screw clamps, which are exposed to great force during hammering and clamping. Steels with a medium carbon content that are used to make tools have a higher carbon content, resulting in better durability. A suitable manganese content increases the tensile strength and ductility of the material, which is particularly important under high load conditions. The chrome content reduces the susceptibility to cracking, while the silicon content increases the elasticity of tool materials subjected to strong forces.

Medium carbon steel C45R, according to EU directive 2000/53/EC and the EN 10083-2 standards:

- 0,45% carbon for higher tensile strength and better tempering
- 0,70% manganese for higher tensile strength and ductility
- 0,35% chrome for higher tensile strength and lower susceptibility to cracking
- 0,20% silicon for higher elasticity

UNIOR® HAND TOOLS

A special procedure for the manufacture of hammers

Hammer

1. Cutting: Cutting material is the first operation in the technological procedure of wrench manufacturing. Optimum design of a cut provides optimal use of material.

2. Forging: Forging technology at Unior ensures excellent strength characteristics of wrenches. Notably, it maintains appropriate fiber orientation in a forged part, leaving it uninterrupted and the same as in a rolled blank. That characteristic of forged parts is vital for achieving the characteristics of products exposed to heavy and dynamic loads.

3. Trimming: Superfluous material around a forged part is removed using a special-purpose trimming tool; material is trimmed to the desired shape, always making the weight of trimmings as low as possible.

4. Broaching: The appropriate size of the hammer is achieved by broaching.

5. Heat treatment and sanding: Local heating and tempering of a hammer on the impact surface ensures a high degree of hardness for the functional part of Unior hammers. Annealing provides optimum microstructure and necessary hardness on impact surfaces. That ensures a long service life of hammers.

6. Coating: The surface is protected by electrostatic coating.

Handle

The handle is made using selected ash tree wood with the required characteristics in accordance with the DIN 68340 standard. It is protected with wax.

Forging part

7. Marking of a handle: Making the blue inscription, which also reminds the user to handle the hammer correctly.

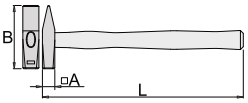
Assembly

8. Final assembly: The trained, skilled and meticulous workers performing the final assembly will assemble the product into a solid whole that ensures the functioning and high quality of the Unior hammers.

812

Locksmiths` hammer

- material: premium flex plus carbon steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- ash wood handle with special oval wedge
- made according to standard DIN 1041



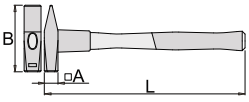
gr

SKU	gr	A	L	B	
601796	100	15	260	82	145
601797	150	17,5	280	88	225
601799	200	19	280	95	280
601801	250	21	300	100	340
601802	300	22,5	300	105	380
601803	400	25	310	112	487
601804	500	27,5	320	118	625
601805	600	30	330	122	720
601806	800	33	350	130	955
601807	1000	36	360	135	1150
601809	1500	42	380	145	1690
601810	2000	47	400	155	2195

812A

Locksmiths` hammer

- material: premium flex plus carbon steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- ash wood handle with protective plastic sleeve and fitted with roll pin and oval wedge
- made according to standard DIN 1041



gr

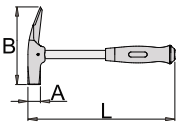
SKU	gr	A	L	B	
602537	300	22,5	300	105	380
602538	500	27,5	320	118	646
602539	800	33	350	130	960
603164	1000	36	360	135	1170

805A

Carpenters` hammer with magnet

- material: premium flex plus carbon steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- chrome plated metal tubular handle with plastic grip
- made according to standard DIN 7239

Advantages:
- with magnet



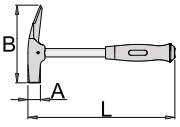
gr

SKU	gr	A	L	B	
605516	550	27	320	168	825

805

Carpenters` hammer

- material: premium flex plus carbon steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- chrome plated metal tubular handle with plastic grip
- made according to standard DIN 7239



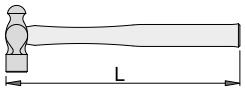
gr

SKU	gr	A	L	B	
601824	550	27	320	168	825

806

Ball-peen hammer

- material: premium flex plus carbon steel
- drop forged
- striking face and nose induction hardened
- ash wood handle



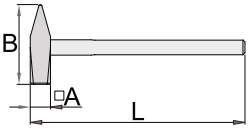
gr

SKU	gr	L	
612221	340	323	470
612222	454	348	605
612223	680	398	960
612224	910	398	1165

816

Sledge hammer

- material: premium flex plus carbon steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- ash wood handle with special oval wedge
- made according to standard DIN 1042



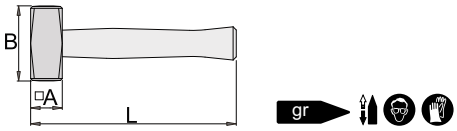
gr

SKU	gr	A	L	B	
601812	3000	56	600	160	3395
601813	4000	62	700	174	4395
601814	5000	68	800	184	5595
601816	8000	80	900	208	8390

817

Club hammer

- material: premium flex plus carbon steel
- drop forged
- striking faces induction hardened
- surface finish: lacquered
- ash wood handle with special oval wedge
- made according to standard DIN 6475

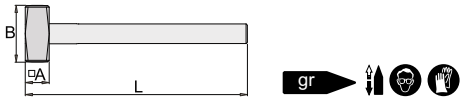


SKU	gr	A	L	B	
601840	1000	40	260	95	1065
601841	1250	43	260	100	1305
601842	1500	45	280	115	1525
601843	2000	50	300	120	2050

818

Sledge hammer

- material: premium flex plus carbon steel
- drop forged
- striking faces induction hardened
- surface finish: lacquered
- ash wood handle with special oval wedge
- made according to standard DIN 6475



SKU	gr	A	L	B	
601844	3000	57	600	140	3455
601845	4000	62	700	150	4595
601847	5000	68	800	160	5720
601848	6000	72	800	170	6570
601849	8000	82	900	180	9195
601850	10000	85	900	200	10595

819A

Dead blow hammer

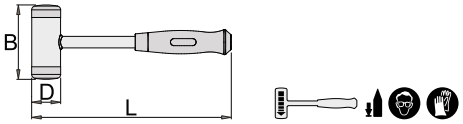
- metal balls in the head absorb the impact
- those granulate absorb the impact
- lacquered metal housing
- lacquered metal tubular handle with plastic grip
- polyurethane faces are unchangeable
- high security

Advantages:

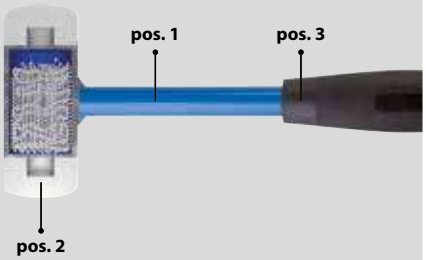
- Advantage over an ordinary hammer is that it doesn´t bounce back from the object because of the steel granulate which absorb the impact.
- Steel balls in the hammer head prevents rebound and adds additional striking force.
- Less handle vibration while striking!

Usage:

- Hammer is used for mounting ball bearings, for furniture assembly, interior and exterior lay paving.
- Not recommended for use on sharp objects. Strike on sharp objects can damage polyurethane face of the hammer.



SKU	D	L	B	
615034	45	315	116	866
628815	55	345	114	1250



STRUCTURE AND MATERIAL:

- *Hammer is composed of casing with handle (Pos. 1), accessory (Pos. 2), coil and filling*
- *Casing with handle is made of pipe (alloyed steel) which is distinguished with great density and is resist to mechanical injuries and can take great strains. The surface is protected by powder lacquering which ensures that it is not sensitive for surface damages*
- *The accessory is made out of plastic substance which is distinguished by great resilience in all weather conditions and take great strains under blow pressure*
- *The coil is made of plastic material which feels pleasant to the touch and does not slip from the hand*
- *It is ergonomically shaped and thus enables a good grip.*

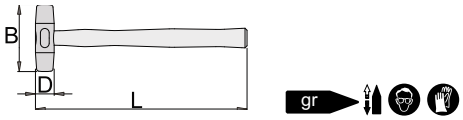
THE WAY OF USE:

- *Hammer is used for hammering, adjustment, moving of different objects which must not be harmed. It has an advantage ahead of ordinary hammers with plastic accessory that it does not bounce on impact from surface and thus the impact of the hammer force is increased.*

820

Plastic hammer

- material: cellidor, hardness 60-70 shore D
- oil resistant
- grey cast head
- wooden handle, lacquered
- intended for working soft and easily damaged materials

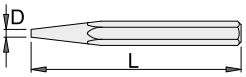


SKU	D	L	B	
601832	22	260	80	165
601833	27	280	90	245
601834	32	300	100	321
601835	40	320	112	565
601836	50	360	120	830

640/6

Drift punch

- material: premium chrome vanadium steel
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6458

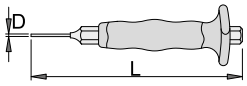


SKU	D	L		
601702	1	120	10	64
601703	2	120	10	69
601704	3	120	10	70
601705	4	120	10	72
601706	5	120	10	73

641/6HS

Pin punch with handle

- material: premium chrome vanadium steel
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- ergonomic heavy duty double component handle
- made according to standard DIN 6450

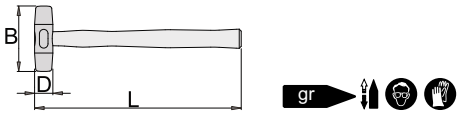


SKU	D	L		
619759	2	150	10	81
619760	3	150	10	76
619761	4	150	10	79
619762	5	150	10	83
619763	6	150	10	86
619764	8	150	12	99

820A

Plastic hammer

- material: polyuretan, hardness 45 - 55 shore D
- oil resistant
- grey cast head
- wooden handle, lacquered
- very tough and unbreakable material that allows versatility of use

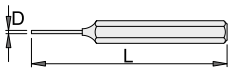


SKU	D	L	B	
605491	22	260	80	160
605492	27	280	90	230
605493	32	300	100	335
605494	40	320	112	535
605495	50	360	120	870

641/6

Pin punch

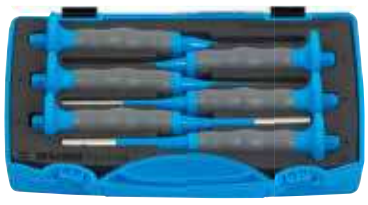
- material: premium chrome vanadium steel
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6450



SKU	D	L		
601711	2	150	10	65
601712	3	150	10	44
601713	4	150	10	73
601714	5	150	10	73
601715	6	150	10	78
601716	7	150	12	108
601717	8	150	12	115
601719	10	150	12	126

641/6HSPB

Set of pin punches with handle in plastic box



- Dimension of box: 197 x 167 x 47

Set includes:

- 6x pin punch with handle (article 641/6HS) dim. 2, 3, 4, 5, 6, 8

SKU		
620066	2 - 8	6

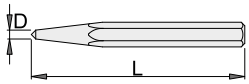
MADE FOR WORK.

EUROPEAN QUALITY eqtm®

642/6

Centre punch

- material: premium chrome vanadium steel
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7250

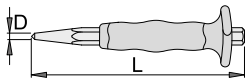


SKU	D	L		
601724	3	100	8	38
601725	4	120	10	70
601726	5	120	10	93

642/6HS

Centre punch with handle

- material: premium chrome vanadium steel
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- ergonomic heavy duty double component handle
- made according to standard DIN 7250



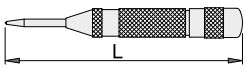
SKU	D	L		
620118	5	120	10	83

642A

Automatic centre punch

- machine steel
- replaceable pin, entirely hardened and tempered
- surface finish: nickel plated

Advantages:
- rugged self-striking mechanism, activated by downward pressure
- adjustable force



SKU		L	
616810	60 - 130	125	70

645

Chisel and punch set

Set includes:
- 3x drift punch (article 640/6) in dim. 2, 4, 6
- 1x centre punch (article 642/6) in dim. 3
- 1x mason`s chisel (article 660/6A) dim. 125
- 1x pointed chisel (article 670/6A) dim. 125

SKU	
601739	6

646

Drift and centre punch set

Set includes:
- 5x drift punch (article 640/6) in dim. 2, 3, 4, 5, 6
- 1x centre punch (article 642/6) in dim. 3

SKU	
601737	6

646A

Drift and centre punches set

Set includes:
- 1x drift punch (article 640/6) in dim. 4
- 2x centre punch (article 642/6) in dim. 3, 4

SKU	
620178	3

647

Pin punch set

Set includes:
- 6x pin punch (article 641/6) dim. 2, 3, 4, 5, 6, 8)

SKU		
601738	2 - 8	6

647A

Pin punches set

Set includes:
- 3x pin punch (article 641/6) dim. 3, 4, 5

SKU		
620176	3 - 5	3

647B

Pin punches set

Set includes:
- 3x pin punch (article 641/6) dim. 6, 8, 10

SKU		
620177	6 - 10	3

642LPB

Set of letter steel punches

- material: premium flex plus carbon steel
- surface finish: anticorrosive oiled
- Set of 27 punches with letters from A to Z and & sign
- made according to standard DIN 1451

SKU		
620945	6	1240
620946	8	1850
620947	10	2405

642NPB

Set of number steel punches

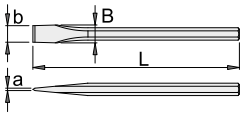
- material: premium flex plus carbon steel
- surface finish: anticorrosive oiled
- Set of 9 punches with numbers from 0 to 8
- made according to standard DIN 1451

SKU	⟼	
620941	6	420
620942	8	643
620943	10	800

660/6

Flat chisel

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6453



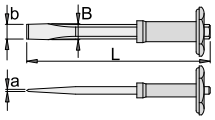
SKU	L	b x a	B	
604267	100	16 x 3	16	90
601732	150	19 x 3	19	183
604242	175	22 x 3	22	283
601733	200	25 x 3	24	388
601734	250	26 x 4	24	506

MADE FOR WORK.

660/6HS

Flat chisel with guard

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6453

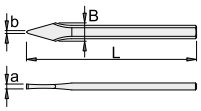


SKU	L	a x b	B	
608484	250	4 x 26	24	615

670/6

Cross chisel

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6451

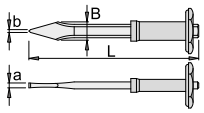


SKU	L	a x b	B	
601747	150	7 x 3	23	172
601748	200	10 x 3	28	302

670/6HS

Cross chisel with guard

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6451

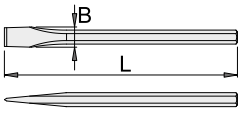


SKU	L	a x b	B	
608485	250	10 x 3	30	545

660/6A

Mason`s chisel

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7254

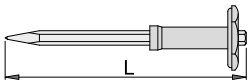


SKU	L	⬣	B	
608554	125	10	12	76
608492	250	16	23	403
608493	300	18	26	612

670/6AHS

Pointed chisel with guard

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7256

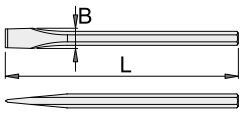


SKU	L	⬣	
608489	250	16	532
608490	300	18	713
608491	350	18	784

665/6A

Electrician`s chisel

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered

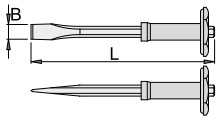


SKU	L	⬣	B	
608500	250	8	11	110
608501	250	10	12	160

660/6AHS

Mason`s chisel with guard

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7254

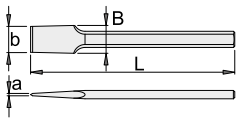


SKU	L	⬣	B	
608497	250	16	23	529
608498	300	18	26	758
608499	350	18	26	848

667/6A

Jointing chisel

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered

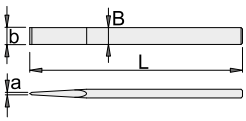


SKU	L	a x b	B	
608671	250	4 x 49	49	480

666/6A

Slitting chisel

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered

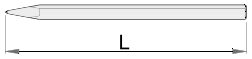


SKU	L	a x b	B	
603477	240	3 x 28	28	315

670/6A

Pointed chisel

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7256

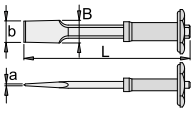


SKU	L	⬣	
604174	250	16	390
608486	300	18	578

667/6AHS

Jointing chisel with guard

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered

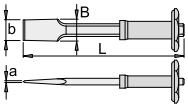


SKU	L	a x b	B	
609286	250	4 x 49	49	625

666/6AHS

Slitting chisel with guard

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered

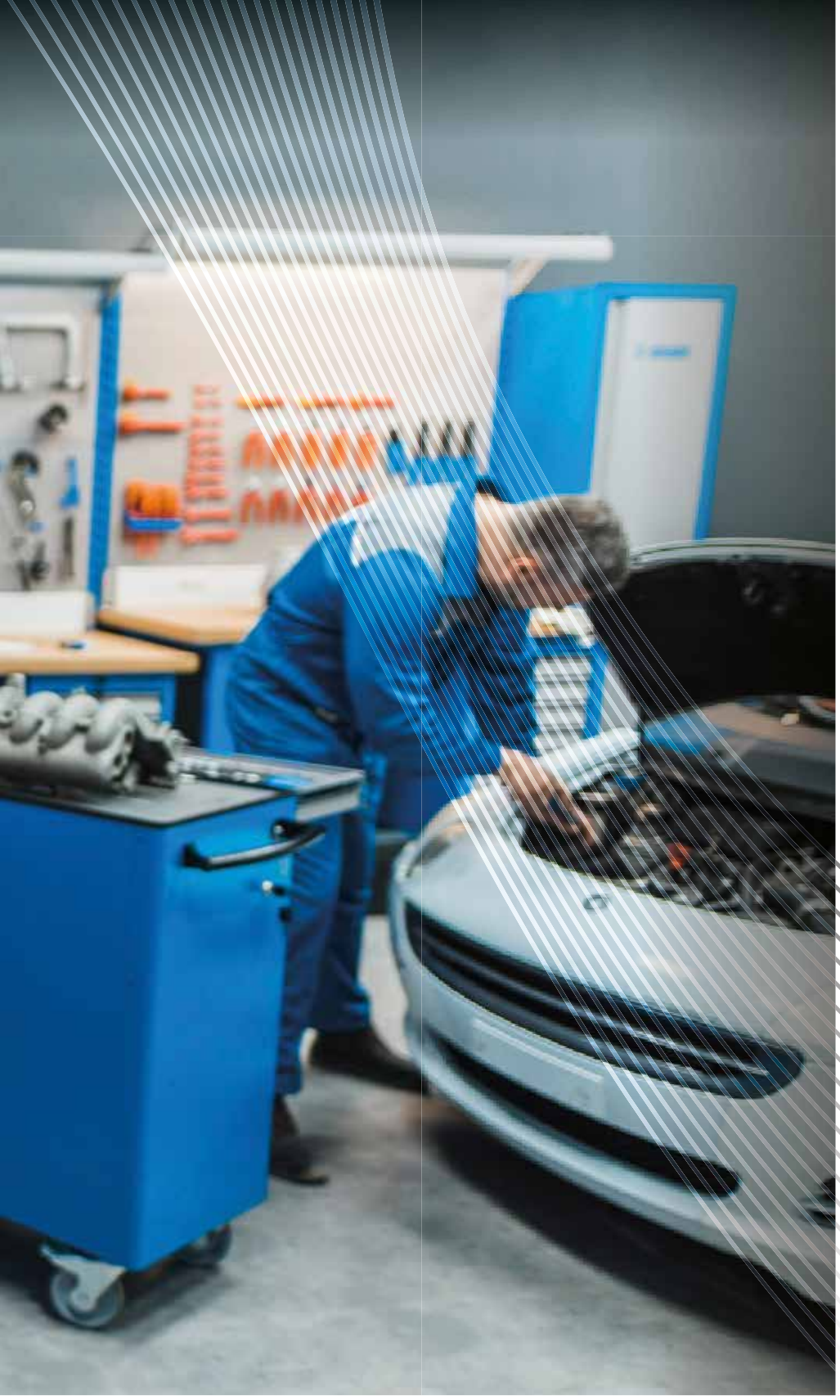


SKU	L	a x b	B	
608503	240	3 x 28	28	459

WORKSHOP EQUIPMENT

An orderly working environment has never been more important than today!

If it was once considered that it was only important for a true artisan to have their own workshop, now it is considered that the workshop should also be comprehensively arranged and designed. Care for a well-kept workspace is becoming crucial, as working environments are these days often in the public eye. This is why we offer comprehensive solutions at Unior; from workshop design to layout and equipment, that can be 100% adapted to an individual's needs and wishes.

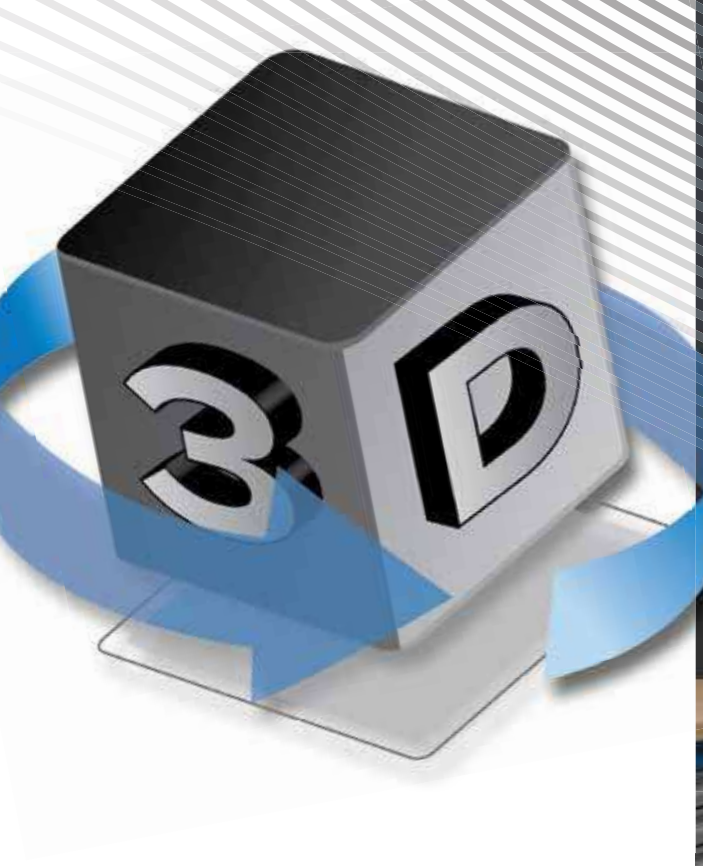


LOAD CAPACITY – trolleys and other workshop equipment are characterised by high permissible dynamic and static load, which is the result of the selection of high-quality sheet metal, and precise execution and installation.

TRANSPARENCY – trolleys and other workshop equipment have 100% pull-out drawers, which together with the inserts give the user a complete overview of the tools stored in the drawers.

COMPLETENESS – a wide range of diverse products allows individual users, service centres or industrial workshops to set up equipment that fully meets the needs of the user. You can also set up your dream workshop in the configurator application.

TOOL CARRIAGES	**196 - 213**
WORK BENCHES	**214 - 235**
LEAN MANUFACTORING SYSTEM	**217 - 221**
TOOL CHESTS	**236 - 237**
TOOL BOXES	**238 - 241**
TOOL CABINETS	**242 - 243**
TOOL CASES AND BAGS	**243 - 244**
MERCHANDISERS	**245**



Unior 3D Configurator – for full realisation of your wishes and needs, for a tidy working environment!

Therefore, we at Unior have developed the so-called 3D Configurator, which enables our craftsmen and other home users to draw up and customise the workspace according to their wishes and needs. In addition to individually adapted solutions, safety is also crucial, which is made possible by locking in place the work surfaces themselves and organisation of the drawer inserts.

Unior 3D configurator is a perfect tool for setting up your workshop in 3D. It provides our partners and customers with easier and more transparent shopping experience. It is simple to use while providing you with all necessary designing tools.

Configurator for business public

We have developed special licensed version of the Unior 3D Configurator for our business partners.

As registered users they can export the project past so-called "Ticketing" system and prepare an offer directly to the customer. It gives sales personnel possibility to give their customers completed offer which will include 3D layout of their future shop.

For more information visit **www.uniortools.com**

IT IS INTENDED FOR END USERS AND FOR DISTRIBUTORS.

FREE LIFETIME USE.

ENABLES SETTING UP A PRECISE 3D REPLICA OF YOUR AVAILABLE SPACE.

ALL WORKSHOP EQUIPMENT IN 1:1 SCALE.

EASY TO USE.

POSSIBLE EXPORT OF LAYOUT AND LIST OF ITEMS TO YOUR COMPUTER.

Try Unior 3D Configurator today and be among the first to experience completely customized and uniquely designed workspace!

Premium +
QualiCoat

Premium Plus sheet - excellent mechanical properties!

Unior carts and worktops are designed so that the tool is clearly at hand, and its storage is efficient and safe. Carts and counters are made of cold-rolled sheet metal, of superior quality, and its features are surface smoothness and improved thickness tolerance. High-quality sheet metal and construction details, such as optimal reinforcements on the more heavily loaded parts, ensure greater stability.

Qualicoat - friendly to the environment and people!

Unior products are protected against corrosion. High-quality epoxy ECO paints are applied to them by powder coating, which are environmentally friendly, do not contain heavy metals and are harmless to humans. All this is also proven by the certificate of the International Institute for Public Health. The color coating, with a thickness of around 90 microns, ensures excellent mechanical properties and exceptional resistance to weather influences.

EUROPEAN QUALITY
eqtm®

A special procedure for the manufacture of the carriage

1. Housing manufacture: The cover, bottom, left pillar, right pillar and black wall are first stamped out from a reel on a CNC stamping machine, then bent on a CNC bending machine.

2. Manufacture of wheel holders and handle reinforcement: The wheel holder is first cut with shears, bent on a tool (in two stages), pierced and threaded for wheels. The handle brace is stamped out from a reel on a CNC stamping tool, then bent on a CNC bending machine and riveted onto the left pillar.

3. Housing welding: Then all the elements are loaded into a robotic cell for housing welding and the entire housing is welded before being transported for varnishing.

Drawer production

Drawer 70 is stamped out from a reel on a CNC stamping machine, then bent on a CNC bending machine, pressed on a tool and spot welded using a spot welding device. The drawer is thus ready for coating.

Drawer 160 is stamped out from a reel on a CNC stamping machine, then bent twice on a CNC bending machine, pressed on a tool and spot welded using a spot welding device. The drawer is thus ready for coating.

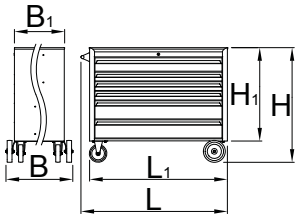
A lifting rod is cut out with a laser on a laser cutting machine, pressed on a tool, bent on a CNC bending machine and then transported for coating. After coating, all the elements are ready for the ASSEMBLY of the carriage, which is carried out on the assembly line.

The assembly includes the following actions:

- Serigraphy of the drawers
- Assembly of the drawers (the lifting rod and guides are riveted to the drawer and a synthetic lining is inserted)
- Serigraphy of the housing
- Placing the synthetic lining and border onto the carriage cover
- Assembly of the lock and the locking mechanism
- Riveting the guides onto the housing
- Inserting the drawers
- Examining the carriage and inserting the wheels and handles into the drawer
- Packaging the carriage in Styrofoam using a specialpackaging device
- Final packed products

940JUMBO1

Tool carriage Jumbo



- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- oil and acid resistant casters of a diameter of 160mm, two with brake, which blocks spinning and swiveling of the caster, fixed custers of diameter 200mm
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with non-slip interior synthetic lining
- coated with eco colour of Qualicoat quality standard
- 6 front drawers (1x L 1126 x W 570 x H 110mm, 3x L 1126 x W 570 x H 70mm, 2x L 1126 x W 605 x H 150mm)
- basic dimensions with handle and casters L 1337 x W 825 x H 1047 mm
- total volume of drawers: 400 litres
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 600 kg
- capacity of front drawers: 90 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

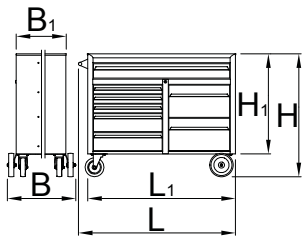
Advantages:

- extra large working surface 1250 x 670 mm
- extra large drawers
- upper working surface with raised edges of 35mm in height, which is meant to contain tools and working items
- big casters enable easy moving of carriage
- model with drawers
- The increased depth of the top drawer enables to store all sockets, including long sockets, in an upright position. This gives maximum space efficiency and increases the number of tools that can be stored in the drawer compared to traditional shallow drawers. In an upright position can be stored all tools in larger dimensions till maximum height of 110mm.

SKU	L	L1	L2	B	B1	H	H1	
628931	1337	1258	1080	825	680	1047	856	156500

940JUMBO2

Tool carriage Jumbo



- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- oil and acid resistant casters of a diameter of 160mm, two with brake, which blocks spinning and swiveling of the caster, fixed custers of diameter 200mm
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with non-slip interior synthetic lining
- coated with eco colour of Qualicoat quality standard
- 8 front drawers (1x L 1126 x W 570 x H 110mm, 3x L 563 x W 570 x H 70mm, 2x L 563 x W 605 x H 150mm, 2x L 484 x W 605 x H 265mm)
- basic dimensions with handle and casters L 1337 x W 825 x H 1047 mm
- total volume of drawers: 400 litres
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 600 kg
- capacity of front drawers: 90 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

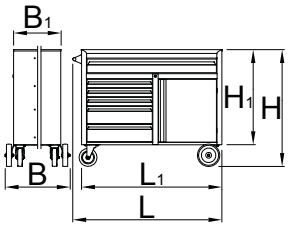
Advantages:

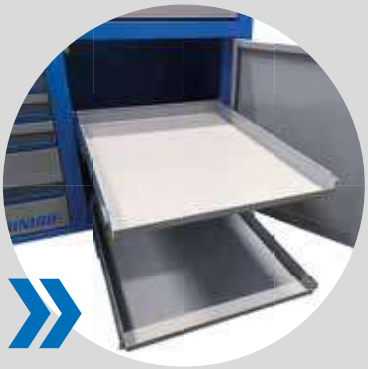
- extra large working surface 1250 x 670 mm
- upper working surface with raised edges of 35mm in height, which is meant to contain tools and working items
- include extra large drawer
- big casters enable easy moving of carriage
- model with drawers
- The increased depth of the top drawer enables to store all sockets, including long sockets, in an upright position. This gives maximum space efficiency and increases the number of tools that can be stored in the drawer compared to traditional shallow drawers. In an upright position can be stored all tools in larger dimensions till maximum height of 110mm.

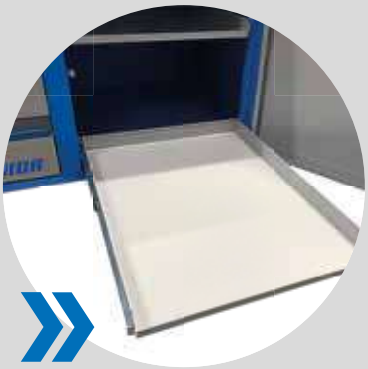
SKU	L	L1	L2	B	B1	H	H1	
628932	1337	1258	1080	825	680	1047	856	140400

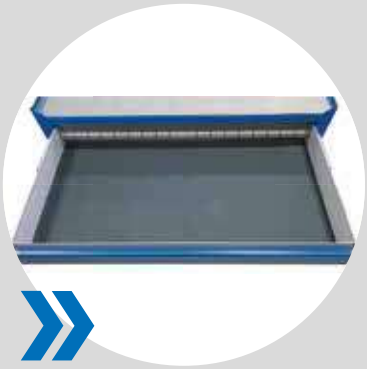
940JUMBO3

Tool carriage Jumbo









- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- oil and acid resistant casters of a diameter of 160mm, two with brake, which blocks spinning and swiveling of the caster, fixed custers of diameter 200mm
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with non-slip interior synthetic lining
- coated with eco colour of Qualicoat quality standard
- 6 front drawers (1x L 1126 x W 570 x H 110mm, 3x L 563 x W 570 x H 70mm, 2x L 563 x W 605 x H 150mm)
- basic dimensions with handle and casters L 1337 x W 825 x H 1047 mm
- total volume of drawers: 322 litres
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 600 kg
- capacity of front drawers: 90 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

Advantages:

- extra large working surface 1250 x 670 mm
- upper working surface with raised edges of 35mm in height, which is meant to contain tools and working items
- include extra large drawer
- big casters enable easy moving of carriage
- model with drawers and cabinet with two pullout shelfs
- The increased depth of the top drawer enables to store all sockets, including long sockets, in an upright position. This gives maximum space efficiency and increases the number of tools that can be stored in the drawer compared to traditional shallow drawers. In an upright position can be stored all tools in larger dimensions till maximum height of 110mm.

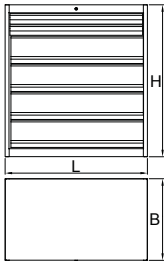
MADE FOR WORK.

SKU	L	L1	L2	B	B1	H	H1	
626250	1337	1258	1080	825	680	1047	856	156000

991HD

Heavy duty drawer cabinet

- heavy duty and durable cabinet construction
- cabinet dimensions: L1221 × W700 × H1304 mm
- 6 drawers: 2 in size L1106 × W596 × H72 mm with capacity 90 kg and 4 in size L1106 × W596 × H198 mm with capacity 180 kg
- total drawer volume: 522 liters
- 100% extension drawers with high quality ball bearing slides
- central locking system with a lock and folding key
- block safety system prevents simultaneous opening of more than one drawer. When one drawer is opened, all other drawers are locked and cannot be opened, which prevents drawer from tipping over.
- customization – divide drawers with the use of partitions and dividers according to your needs
- made of premium PLUS sheet metal
- painted with eco colors of Qualicoat quality standard



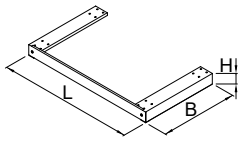
SKU	L	B	H	
628257	1121	700	1304	215000

991HD.BASE

Heavy duty tool chest underbase

***NEW**

- material: premium PLUS sheet metal
- Underbase for heavy duty drawer cabinet can be mounted under the cabinet in order to raise the cabinet from the floor and enables it to be moved by forklift of pallet carrier.

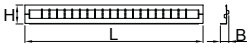


SKU	L		B	H
628824	1218	8800	697	100

EUROPEAN QUALITY eqtm®

991.1HDS

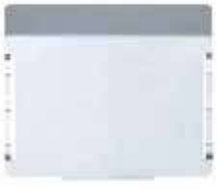
Set of partitions for 991HD small drawer, 3 pieces

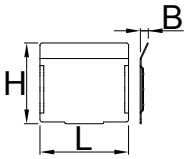


SKU	L	B	H	
628266	596	28.2	63	1150

991.11HDS

Set of dividers for 991HD small drawer, 5 pieces

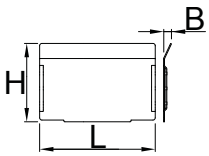




SKU	L	B	H	
628267	74.7	7	68	162

991.12HDS

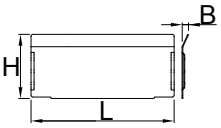
Set of dividers for 991HD small drawer, 5 pieces



SKU	L	B	H	
628268	100.5	7	68	220

991.13HDS

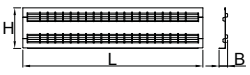
Set of dividers for 991HD small drawer, 5 pieces



SKU	L	B	H	
628269	152	7	68	339

991.2HDS

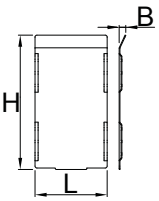
Set of partitions for 991HD big drawer, 3 pieces



SKU	L	B	H	
628270	596	28	134	2147

991.21HDS

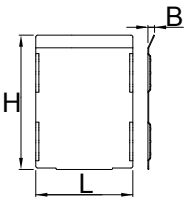
Set of dividers for 991HD big drawer, 5 pieces



SKU	L	B	H	
628271	74.4	7	139	332

991.22HDS

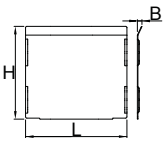
Set of dividers for 991HD big drawer, 5 pieces



SKU	L	B	H	
628272	100.5	7	139	450

991.23HDS

Set of dividers for 991HD big drawer, 5 pieces

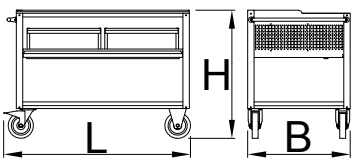


SKU	L	B	H	
628273	152	7	139	696

991LMS.T1

Service Trolley

- Save yourself the unnecessary carrying of heavy loads or inserts. The service trolley with 300 kg of load capacity allows the transport of two inserts on trays and other equipment at the same time, which will optimize your work process.
- material: premium PLUS sheet metal
- for transporting two trays containing SOS inserts which we place in a drawer, and two storage surfaces for transporting various parts, with the total carrying capacity of 300kg
- casters of 200mm in diameter with roller bearings
- handle for easier handling around an area
- upper working surface with raised edges of 25mm in height, which is meant to contain tools and working items
- the drawer can hold two metal trays with foam inserts and can be pulled out, enabling easy access to the tools
- capacity of drawer: 30 kg
- coated with eco colour of Qualicoat quality standard



SKU	L	B	H	L1	H1	
628540	1350	800	1000	1423	767	123000

Exceptional design for high level work-flow!

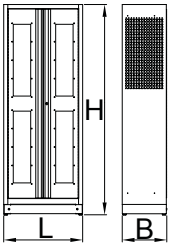
LMS
lean manufacturing system by UNIOR

LEAN MANUFACTORING SYSTEM

Unior »Lean Manufactoring system« is a new line of products that creates a structured, optimized workflow and enables a well-organized workspace. The LMS system enables storing, charging, transport and the use of battery charged or regular hand tools, spare parts, documents and other materials and documents, used in your production line. The LMS has been designed along the 5S methodology, the five S being taken from five japanese principles: Seiri – separate, seiton – organize, seiso – clean, seiketsu – standardize, shitsuke – sustained usage). The purpose of the 5S system is to create a higher level of the work process without losses or bottlenecks at each workplace.

991LMS.C1

Cabinet organizer for documents

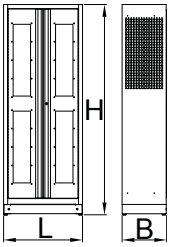


- The cabinet organizer for documents is an ideal solution for systematically organized documentation, safely stored behind see-through doors for extra visibility. It features four adjustable shelves and a wide-open door option. Its walls are perforated, which allows the installation of additional accessories that will make the space additionally optimized.
- material: premium PLUS sheet metal
- door locked with lock and folding key
- plexiglass door for viewing the cabinet interior
- the doors open 180°
- unlocked doors are held by magnets
- includes 4 shelves which can be customised on 9 vertical positions
- the shelves basically have spacing of 342mm
- the bottom of cabinet serves as the fifth, fixed shelf
- the shelves are reinforced
- the side parts of the cabinet in the upper part are perforated for attaching accessories
- the cabinet bottom is made in such way that it allows the cabinet to be moved with standard transport equipment such as forklifts and hand pallet trucks
- basic dimensions of cabinet L 770 x W 430 x H 2052mm
- coated with eco colour of Qualicoat quality standard

SKU	L	B	H	
628541	770	430	2052	80000

991LMS.C2

Cabinet organizer for tool trays

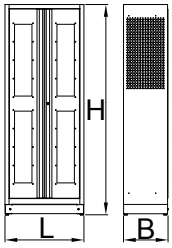


- Cabinet organizer for tool trays with nine shelves allows a visible and structured way of storing tools. The trays are slanted for visibility purposes, but can also be mounted in a horizontal position. The trays fit the standard 3/3 inserts with slots for various hand tools. The trays fit the trolleys and are easily replaceable.
- material: premium PLUS sheet metal
- door locked with lock and folding key
- plexiglass door for viewing the cabinet interior
- the doors open 180°
- unlocked doors are held by magnets
- includes 9 shelves at a 20° angle for a better overview of the tools in SOS inserts
- 9 metal trays for storage and transport of 3/3 SOS foam trays are included in delivery of the cabinet
- a shelf with a front edge for limiting the tray
- the shelves basically have spacing of 170mm
- the shelves are reinforced
- the side parts of the cabinet in the upper part are perforated for attaching accessories
- the cabinet bottom is made in such way that it allows the cabinet to be moved with standard transport equipment such as forklifts and hand pallet trucks
- basic dimensions of cabinet L 770 x W 430 x H 2052mm
- coated with eco colour of Qualicoat quality standard

SKU	L	B	H	
628542	770	430	2052	116000

991LMS.PS1

Tool charging station



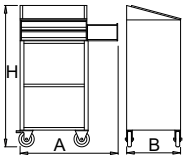
- The charging station has direct connection to the power grid. With four shelves, it allows you to charge battery tools or connect other electrical accessories, such as your phone, laptop, and other smart devices. It is an indispensable element of a modern workshop.
- material: premium PLUS sheet metal
- door locked with lock and folding key
- plexiglass door for viewing the cabinet interior
- the doors open 180°
- unlocked doors are held by magnets
- includes 4 shelves, the upper 2 are fixed, the lower two are adjustable
- the upper two shelfs are designed for charging batteries and smart devices. Each include a bank of twelve main outlets.
- the upper shelves are perforated for extracting hot air
- the shelves are reinforced
- the side parts of the cabinet in the upper part are perforated for an easier extraction of hot air. Perforation serves as a means to attach accessories
- the cover contains a plate with the mains switch, protective switches for the splitters and a thermostat, which can be regulated between 0 and 60 °C
- the cover also contains a ventilator allowing the air to flow at 160 m3/h, which is activated at the set temperature and removes hot air from the cabinet, it includes a protective mesh netting and filter at the front, and the cover above the ventilator contains perforation for removing air
- main plugin cable, lenght of 5 m, 5x16 A 400 V
- the cables are hidden in ducts
- all electronics are marked with appropriate stickers
- all cabinet parts are grounded
- the cabinet bottom is made in such way that it allows the cabinet to be moved with standard transport equipment such as forklifts and hand pallet trucks
- basic dimensions of cabinet L 770 x W 430 x H 2052mm
- coated with eco colour of Qualicoat quality standard

SKU	L	B	H	
628543	770	430	2052	90000

994

Mobile control trolley

- material: premium PLUS sheet metal
- working surface with mobile durable plate with buckle, size landscape A3
- raised edge for preventing plate slippage
- mobile phone stand
- holes for pen storage
- deepened storage surface for accessories
- 2 drawers L 563 x W 365 x H 70mm
- drawers can be modified with partitions set 940ES3A or 940ES3
- 2 storage surfaces in the lower part of the trolley
- ergonomic handle
- central locking system with a lock and folding key
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- basic dimensions with handle and casters L 770 x W 460 x H 1252mm
- maximum capacity of each drawer: 45kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

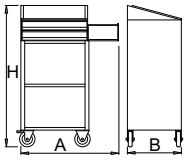


SKU	L	L1	B	B1	H	H1	
612208	770	673	460.5	440	1252	1125	39000

994-BLACK

Mobile desk

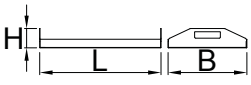
- material: premium PLUS sheet metal
- working surface with mobile durable plate with buckle, size landscape A3
- raised edge for preventing plate slippage
- mobile phone stand
- holes for pen storage
- deepened storage surface for accessories
- 2 drawers L 563 x W 365 x H 70mm
- drawers can be modified with partitions set 940ES3A or 940ES3
- 2 storage surfaces in the lower part of the trolley
- ergonomic handle
- central locking system with a lock and folding key
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- basic dimensions with handle and casters L 770 x W 460 x H 1252mm
- maximum capacity of each drawer: 45kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3



SKU	L	L1	B	B1	H	H1	
628215	770	673	460.5	440	1252	1125	47500

991LMS.S1

Storage&transport metal tray



- A metal tray for a standard 3/3 insert allows storage and transfer of tools from the cabinet to the trolley or vice versa; exactly where you need it.
- material: premium PLUS sheet metal
- the sides hold back larger holes as handles with a plastic edge for an easier grip
- metal tray compatible with Unior 3/3 tool trays
- coated with eco colour of Qualicoat quality standard

SKU	L	B	H	
628544	565	367	90	2340

994W

Mobile control trolley with tool rack wall

- This mobile, adjustable, safe and stable trolley with a perforated wall ensures that you won't have to take any unnecessary transport routes during your work. It provides a tidy workplace, excellent accessibility to resources, basic tools and documentation. The perforated wall allows the installation of additional storage elements and improves the visibility of the workplace. The mobile control trolley features a portable work surface, and item security is ensured by a locking system. It is useful in workshops, production and everywhere in lean manufacturing (LMS).
- material: premium PLUS sheet metal
- working surface with mobile durable plate with buckle, size landscape A3
- raised edge for preventing plate slippage
- mobile phone stand
- holes for pen storage
- deepened storage surface for accessories
- 2 drawers L 563 x W 365 x H 70mm
- drawers can be modified with partitions set 940ES3A or 940ES3
- 2 storage surfaces in the lower part of the trolley
- ergonomic handle
- basic dimensions with handle and casters L 770 x W 460 x H 1669 mm
- central locking system with a lock and folding key
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- maximum capacity of each drawer: 45kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- perforated back for hanging tools with standard Unior perforation

SKU	L	L1	B	B1	H	H1	H2	
628371	770	673	460.5	440	1669	1125	1252	45000

994WD

Mobile control trolley with tool rack wall and door

- This mobile, adjustable, safe and stable trolley with a perforated wall and door ensures that you won't have to take any unnecessary transport routes during your work. It provides a tidy workplace, excellent accessibility to resources, basic tools and documentation. The perforated wall allows the installation of additional storage elements and improves the visibility of the workplace. The mobile control trolley features a portable work surface, and item security is ensured by a locking system and doors. It is useful in workshops, production and everywhere in lean manufacturing (LMS).
- material: premium PLUS sheet metal
- working surface with mobile durable plate with buckle, size landscape A3
- raised edge for preventing plate slippage
- mobile phone stand
- holes for pen storage
- deepened storage surface for accessories
- 2 drawers L 563 x W 365 x H 70mm
- drawers can be modified with partitions set 940ES3A or 940ES3
- 2 storage surfaces in the lower part of the trolley
- ergonomic handle
- basic dimensions with handle and casters L 770 x W 460 x H 1669 mm
- central locking system with a lock and folding key
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- basic dimensions with handle and casters L 770 x W 460 x H 1252mm
- maximum capacity of each drawer: 45kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- perforated back for hanging tools with standard Unior perforation
- door with a lock and folding key

SKU	L	L1	B	B1	H	H1	H2	
628372	770	673	460.5	440	1669	1125	1252	50000

994.1

Door for 994

SKU	L	B	A	
628373	589	694.7	26	5400

940H1

Tool carriage Hercules

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant wheels of a diameter of 125mm, two with brake, which blocks spinning and rotating of the wheel
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with non-slip interior synthetic lining
- coated with eco colour of Qualicoat quality standard
- 7 front drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- 7 side drawers (5x L 374 x W 364 x H 70mm, 2x L 374 x W 364 x H 150mm)
- basic dimensions with handle and casters L 1182 x W 640 x H 955 mm
- total volume of drawers: 215 litres
- wooden worktop
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 550 kg
- capacity of side drawers:25 kg
- capacity of front drawers:45 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

Advantages:

- Perforated wall on the back side of the tool carriage allows hanging tools with tool hooks
- As an accessories available also a spray holder for easy storage of sprays up to dia. 68mm, and a back door with a lock

940H2

Tool carriage Hercules

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 125mm, two with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with non-slip interior synthetic lining
- coated with eco colour of Qualicoat quality standard
- 7 front drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- basic dimensions with handle and casters L 1182 x W 640 x H 955 mm
- total volume of drawers: 133 litres
- door with lock
- wooden worktop
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 550 kg
- capacity of front drawers: 45 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

Advantages:

- Perforated wall on the back side of the tool carriage allows hanging tools with tool hooks
- As an accessories available also a spray holder for easy storage of sprays up to dia. 68mm, and a back door with a lock

940H2BLOCK

Tool carriage Hercules with block system

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- oil and acid resistant casters of a diameter of 125mm, two with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with non-slip interior synthetic lining
- 7 front drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- basic dimensions with handle and casters L 1182 x W 640 x H 955 mm
- total volume of drawers: 133 litres
- door with lock
- wooden worktop
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 550 kg
- capacity of front drawers: 45 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

Advantages:

- Perforated wall on the back side of the tool carriage allows hanging tools with tool hooks
- As an accessories available also a spray holder for easy storage of sprays up to dia. 68mm, and a back door with a lock

1,25mm

SKU	L	L1	L2	B	B1	H	H1	
615510	1182	1040	1080	640	550	955	800	115600

1,25mm

SKU	L	L1	L2	B	B1	H	H1	
615511	1182	1040	1080	640	550	955	800	96200

1,25mm

SKU	L	L1	L2	B	B1	H	H1	
626800	1182	1040	1080	640	550	955	800	96200

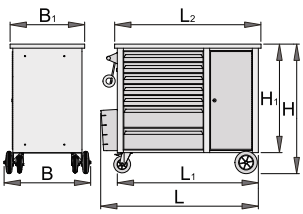
940H2-BLACK

Tool carriage Hercules

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 125mm, two with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with non-slip interior synthetic lining
- coated with eco colour of Qualicoat quality standard
- 7 front drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- basic dimensions with handle and casters L 1182 x W 640 x H 955 mm
- total volume of drawers: 133 litres
- door with lock
- wooden worktop
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 550 kg
- capacity of front drawers: 45 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

Advantages:

- Perforated wall on the back side of the tool carriage allows hanging tools with tool hooks
- As an accessories available also a spray holder for easy storage of sprays up to dia. 68mm, and a back door with a lock



1,25mm

SKU	L	L1	L2	B	B1	H	H1	
628212	1182	1040	1080	640	550	955	800	96200

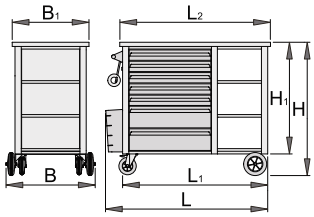
940H3

Tool carriage Hercules

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 125mm, two with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 7 front drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- basic dimensions with handle and casters L 1182 x W 640 x H 955 mm
- total volume of drawers: 133 litres
- one side with shelves
- wooden worktop
- static load capacity of carriages without casters: 2300 kg
- dynamic load capacity of carriages: 550 kg
- capacity of front drawers:45 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

Advantages:

- Perforated wall on the back side of the tool carriage allows hanging tools with tool hooks
- As an accessories available also a spray holder for easy storage of sprays up to dia. 68mm, and a back door with a lock



1,25mm

SKU	L	L1	L2	B	B1	H	H1	
615512	1182	1040	1080	640	550	955	800	94200

940.1H

Tool rack wall for 940H

- possibility to fit with tool carriage Hercules

SKU	L	B	H	
621442	608	120	608	9600

940HS5

Spray holder for 940H

- material: premium sheet metal
- coated with eco colour of Qualicoat quality standard

SKU	L	B	H	
626881	511	76	50	766

940.2H

Back door for 940H

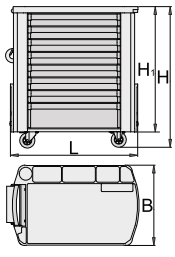
- material: premium sheet metal
- coated with eco colour of Qualicoat quality standard

SKU	L	B	H	
626882	600	22	725	4600

920PLUS1

Tool carriage Europlus

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- uniform closing mechanism for drawers with closing hooks
- multi - purpose shelf enables additional working place
- oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- corners protected with anti-shock rubber
- full extension drawers with top quality ball-bearing slides
- drawers with non-slip interior synthetic lining
- 8 drawers (7 x L 565 x W 365 x H 70mm, 1 x L 565 x W 385 x H 150mm)
- static load capacity of carriages without casters: 2000 kg
- dynamic load capacity of carriages: 500 kg
- maximum capacity of each drawer: 45kg
- basic dimensions with handle and casters L 810 x W 510 x H 945mm
- coated with eco colour of Qualicoat quality standard
- total volume of drawers: 132 litres
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- wide range of accessories

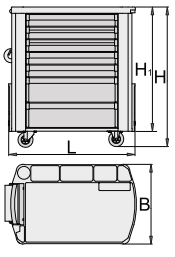


SKU	L	B	H	H1	
617100	810	510	945	796	72200

920PLUS2

Tool carriage Europlus

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- uniform closing mechanism for drawers with closing hooks
- multi - purpose shelf enables additional working place
- oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- corners protected with anti-shock rubber
- full extension drawers with top quality ball-bearing slides
- drawers with non-slip interior synthetic lining
- 7 drawers (5 x L 565 x W 365 x H 70 mm, 2 x L 565 x W 385 x H 150 mm)
- basic dimensions with handle and casters L 810 x W 510 x H 945mm
- static load capacity of carriages without casters: 2000 kg
- dynamic load capacity of carriages: 500 kg
- maximum capacity of each drawer: 45kg
- coated with eco colour of Qualicoat quality standard
- total volume of drawers: 137 litres
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- wide range of accessories

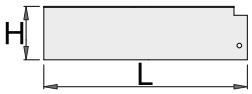


SKU	L	B	H	H1	
617101	810	510	945	796	75600

920ES3

Partitions set- 4 pieces for 920PLUS

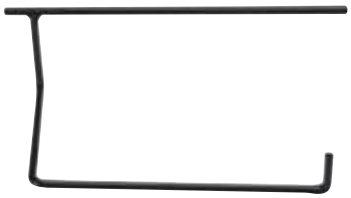
- material: premium sheet metal



SKU	L	H	
617823	383	60	709

920ES4A

Paper holder - maxi roll for 920PLUS



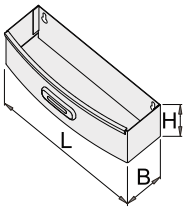
- from metal
- delivery without hand towels
- for paper roll max. dia. 300 mm and length 240 mm

SKU	
619446	359

920ES7

Holder for bottles for 920PLUS

- material: premium sheet metal

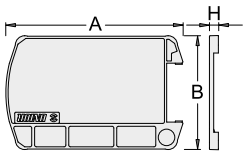


SKU	L	B	H	
621019	267	90	85	573

920ES8

ABS plate for 920PLUS

› material polystyrene



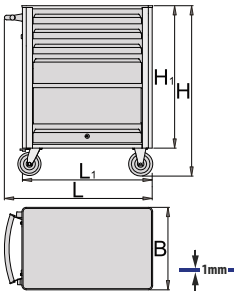
SKU	A	B	H	
619525	796	510	40	1260

940EV1

Tool carriage Eurovision

› material: premium PLUS sheet metal
› blind nuts for fixing accessories are mounted on the carriage.
› lifting door with locking system
› static load capacity of carriage without casters: 1600kg
› maximum capacity of each drawer: 45kg
› 4 drawers (3x L 563 x W 365 x H 70mm, 1x L 563 x W 410 x H 150mm)
› basic dimensions with handle and casters L 800 x W 440 x H 923mm
› total volume of drawers: 76 litres
› drawers compatible with SOS tool trays 1/3, 2/3, 3/3
› wide range of accessories

Advantages:
› coated with eco colour of Qualicoat quality standard
› opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
› Drawer closing mechanism prevents unwanted opening of drawers.
› drawers with non-slip interior synthetic lining
› central locking system with a lock and folding key
› lock with key included also foam keyring
› oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
› dynamic load capacity of carriages: 500 kg
› full extension drawers with top quality ball-bearing slides



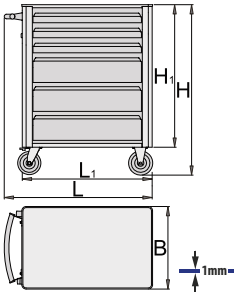
SKU	L	B	H	L1	H1	
619884	800	440	923	700	768	44800

940EV3

Tool carriage Eurovision

› material: premium PLUS sheet metal
› blind nuts for fixing accessories are mounted on the carriage.
› static load capacity of carriage without casters: 1600kg
› maximum capacity of each drawer: 45kg
› 6 drawers (3x L 563 x W 365 x H 70mm, 3x L 563 x W 383 x H 150mm)
› basic dimensions with handle and casters L 800 x W 440 x H 923mm
› total volume of drawers: 146 litres
› drawers compatible with SOS tool trays 1/3, 2/3, 3/3
› wide range of accessories

Advantages:
› coated with eco colour of Qualicoat quality standard
› opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
› drawer closing mechanism prevents unwanted opening of drawers
› drawers with non-slip interior synthetic lining
› central locking system with a lock and folding key
› lock with key included also foam keyring
› full extension drawers with top quality ball-bearing slides
› oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
› dynamic load capacity of carriages: 500 kg



SKU	L	B	H	L1	H1	
621436	800	440	923	700	768	51000

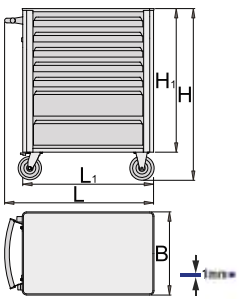
940EV4

Tool carriage Eurovision

- material: premium PLUS sheet metal
- wide range of accessories
- blind nuts for fixing accessories are mounted on the carriage.
- static load capacity of carriage without casters: 1600kg
- maximum capacity of each drawer: 45kg
- 7 drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- basic dimensions with handle and casters L 800 x W 440 x H 923mm
- total volume of drawers: 140 litres
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

Advantages:

- coated with eco colour of Qualicoat quality standard
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawer closing mechanism prevents unwanted opening of drawers
- drawers with non-slip interior synthetic lining
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- dynamic load capacity of carriages: 500 kg

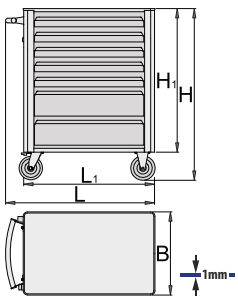


SKU	L	B	H	L1	H1	
619885	800	440	923	700	768	57000

940EV4BLOCK

Tool carriage Eurovision with BLOCK safety system

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- full extension drawers with top quality ball-bearing slides
- drawers with non-slip interior synthetic lining
- drawer closing mechanism prevents unwanted opening of drawers
- wide range of accessories
- coated with eco colour of Qualicoat quality standard
- blind nuts for fixing accessories are mounted on the carriage.
- static load capacity of carriage without casters: 1600kg
- dynamic load capacity of carriages: 500 kg
- maximum capacity of each drawer: 45kg
- 7 drawers (5x L 563 x W 365 x H 70mm, 2x L 563 x W 383 x H 150mm)
- basic dimensions with handle and casters L 800 x W 440 x H 923mm
- total volume of drawers: 140 litres
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3



SKU	L	B	H	L1	H1	
625000	800	440	923	700	768	57000

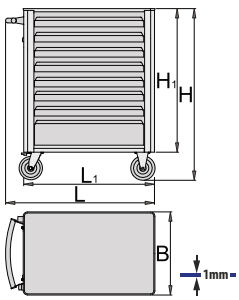
940EV6

Tool carriage Eurovision

- material: premium PLUS sheet metal
- possibility to add accessories
- blind nuts for fixing accessories are mounted on the carriage.
- static load capacity of carriage without casters: 1600kg
- dynamic load capacity of carriages: 500 kg
- maximum capacity of each drawer: 45kg
- 8 drawers (7x L 563 x W 365 x H 70mm, 1x L 563 x W 383 x H 150mm)
- basic dimensions with handle and casters L 800 x W 440 x H 923mm
- total volume of drawers: 135 litres
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

Advantages:

- coated with eco colour of Qualicoat quality standard
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawer closing mechanism prevents unwanted opening of drawers
- drawers with non-slip interior synthetic lining
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster

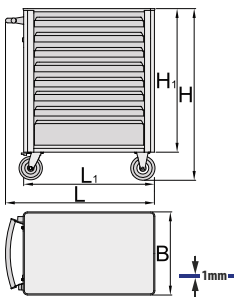


SKU	L	B	H	L1	H1	
619886	800	440	923	700	768	60000

940EV7BLOCK

Tool carriage Eurovision with BLOCK safety system

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- new block safety system, prevents opening of more than one drawer at once. When one drawer is opened, all other drawers are locked and cannot be opened.
- oil and acid resistant casters of a diameter of 125mm, one with brake, which blocks spinning and swiveling of the caster
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- full extension drawers with top quality ball-bearing slides
- drawers with non-slip interior synthetic lining
- drawer closing mechanism prevents unwanted opening of drawers
- wide range of accessories
- coated with eco colour of Qualicoat quality standard
- blind nuts for fixing accessories are mounted on the carriage.
- static load capacity of carriage without casters: 1600kg
- dynamic load capacity of carriages: 500 kg
- maximum capacity of each drawer: 45kg
- 6 drawers (4 x L 563 x W 365 x H 70 mm, 1 x L 563 x W 383 x H 150 mm, 1 x L 563 x W 383 x H 230 mm)
- basic dimensions with handle and casters L 800 x W 440 x H 923mm
- total volume of drawers: 145 litres
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

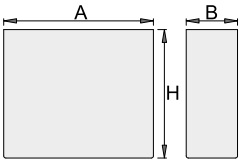


SKU	L	B	H	L1	H1	
626000	800	440	923	700	768	57000

940EVS1

Sheet metal basket for 940EV

- material: premium sheet metal
- possibility to fit with tool carriage Eurovision



SKU	A	B	H	
620416	350	120	300	2849

940EVS4

Paper holder for 940EV

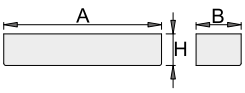
- from metal
- delivery without hand towels
- possibility to fit with tool carriage Eurovision
- for paper roll max. dia. 300 mm and length 260 mm

SKU	
620418	540

940EVS7

Holder for bottles for 940EV

- material: premium sheet metal
- possibility to fit with tool carriage Eurovision

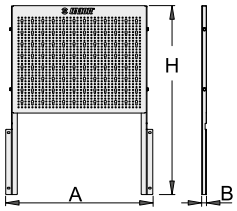


SKU	A	B	H	
620419	350	100	85	978

940.1EV

Tool rack wall for 940EV

- material: premium sheet metal
- A perforated sheet metal tool rack wall for hanging tools and other accessories can be attached to the Eurovision carriage



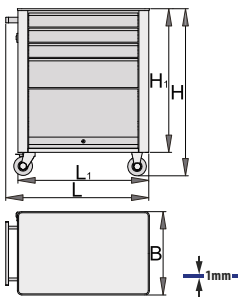
SKU	A	B	H	
620417	580	20.5	464	5336

EUROPEAN QUALITY eqtm®

940E1

Tool carriage Eurostyle

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 4 drawers (3 x L 560 x W 365 x H 70 mm, 1 x L 560 x W 400 x H 150 mm)
- lifting door with locking system
- basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- total volume of drawers: 76 litres
- static load capacity of carriage without casters: 1600kg
- maximum capacity of each drawer: 45kg
- dynamic load capacity of carriages: 300 kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- wide range of accessories

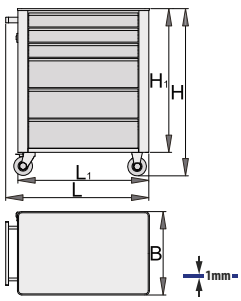


SKU	L	B	H	L1	H1	
608542	770	440	895	700	768	42000

940E3

Tool carriage Eurostyle

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 6 drawers (3 x L 560 x W 365 x H 70 mm, 3 x L 560 x W 400 x H 150 mm)
- static load capacity of carriage without casters: 1600kg
- dynamic load capacity of carriages: 300 kg
- maximum capacity of each drawer: 45kg
- total volume of drawers: 144 litres
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- wide range of accessories

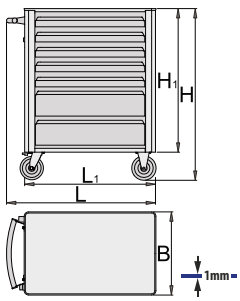


SKU	L	B	H	L1	H1	
608544	770	440	895	700	768	48000

940E4

Tool carriage Eurostyle

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 7 drawers (5 x L 560 x W 365 x H 70 mm, 2 x L 560 x W 400 x H 150 mm)
- basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- total volume of drawers: 140 litres
- static load capacity of carriage without casters: 1600kg
- dynamic load capacity of carriages: 300 kg
- maximum capacity of each drawer: 45kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3
- wide range of accessories

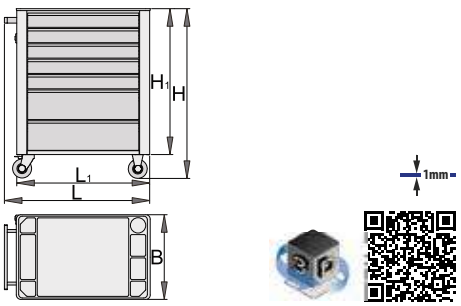


SKU	L	B	H	L1	H1	
608545	770	440	895	700	768	52000

940E4/1L

Tool carriage Eurostyle

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- wide range of accessories
- coated with eco colour of Qualicoat quality standard
- 7 drawers (5 x L 560 x W 365 x H 70 mm, 2 x L 560 x W 400 x H 150 mm)
- basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- total volume of drawers: 140 litres
- static load capacity of carriage without casters: 1600kg
- dynamic load capacity of carriages: 300 kg
- maximum capacity of each drawer: 45kg
- left and right side are perforated
- include 10 hooks dimension 50mm
- ABS plate on the top of the carriage
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

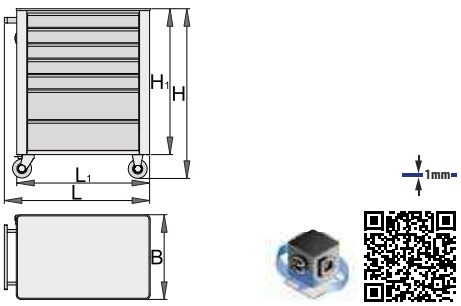


SKU	L	B	H	L1	H1	
612138	770	448	895	700	768	53000

940E4/1L-BLACK

Tool carriage Eurostyle

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- wide range of accessories
- coated with eco colour of Qualicoat quality standard
- 7 drawers (5 x L 560 x W 365 x H 70 mm, 2 x L 560 x W 400 x H 150 mm)
- basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- total volume of drawers: 140 litres
- static load capacity of carriage without casters: 1600kg
- dynamic load capacity of carriages: 300 kg
- maximum capacity of each drawer: 45kg
- left and right side are perforated
- include 10 hooks dimension 50mm
- ABS plate on the top of the carriage
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

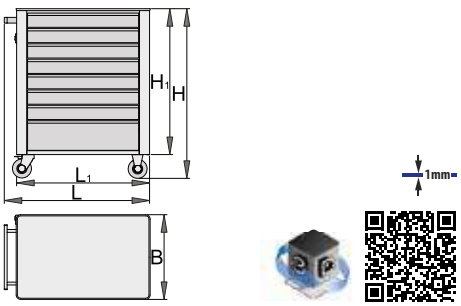


SKU	L	B	H	L1	H1	
628213	770	448	895	700	768	52000

940E6

Tool carriage Eurostyle

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- wide range of accessories
- coated with eco colour of Qualicoat quality standard
- 8 drawers (7 x L 560 x W 365 x H 70 mm, 1 x L 560 x W 400 x H 150 mm)
- basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- total volume of drawers: 134 litres
- static load capacity of carriage without casters: 1600kg
- dynamic load capacity of carriages: 300 kg
- maximum capacity of each drawer: 45kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

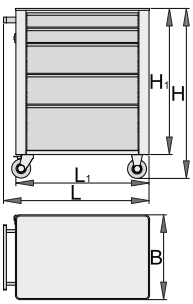


SKU	L	B	H	L1	H1	
608547	770	440	895	700	768	56000

940E7

Tool carriage Eurostyle

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- wide range of accessories
- coated with eco colour of Qualicoat quality standard
- 5 drawers (2 x L 560 x W 365 x H 70 mm, 2 x L 560 x W 400 x H 150 mm, 1 x L 560 x W 400 x H 230 mm)
- basic dimensions with handle and casters L 760 x W 440 x H 895 mm
- total volume of drawers: 147 litres
- static load capacity of carriage without casters: 1600kg
- dynamic load capacity of carriages: 300 kg
- maximum capacity of each drawer: 45kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3

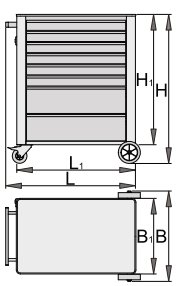


SKU	L	B	H	L1	H1	
627531	770	440	895	700	768	50500

940E9

Tool carriage Eurostyle

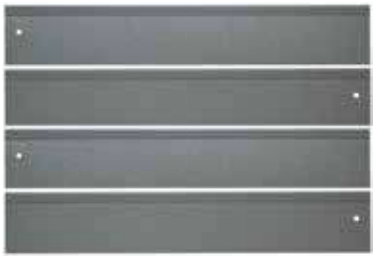
- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- wide range of accessories
- coated with eco colour of Qualicoat quality standard
- 8 drawers (6 x L 560 x W 365 x H 70 mm, 2 x L 560 x W 400 x H 150 mm)
- basic dimensions with handle and casters L 760 x W 500 x H 975 mm
- total volume of drawers: 153 litres
- static load capacity of carriage without casters: 1600kg
- dynamic load capacity of carriages: 300 kg
- maximum capacity of each drawer: 45kg
- drawers compatible with SOS tool trays 1/3, 2/3, 3/3



SKU	L	B	H	L1	B1	H1	
611757	770	500	975	700	440	847	59000

940ES3

Partitions set- 4 pieces for 940E

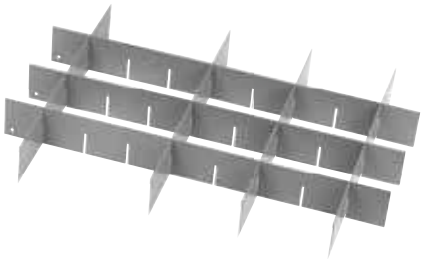


- material: premium sheet metal
- possibility to fit with tool carriage Eurostyle and Eurovision

SKU	L	B	H	
608925	377	2.2	65	709

940ES3A

Partitions set for small drawer 940E and 940EV



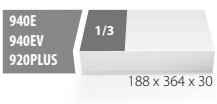
- material: premium sheet metal
- possibility to fit with tool carriage Eurostyle and Eurovision

SKU	L	B	H	
622597	557	375	65	1542

964ASOS

Empty SOS tool tray for 920PLUS, 940E and 940EV

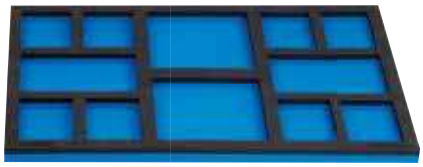
- material: low density polyethylene foam
- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line



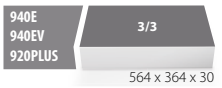
SKU	B	L	H	
621896	188	364	30	41

964BSOS

Empty SOS tool tray for 920PLUS, 940E and 940EV



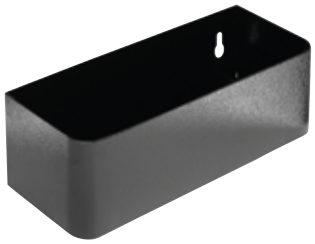
- material: low density polyethylene foam
- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line



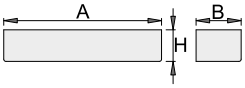
SKU	B	L	H	
621897	564	364	30	113

940ES7

Holder for bottles for 940E and 940EV



- material: premium sheet metal
- possibility to fit with tool carriage Eurostyle and Eurovision

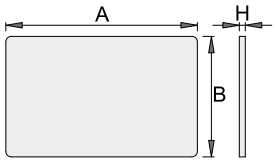


SKU	A	B	H	
608971	350	100	70	894

940ES9

Wooden plate for 940E and 940EV

- possibility to fit with tool carriage Eurostyle and Eurovision

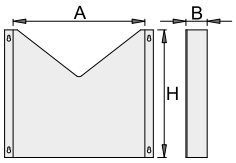


SKU	A	B	H	
608973	690	430	16	3260

940ES5

Document holder for 940E and 940EV

- material: premium sheet metal
- possibility to fit with tool carriage Eurostyle and Eurovision

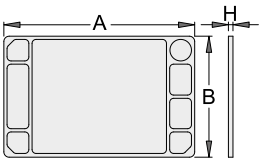


SKU	A	B	H	
608969	330	60	300	1018

940ES8

ABS plate for 940E and 940EV

- material polystyrene
- possibility to fit with tool carriage Eurostyle and Eurovision



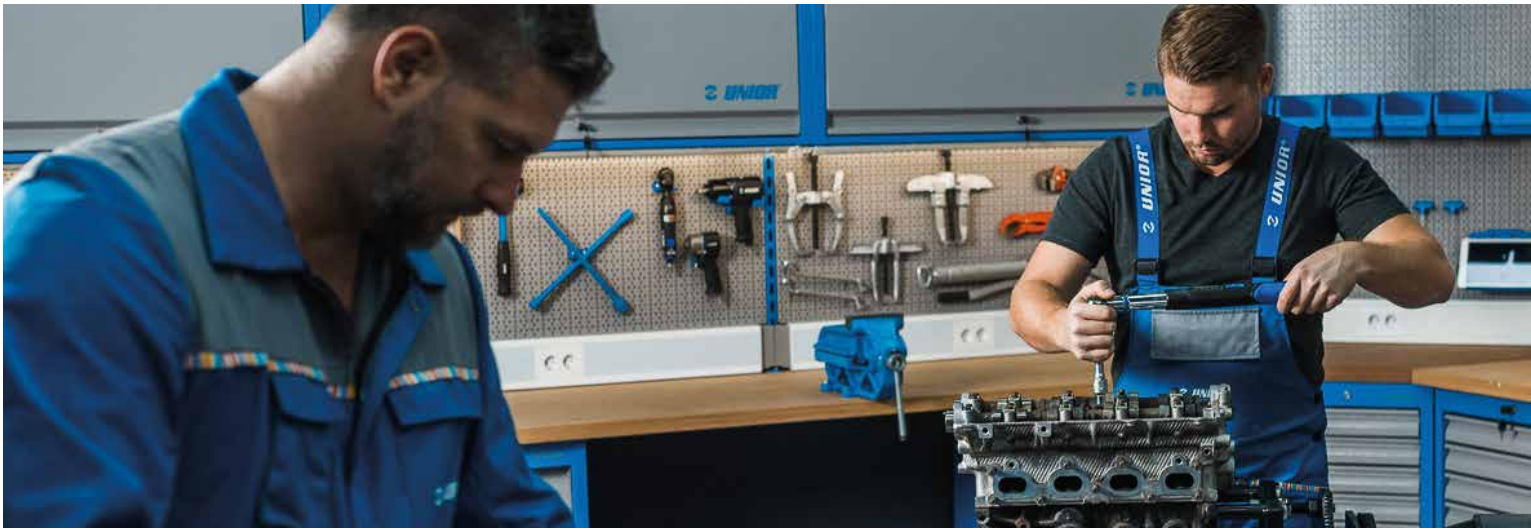
SKU	A	B	H	
608972	705	440	22	1260

940ES10

Screwdrivers hanger for 940E and 940EV

- material: premium sheet metal
- possibility to fit with tool carriage Eurostyle and Eurovision

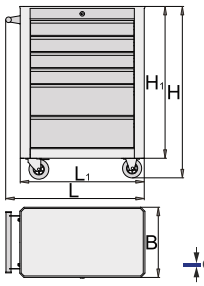
SKU	L	B	H	
622598	350	40	67	349



940ECO

Tool carriage Economic

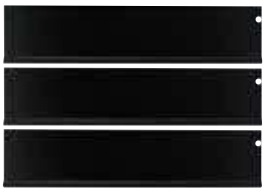
- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- oil and acid resistant casters of a diameter of 100 mm, one with brake, which blocks spinning and swiveling of the caster
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- wide range of accessories
- coated with eco colour of Qualicoat quality standard
- 6 drawers (4 x L 498 x W 273 x H 70 mm, 2 x L 498 x W 311 x H 150 mm)
- maximum capacity of each drawer: 30kg
- The only carriage in the production program of Unior that is exclusively intended for use by the private consumer.



SKU	L	B	H	L1	H1	
617227	700	355	890	625	764	33000

940ECOS1

Partitions-3 pcs set for 940ECO



- material: premium sheet metal
- coated with eco colour of Qualicoat quality standard

SKU	
617269	540

940ECOES7

Bottle holder 940ECO

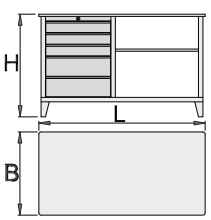
- material: premium sheet metal
- coated with eco colour of Qualicoat quality standard

SKU	L	B	H	
618460	326	106	79	706

946A

Work bench

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- wooden worktop
- 5 drawers (3x L 560 x W 570 x H 70mm, 2x L 560 x W 605 x H150mm)
- static load capacity: 2300 kg
- capacity of drawer: 45kg

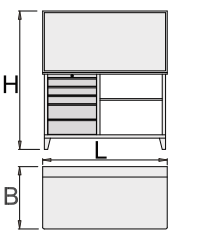


SKU	L	B	H	
612328	1500	750	925	116000

946AC

Work bench with cabinet

- combination of work bench (art. 946A) and cabinet for work bench (art. 946C) (article 946 ACR cabinet with roller shutter)
- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- wooden worktop
- 5 drawers (3x L 560 x W 570 x H 70mm, 2x L 560 x W 605 x H150mm)
- static load capacity: 2300 kg
- capacity of drawer: 45kg
- with 30 hooks

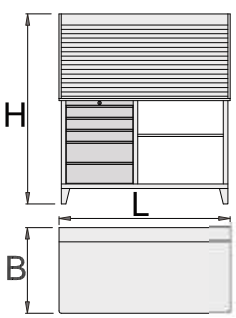


SKU	L	B	H	
612220	1500	750	1665	136000

946ACR

Work bench with cabinet with roller shutter

- combination of work bench (art. 946A) and cabinet with roller shutter for work bench (art. 946CR)
- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- wooden worktop
- 5 drawers (3x L 560 x W 570 x H 70mm, 2x L 560 x W 605 x H150mm)
- static load capacity: 2300 kg
- capacity of drawer: 45kg
- with 30 hooks
- model CR with roller shutter and with locking system

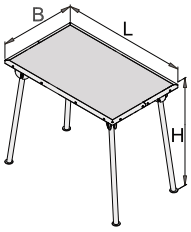


SKU	L	B	H	
612331	1500	750	1665	146000

946G

Worktable

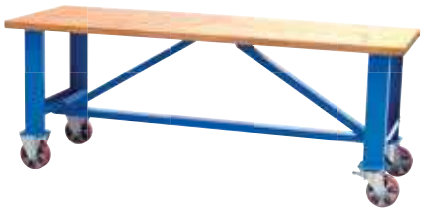
- folding supported legs
- static load capacity: 250kg
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- beech plywood

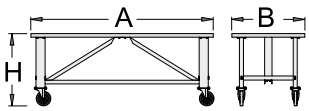


SKU	L	B	H	
621573	1000	600	850	21800

990T

Mobile work bench





- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- beech plywood
- protected with environmentally friendly coating
- dynamic load capacity: 1000 kg
- casters dia. 200mm

SKU	A	B	H	
621448	2000	750	795	90000

940T

Service trolley

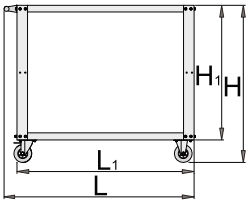
- Ergonomic, lightweight and easily moved service trolley
- This industrial-quality service trolley is ideal for use in garages, engineering workshops and warehouses.
- It allows the user to easily transport tools and components around the working area, and keep them easily at hand while working on a task.
- This trolley encourages and organized, pre-planned approach to tasks, and improves efficiency, productivity and comfort.
- The water-resistant top shelf allows easy access to tools and parts at a comfortable working height, while the lower shelf provides additional storage.
- The shelves are engineered for a maximum load of 100kg each, and are protected with an impact-resistant, anti-slip mat.
- Made in Europe to the highest standards, and backed by Unior's lifetime warranty.

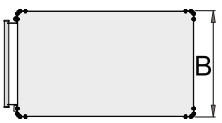
Includes:

- 4 casters - 2 fixed and 2 swivelling. One easily-braked caster.
- Two water-resistant shelves, upper complete with impact-absorbing, anti-slip mat

Specifications:

- Total capacity 200kg. Maximum 100kg per shelf.
- Assembled dimensions: 1072 x 600 x 887mm
- Packaged dimensions: 1020 x 635 x 190mm



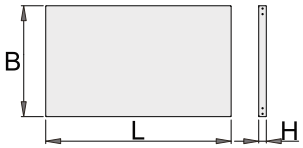


SKU	L	B	H	L1	H1	
627351	1072	600	887	1000	760	30000

940.1T

Shelf for 940T

› material: premium PLUS sheet metal
› coated with eco colour of Qualicoat quality standard



SKU	L	B	H	
628207	995	595	40	9800

990MA3

Modular work bench - module A3

› basic dimensions of work bench L 2000 x W 750 x H (1885 - 2305)mm

SKU		
625753	2 m	13

900LA (100x650x690x1110 (2x)), **990C** (2000), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990HPC** (983x73x131 2x)), **990B** (952x1018 (2x)), **997.1** (50 (2x))

990MA6

Modular work bench - module A6

› basic dimensions of work bench L 1500 x W 750 x H 2025mm

SKU		
625756	1,5 m	9

990ND6 (475x650x870), **990LA** (100x650x690x1110), **990TW** (1500x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990HPC** (1467x73x131), **990B** (1436x1018), **997.1** (50 (2x))

990MA7

Modular work bench - module A7

› basic dimensions of work bench L 1500 x W 750 x H (730 - 1150)mm

SKU		
625757	1,5 m	6

900LA (100x650x690x1110 (2x)), **990TW** (1500x750x40), **990NDH4** (475x650x430), **990NDH** (475x650x430), **990C** (1500)

990MA1

Modular work bench - module A1

› Work benches are an indispensable element in a professional or home workshop. Unior's modular benches are durable, stable and convenient due to their durable work surface, perforated walls, excellent lighting options, convenient drawers. Module A1 also features plastic containers for storing small inventory.
› basic dimensions of work bench L 2000 x W 750 x H 2025mm

SKU		
625751	2 m	20

900WD6 (663x650x870), **990ND6** (475x650x870), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990HPC** (983x73x131 2x)), **990B** (952x1018 (2x)), **990HL** (999 (2x)), **990LIGHT** (900 (2x)), **990HPB** (1000), **PB.990HPB** (235X155X125 (2x)), **990SHELF** (1000), **997.1** (50 (2x))

990MA10

Modular work bench - module A10

› basic dimensions of work bench L 2500 x W 750 x H 2025mm

SKU		
625760	2,5 m	14

900WD6 (663x650x870), **990WD8** (663x650x870), **990TW** (2500x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990HPC** (1233x73x131 (2x)), **990B** (1202x1018), **990HL** (1249 (2x)), **990LIGHT** (1200 (2x))

The metal sheet thickness of all supporting parts of modular workbenches is 1 mm, which provides them stability, durability, and diversity of use.

We offer a wide range of accessories for a well-organized workplace.

The parapet channel enables us to electrify the workplace. The standard parapet channel contains 2 sockets, whereas the longer 1500 mm option offers a total of 4 sockets. The parapet channel does not have pre-installed wiring.

The spacious drawer with its 260 mm height is suitable for storing larger items and can be used for sprays storage as well.

The tools stored in the work bench drawers are safely secured with a lock and a folding key.

The LED light with a low power consumption and a high luminosity is available in different lengths. With the attached adapters it is possible to connect the lights together. The light holder can be adjusted by height and depth.

The shelf has a load capacity of 60 kg and has an adjustable two-position incline, which provides a well-arranged and more convenient storing of materials.

By height adjustable leg enables the adaptation of the workbench from a minimum height of 730 mm to a maximum of 1140 mm. The height is adjustable in steps of 30 mm.

The EUROloch perforation allows the usage of most standard accessories. A work bench upgraded with perforated plates offers a variety of layouts and can be adapted to the preferences of the individual user.

The connection plate provides maximum stability, even when moving the workbench

Reinforced rails enlarge greater stability of the drawers with a carrying capacity of 50 kg.

The multi-layered 40 mm thick bench top provides high impact resistance and stability in all lengths. The protective layer prevents the absorption of oils and dirt.

Over 300 SOS inserts with tools and inserts for storing of small materials are available for the narrow drawers, as well as for the wide ones. The inserts are combinable or can be custom made upon request.

UNIOR

990MA11

Modular work bench - module A11

› basic dimensions of work bench L 1500 x W 750 x H 2025mm

SKU	⟼	✋
625761	1,5 m	16

900WD6 (663x650x870), **990ND6** (475x650x870), **990TW** (1500x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990HPC** (1467x73x131), **990B** (1436x1018), **990SHELF** (1500), **990HPB** (1500), **PB.990HPB** (235x155x125), **990HL** (1499), **990LIGHT** (1200), **997.1** (50 (2x))

990MA12

Modular work bench - module A12

› basic dimensions of work bench L 2000 x W 750 x H 2025mm

SKU	⟼	✋
626730	2 m	20

900WD6 (663x650x870), **990WDD2** (663x650x870), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SM** (32x45x1155), **990SR** (32x45x1155), **990HPC** (983x53x131 (2x)), **990B** (952x1018 (2x)), **990HL** (999 (2x)), **990LIGHT** (900 (2x)), **990HPB** (1000), **990SHELF** (1000), **997.1** (50 (2x)), **PB.990HPB** (235x155x125 (2x))

990MA13

Modular work bench - module A13

› basic dimensions of work bench L 2000 x W 750 x H 870mm

SKU	⟼	✋
626731	2 m	3

900WD6 (663x650x870), **990WDD2** (663x650x870), **990TW** (2000x750x40)

990MA14

Modular work bench - module A14

› basic dimensions of work bench L 2000 x W 750 x H 870mm

SKU	⟼	✋
627544	2 m	3

900WD6 (663x650x870), **990WDD2** (663x650x870), **990TW** (2000x750x40)

990MA15

Modular work bench - module A15

› basic dimensions of work bench L 2000 x W 750 x H (730 - 1150)mm

SKU	⟼	✋
627545	2 m	4

900LA (100x650x690x1100 (2x)), **990C** (2000), **990TW** (2000x750x40)

990MA16

Modular work bench - module A16

› basic dimensions of work bench L 1500 x W 750 x H 2025mm

SKU	⟼	✋
627607	1,5 m	17

900LA (100x650x690x1110), **990ND6** (475x650x870), **990NDU** (60), **990TW** (1500x750x40), **990MC9**

990MA17

Modular work bench - module A17

› basic dimensions of work bench L 2000 x W 750 x H 2025mm
› module included plastic boxes: 60x60x50mm 2 pcs, 90x60x50mm 5 pcs, 120x60x50mm 3 pcs, 90x90x50mm 1 pc, 120x120x50mm 1 pc, 180x90x50mm 1 pc

SKU	⟼	✋
627655	2 m	28

990WD6LC100 (663x650x870), **990LA** (100x650x690x1110), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SM** (32x45x1155), **990SR** (32x45x1155), **990HPC** (983x53x131 (2x)), **990B** (952x1018), **990CAU** (1000x350x510 (2x)), **990LIGHT** (900 (2x)), **990.MD** (460x226), **BASE.990MOD** (450x210), **H.990.BAT** (35x84x22), **H.990.HAM** (2x), **H.990.PAP**, **H.990.PLI** (50x22 (5x)), **H.990SCR** (2x), **H.990.TAB**, **H.990.WRE**

990MA18

Modular work bench - module A18

› basic dimensions of work bench L 1500 x W 750 x H 2025mm

SKU		
627656	1,5 m	15

990ND6LC100 (475x650x870), **900PNE** (475x650x870), **990TW** (1500x750x40), **990B** (1436x1018), **990BIN** (475x650x870), **990HL** (1499), **990HPB** (1500), **990HPC** (1467x53x131), **990LIGHT** (1200), **990SHELF** (1500), **990SL** (32x45x1155), **990SR** (32x45x1155), **PB.990HPB** (235x155x125 (3x))

990MB2

Modular work station - module B2

› basic dimensions of work bench L 2000 x W 750 x H 2025mm

SKU	
625752	15

900WD6 (663x650x870),**990LA**(100x650x690x1110), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990HPC** (983x53x131 (2x)), **990B** (952x1018 (2x)), **920PLUS1** (810x510x945), **949** (695x660x2030), **990WDU** (90), **997.1** (50 (2x))

990MC4

Perforated back - module C4

› basic dimensions of perforated back L 2000 x H 1155mm

SKU		
625754	2 m	17

990SL (32x45x1155), **990SM** (32x45x1155), **990SR** (32x45x1155), **990HPC** (983x53x131 (2x)), **990B** (952x1018 (2x)), **990HL** (999 (2x)), **990LIGHT** (900 (2x)), **990HPB** (1000), **PB.990HPB** (235x155x125 (2x)), **990SHELF** (1000), **997.1** (50 (2x))

990MC5

Perforated back - module C5

› basic dimensions of perforated back L 2000 x H 1155mm

SKU		
625755	2 m	9

990SL (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990B** (952x1018 (2x)), **990HPC** (983x53x131 (2x)), **997.1** (50 (2x))

990MC8

Perforated back - module C8

› basic dimensions of perforated back L 1500 x H 1155mm

SKU		
625758	1,5 m	6

990SL (32x45x1155), **990SR** (32x45x1155), **990B** (1436x1018), **990HPC** (1467x73x131), **997.1** (50 (2x))

990MC9

Perforated back - module C9

› basic dimensions of perforated back L 1500 x H 1155mm

SKU		
625759	1,5 m	13

990SL (32x45x1155), **990SR** (32x45x1155), **990B** (1436x1018), **990SHELF** (1500), **990HPC** (1467x53x131), **990HPB** (1500), **PB.990HPB** (235x155x125 (3x)), **990HL** (1499), **990LIGHT** (1200), **997.1** (50 (2x))

990AD1

Angle modular work bench

› basic dimensions of angle work bench L 1000 x W 1000 x H 2025mm

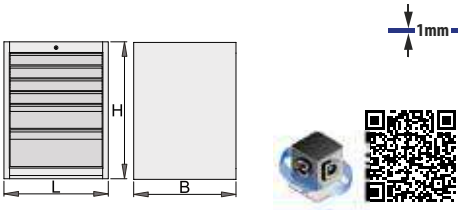
SKU	
627057	11

990B (952x1018), **990BA** (228x28,5x509), **990BA1**, **990HPC** (983x53x131), **990LB** (2x), **990SL** (32x45x1155), **990SM** (32x45x1155 (2x)), **990SR** (32x45x1155), **990TW1** (1000x1000x40)

990WD6

Wide drawer cabinet - 6 drawers

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 6 drawers (4 x L 564 x W 570 x H 70mm, 1 x L 564 x W 605 x H 150 mm and 1 x L 564 x W 605 x H 230 mm)
- basic dimensions L 663 x W 650 x H 870 mm
- total volume of drawers: 220 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg

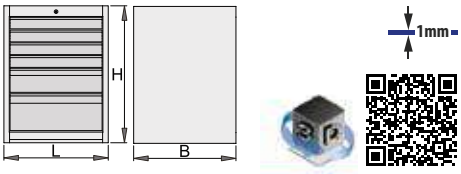


SKU	L	B	H	
625620	663	650	870	65500

990WD6LC100

Wide drawer cabinet - 6 drawers

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 6 drawers (4 x L 564 x W 570 x H 70mm, 1 x L 564 x W 605 x H 150 mm and 1 x L 564 x W 605 x H 230 mm)
- basic dimensions L 663 x W 650 x H 870 mm
- total volume of drawers: 220 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 100kg

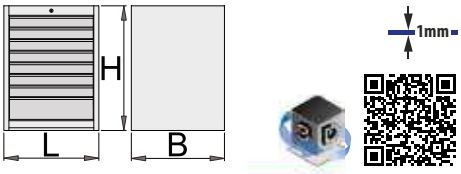


SKU	L	B	H	
627059	663	650	870	72800

990WD8

Wide drawer cabinet - 8 drawers

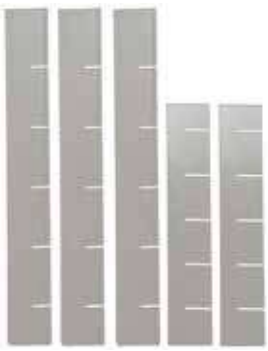
- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 8 drawers (7 x L 564 x W 570 x H 70mm, 1x L 564 x W 605 x H 150mm)
- basic dimensions L 663 x W 650 x H 870 mm
- total volume of drawers: 208 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg



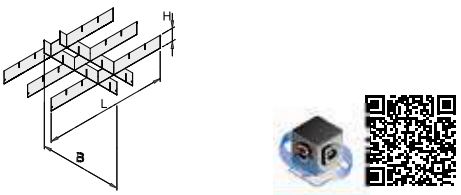
SKU	L	B	H	
625621	663	650	870	76500

990WDP

Partitions for wide drawers



- material: premium sheet metal

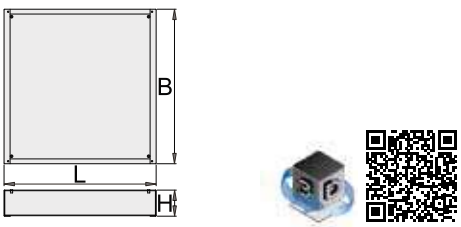


SKU	L	B	H	
625639	558	583	60	1362

990WDU

Wide drawer cabinet underbase

- material: premium sheet metal

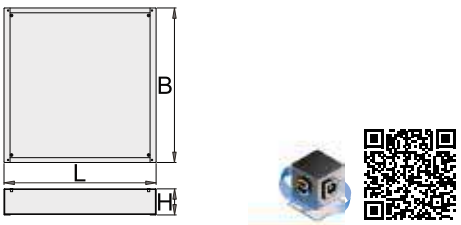


SKU		L	B	H	
627052	30	630	640	48	7200
625641	60	630	640	78	8200
625742	90	630	640	108	9200
625642	120	630	640	138	10000

990WDU-BLACK

Wide tool chest underbase

- material: premium sheet metal

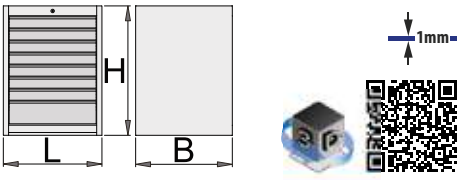


SKU		L	B	H	
627688	60	630	640	78	7200

990WD7-BLACK

Tool chest wide - 7 drawers

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 7 drawers (5 x L 564 x W 570 x H 70mm, 2x L 564 x W 605 x H 150mm)
- basic dimensions L 663 x W 650 x H 870 mm
- total volume of drawers: 214 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg

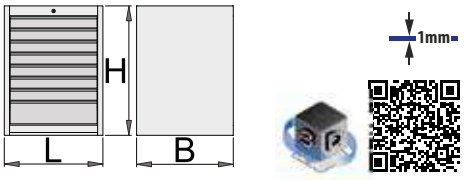


SKU	L	B	H	
628585	663	650	870	71500

990WDD2

Wide drawer cabinet - 2 drawers and door

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 2 drawers (2 x L 564 x W 570 x H 70 mm)
- with door
- basic dimensions L 663 x W 650 x H 870 mm
- total volume of drawers: 45 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg

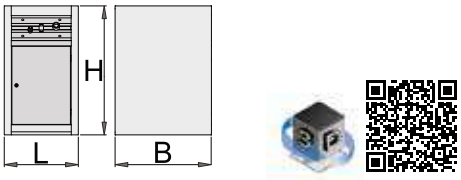


SKU	L	B	H	
625625	663	650	870	44000

990PNE

Power support for modular work bench

- material: premium PLUS sheet metal
- Power support for modular work bench includes 2 reels (electric and hose) with spring return.
- Electric cable reel includes 13m cable 3x1,5mm2 for 220V.
- Hose reel includes hose in length of 10+3m, inner diameter 8mm, outer diameter 12mm, 1/4" connector. Max. working pressure 7 bars.
- The bottom part with doors and a shelf in the interior.
- The reels are available also as a individual article; the hose reel under the code 627388 and the electric cable reel under code 627387. Reels can be assembled on the support leg of the modular work bench with help of the pneumatic holder, code 627372.
- lock with key included also foam keyring

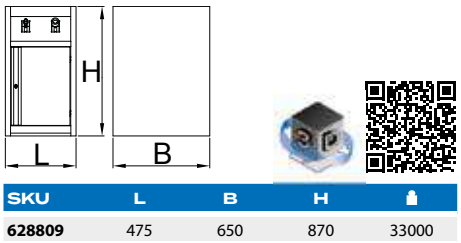


SKU	L	B	H	
625646	475	650	870	33000

990PNE-BLACK

Power support for modular work bench

- material: premium PLUS sheet metal
- Power support for modular work bench includes 2 reels (electric and hose) with spring return.
- Electric cable reel includes 13m cable 3x1,5mm2 for 220V.
- Hose reel includes hose in length of 10+3m, inner diameter 8mm, outer diameter 12mm, 1/4" connector. Max. working pressure 7 bars.
- The bottom part with doors and a shelf in the interior.
- The reels are available also as a individual article; the hose reel under the code 627388 and the electric cable reel under code 627387. Reels can be assembled on the support leg of the modular work bench with help of the pneumatic holder, code 627372.
- lock with key included also foam keyring

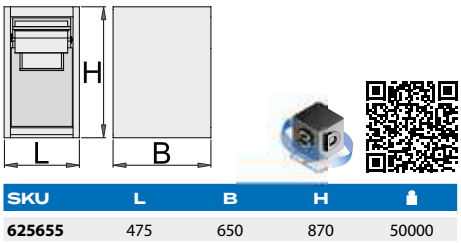


SKU	L	B	H	
628809	475	650	870	33000

990BIN

Cleaning support for modular work bench

- material: premium PLUS sheet metal
- With 2 pull out drawers.
- In the upper drawer can be placed a paper roll of max. dia. 270mm and max. length 380mm. There is also a a place on the back side of the drawer for the spare paper roll.
- The lowest drawer has 2 divided containers for waste, total volume 50 litres; the first container has possibility to put the waste through the flap door on the front side of the drawer.
- coated with eco colour of Qualicoat quality standard

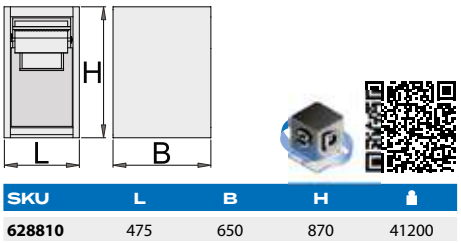


SKU	L	B	H	
625655	475	650	870	50000

990BIN-BLACK

Cleaning support for modular work bench

- material: premium PLUS sheet metal
- With 2 pull out drawers.
- In the upper drawer can be placed a paper roll of max. dia. 270mm and max. length 380mm. There is also a a place on the back side of the drawer for the spare paper roll.
- The lowest drawer has 2 divided containers for waste, total volume 50 litres; the first container has possibility to put the waste through the flap door on the front side of the drawer.
- coated with eco colour of Qualicoat quality standard

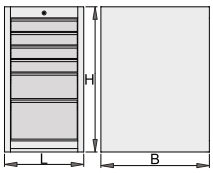


SKU	L	B	H	
628810	475	650	870	41200

990ND6

Narrow drawer cabinet - 6 drawers

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 6 drawers (4 x L 374 x W 570 x H 70 mm, 1 x L 374 x W 605 x H 150 mm, 1 x L 374 x W 605 x H 230 mm)
- basic dimensions L 475 x W 650 x H 870 mm
- total volume of drawers: 145 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg

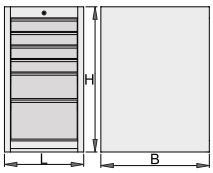


SKU	L	B	H	
625622	475	650	870	60200

990ND6LC100

Narrow drawer cabinet - 6 drawers

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 6 drawers (4 x L 374 x W 570 x H 70 mm, 1 x L 374 x W 605 x H 150 mm, 1 x L 374 x W 605 x H 230 mm)
- basic dimensions L 475 x W 650 x H 870 mm
- total volume of drawers: 145 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 100kg

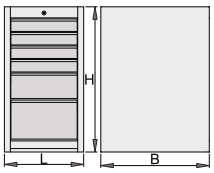


SKU	L	B	H	
627061	475	650	870	69000

990ND6-BLACK

Narrow drawer cabinet - 6 drawers

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 6 drawers (4 x L 374 x W 570 x H 70 mm, 1 x L 374 x W 605 x H 150 mm, 1 x L 374 x W 605 x H 230 mm)
- basic dimensions L 475 x W 650 x H 870 mm
- total volume of drawers: 145 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg

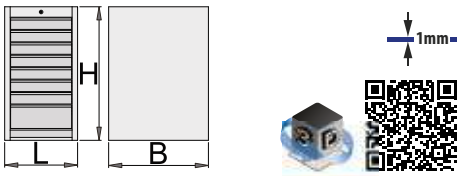


SKU	L	B	H	
626166	475	650	870	54000

990ND8

Narrow drawer cabinet - 8 drawers

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 8 drawers (7 x L 374 x W 570 x H 70 mm, 1 x L 374 x W 605 x H 150 mm)
- basic dimensions L 475 x W 650 x H 870 mm
- total volume of drawers: 128 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg

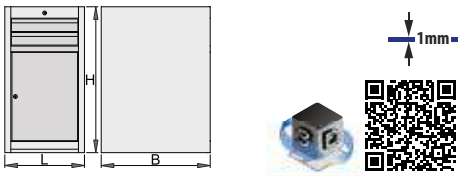


SKU	L	B	H	
625623	475	650	870	60500

990NDD2

Narrow drawer cabinet - 2 drawers and door

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 2 drawers (2 x L 374 x W 570 x H 70 mm)
- with door
- basic dimensions L 475 x W 650 x H 870 mm
- total volume of drawers: 30 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg

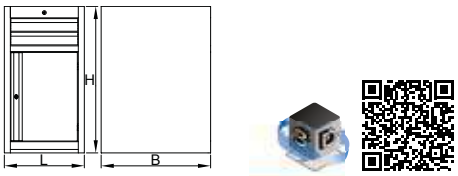


SKU	L	B	H	
625624	475	650	870	40000

990NDD2-BLACK

Narrow drawer cabinet - 2 drawers and door

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 2 drawers (2 x L 374 x W 570 x H 70 mm)
- with door
- basic dimensions L 475 x W 650 x H 870 mm
- total volume of drawers: 30 litres
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg

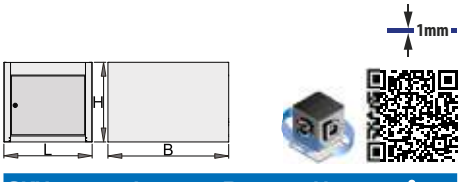


SKU	L	B	H	
626167	475	650	870	40000

990NDH

Tool cabinet mounted under bench top

- material: premium PLUS sheet metal
- door locked with lock and folding key
- lock with key included also foam keyring
- coated with eco colour of Qualicoat quality standard
- with door

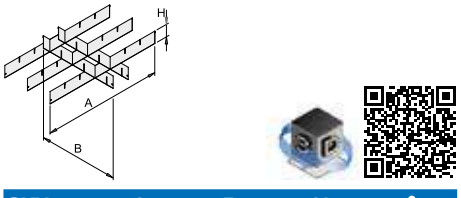


SKU	L	B	H	
625627	475	650	430	18600

990NDP

Partitions for narrow drawers

- material: premium sheet metal

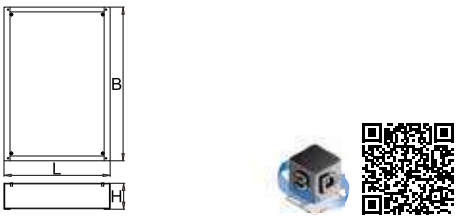


SKU	A	B	H	
625640	370	583	60	1208

990NDU

Narrow drawer cabinet underbase

- material: premium sheet metal

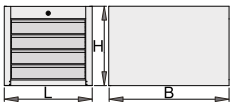


SKU		L	B	H	
627053	30	442	640	48	5407
625643	60	442	640	78	6400
625743	90	442	640	108	7200
625644	120	442	640	138	8000

990NDH4

Narrow drawer cabinet mounted under bench top - 4 drawers

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- full extension drawers with top quality ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- possible use of SOS tool tray system in drawers
- maximum capacity of each drawer: 50kg
- 4 drawers (4 x L 374 x W 570 x H 70 mm)

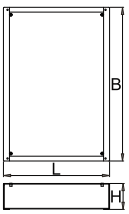


SKU	L	B	H	
625626	475	650	430	36200

990NDU-BLACK

Narrow tool chest underbase

- material: premium sheet metal



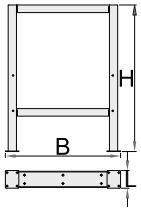
SKU		L	B	H	
627689	60	442	640	78	6400

MADE FOR WORK.

990L

Leg for modular work bench

- material: premium sheet metal
- coated with eco colour of Qualicoat quality standard

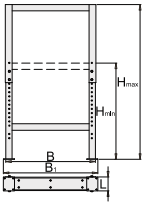


SKU	L	B	H	
625628	105	650	870	10600

990LA

Adjustable leg for modular work bench

- material: premium sheet metal
- coated with eco colour of Qualicoat quality standard

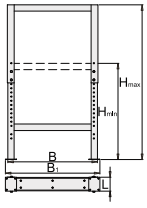


SKU	L	B	B1	H1	H2	
625629	100	650	680	690	1100	12000

990LA-BLACK

Adjustable leg for modular work bench

- material: premium sheet metal
- coated with eco colour of Qualicoat quality standard



SKU	L	B	B1	H1	H2	
625630	100	650	680	690	1100	11800

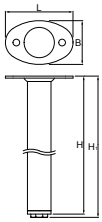
990IN4

Set 4 insert nuts

SKU		
626419		25

990LB

Support for angle modular work bench, 2 pcs set

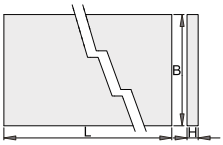


SKU	L	B	H	H1	
628202	100,5	65	858	868	2580

990TW

Wooden bench top

› beech plywood
› protected with environmentally friendly coating

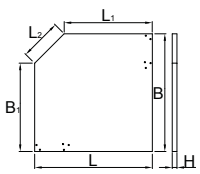


SKU	L	B	H	
625630	1500	750	40	36200
625631	2000	750	40	46200
625632	2500	750	40	61000

990TW1

Angle wooden bench top

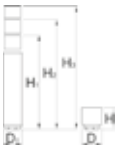
› beech plywood
› protected with environmentally friendly coating



SKU	L	L1	B	B1	H	L2	
628149	1000	750	1000	750	40	350	29400

990LBH

Set for high adjustment of support 990LB

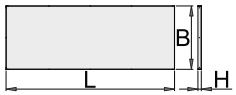


SKU	H	H1	H2	H3	
626254	955	800	955	800	827

990TWS

Stainless worktop

› material: stainless steel
› stainless worktop is used only with wooden bench top article 990TW
› thickness of stainless worktop is 1 mm

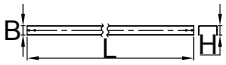


SKU	L	B	H	
625633	1500	753	41	10800
625634	2000	753	41	13000
625635	2500	753	41	17000

990C

Connector

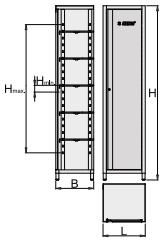
› coated with eco colour of Qualicoat quality standard
› material: premium PLUS sheet metal



SKU		L	B	H	
625636	1500	1425	80	40	3400
625637	2000	1925	80	40	4800
625638	2500	2302	80	40	6000

990NCA

Self standing narrow cabinet



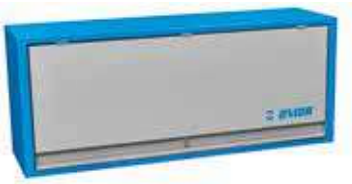
› material: premium PLUS sheet metal
› door locked with lock and folding key
› lock with key included also foam keyring
› coated with eco colour of Qualicoat quality standard
› 5 adjustable shelves in height
› basic dimensions L 500 x W 450 x H 2065 mm

1mm

SKU	L	B	B1	H1	H	
625745	500	450	2065	120	1620	55200

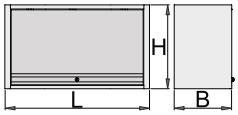
990CAU

Hanging cabinet for work benches



› material: premium PLUS sheet metal
› door locked with lock and folding key
› lock with key included also foam keyring
› coated with eco colour of Qualicoat quality standard
› maximal load capacity of hanging cabinet length 1000mm is 40kg, for 1250mm and 1500mm is 50kg. Load capacity of the shelf is 15kg
› hanging door with telescopic mechanism
› on the bottom part of the cabinet is set a light holder
› two possibilities of hanging - on the support leg of the modular work bench or on the wall. For hanging on the wall additional support is enclosed.

1mm

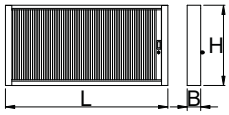


SKU	L	B	H	
627088	1000	350	510	22400
627089	1250	350	510	25000
627090	1500	350	510	31200

990CA

Cabinet with roller shutter

- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- lenght 1000 mm with 20 hooks, lenght 1500 mm with 30 hooks
- lock with key included also foam keyring

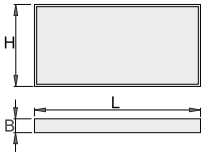


SKU	L	B	B1	H	
625668	1000	125	157	740	27600
612330	1500	125	157	740	30000

990CWR

Cabinet

- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- with 30 hooks

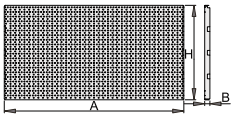


SKU	L	B	H	
625669	1000	125	749	14000
612329	1500	125	740	20000

990B

Perforated back, 2 pcs set

- coated with eco colour of Qualicoat quality standard
- material: premium PLUS sheet metal

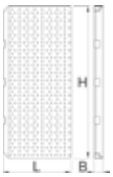


SKU	A	B	H	
625652	952	28	1018	12600
625653	1202	28	1018	16400
625654	1436	28	1018	19800

990BA

Perforated back for angle modular work bench, 4 pcs set

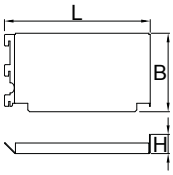
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard



SKU	L	B	H	
628201	228	28,5	509	6600

990BA1

Cover set for angle modular work bench, 2 pcs set

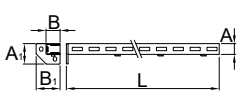


SKU	L	B	H	
628203	241,4	130	31,8	710

990SL

Left support

- coated with eco colour of Qualicoat quality standard
- material: premium PLUS sheet metal

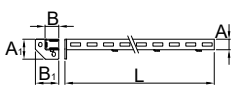


SKU	A	B	A1	B1	L	
625648	32	45	80	75	1155	2604

990SL-BLACK

Left support

- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard

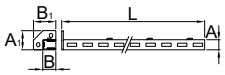


SKU	A	B	A1	B1	L	
627694	32	45	80	75	1155	2604

990SR

Right support

› material: premium PLUS sheet metal
› coated with eco colour of Qualicoat quality standard

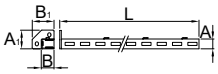


SKU	A	B	A1	B1	L	
625649	32	45	80	75	1155	2610

990SR-BLACK

Right support

› material: premium PLUS sheet metal
› coated with eco colour of Qualicoat quality standard

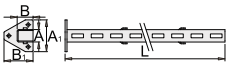


SKU	A	B	A1	B1	L	
627690	32	45	80	75	1155	2610

990SM

Middle support

› material: premium PLUS sheet metal
› coated with eco colour of Qualicoat quality standard

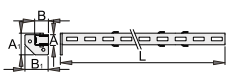


SKU	A	B	A1	B1	L	
625650	32	45	80	70	1155	2600

990SM-BLACK

Middle support

› material: premium PLUS sheet metal
› coated with eco colour of Qualicoat quality standard



SKU	A	B	A1	B1	L	
627691	32	45	80	70	1155	2600

990S1

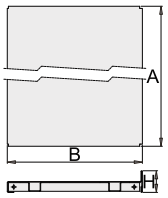
Additional support for 990S

SKU	
628210	1874

990SHELF

Shelf with holders

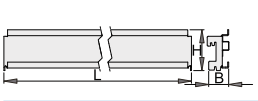
› material: premium PLUS sheet metal
› coated with eco colour of Qualicoat quality standard



SKU		A	B	H	
625672	1000	984	250	40	3200
625673	1250	1234	250	40	5400
625674	1500	1468	250	40	6400

990HPB

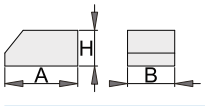
Holder for plastic box



SKU	L	B	H	
625660	1000	40,5	98	2400
625661	1250	40,5	98	3000
625662	1500	40,5	98	3600

PB.990HPB

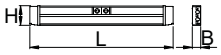
Plastic box, 3 pcs set



SKU	L	B	H	
625748	160	100	75	200
625749	235	155	125	580
625750	330	200	150	1180

990HPC

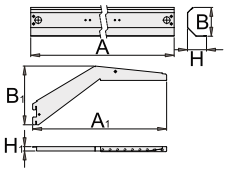
Holder with parapet channel



SKU		L	B	H	
625656	2	983	73	131	4326
625657	2	1233	73	131	5465
625658	4	1467	73	131	6620

990HL

Holder for light with console

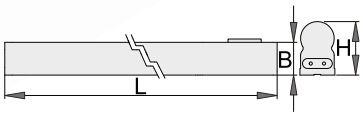


SKU	A	B	H	A1	B1	H1	
625663	999	121	36,5	1010	132	17	2151
625664	1249	121	36,5	1250	132	17	2469
625665	1499	121	36,5	1485	132	17	2760

990LIGHT

Light

- with power supply cable and two light connector
- lifetime of leds is 25000 hours
- Color temperature is 4000K
- Hg free
- UV free



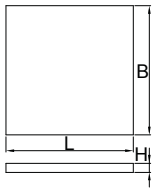
IP20 HgFREE 4000K UVFREE 25000h

SKU		L	B	H		lm	
625666	600	600	23	37	10	1000	340
625667	900	860	23	37	15	1400	297
625671	1200	1150	23	37	20	1900	315

VL990ND

SOS tool tray with compartment for work bench narrow drawer cabinet

- Dimensions of compartments: 2x dim. 60x70mm, 2x dim. 75x70mm, 2x dim. 150x70mm
- Tool tray dimension: 374 x 205 x 40 mm

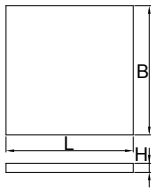


SKU	L	B	H	
625619	374	205	40	50

VL990ND1

SOS tool tray with compartment for work bench narrow drawer cabinet

- Dimensions of compartments: 20x dim. 70x95mm
- Tool tray dimension: 374 x 570 x 40 mm
- Compatible with drawers of work benches line 990ND

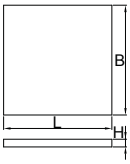


SKU	L	B	H	
625589	374	570	40	126

VL990ND2

SOS tool tray with compartment for work bench narrow drawer cabinet

› Dimensions of compartments: 10x dim. 150x95mm

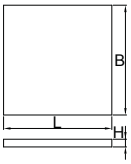


SKU	L	B	H	
625590	374	570	40	111

VL990ND4

SOS tool tray with compartment for work bench narrow drawer cabinet

› Dimensions of compartments: 8x dim. 70x95mm, 20x dim. 60x60mm

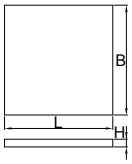


SKU	L	B	H	
625592	374	570	40	111

VL990WD1

SOS tool tray with compartment for work bench wide drawer cabinet

› Dimensions of compartments: 30x dim. 95x70mm
› Tool tray dimension: 562 x 570 x 40 mm
› Compatible with drawers of work benches line 990WD and 946

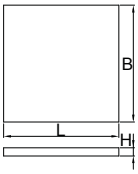


SKU	L	B	H	
625585	562	570	40	177

VL990ND3

SOS tool tray with compartment for work bench narrow drawer cabinet

› Dimensions of compartments: 4x dim. 70x95mm, 6x dim. 95x200mm

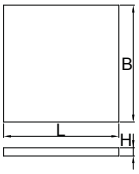


SKU	L	B	H	
625591	374	570	40	113

VL990WD

SOS tool tray with compartment for work bench wide drawer cabinet

› Dimensions of compartments: 6x dim. 95x70mm, 2x dim. 150x70mm
› Tool tray dimension: 562 x 205 x 40 mm

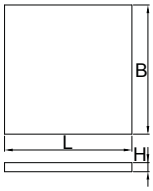


SKU	L	B	H	
625618	562	205	40	57

VL990WD2

SOS tool tray with compartment for work bench wide drawer cabinet

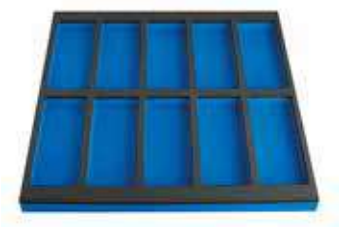
› Dimensions of compartments: 15x dim. 95x150mm



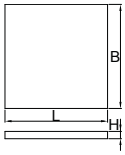
SKU	L	B	H	
625586	562	570	40	161

VL990WD3

SOS tool tray with compartment for work bench wide drawer cabinet



› Dimensions of compartments: 10x dim. 95x240mm

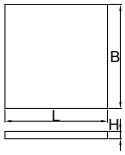


SKU	L	B	H	
625587	562	570	40	144

VL990WD4

SOS tool tray with compartment for work bench wide drawer cabinet

› Dimensions of compartments: 12x dim. 95x70mm, 6x dim. 95x150mm, 2x dim. 95x240mm

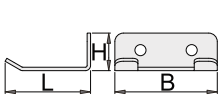


SKU	L	B	H	
625588	562	570	40	165

h.990.HAM

Holder for hammers

› material: premium sheet metal 2mm
› one holder holds 1 hammer or 1 tool with T-handle
› assembly with two screws M6x10mm



SKU	L	B	H	
627071	60	50	22	56

990.PNE

Cable reel 3x1,5 mm2, 220V

› Electric cable reel includes 13m cable 3x1,5mm2 for 220V.

SKU		
627387	13 m	177

990.PNE1

Hose reel, hose 8x12 mm, 1/4"

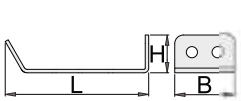
› Hose reel includes hose in length of 10+3m, inner diameter 8mm, outer diameter 12mm, 1/4" connector. Max. working pressure 7 bars.

SKU		
627388	15 m	177

h.990.BAT

Holder for cordless screwdriver

› material: premium sheet metal 2mm
› 2 pcs in the set
› assembly with two screws M6x10mm

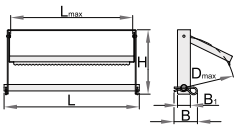


SKU	L	B	H	
627068	35	84	22	125

h.990.PAP

Holder for paper

- metal construction
- possibility of assembly under the work bench or on the wall
- for paper roll max. dia. 370mm and max. length 380mm
- holder has a serrated knife for easy cut of the paper

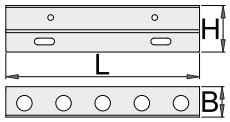


SKU	Dī	Lī	L	B	B1	
627074	370	380	420	72	40	1450

h.990.SCR

Holder for screwdrivers

- material: premium sheet metal 0,8mm
- assembly on the perforated Unior wall with screws M6x10
- screwdriver holder with 5 holes dia. 15mm for holding different screwdrivers

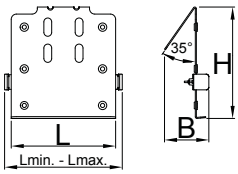


SKU	L	B	H	
627072	188	28,5	45	125

h.990.TAB

Holder for tablet

- material: premium sheet metal 2mm
- assembly on the perforated Unior wall at an angle of 67°
- assembly with four screws M6x10mm
- adjustable width from min. 210mm to max. 340mm with use of the side sliders
- rubber screws on the bottom surface of the holder prevent damages to the tablet



SKU	L1	Lī	B	H	
627073	210	340	85	213	1090

h.990.PIN

Holder with pin, 10 pcs set

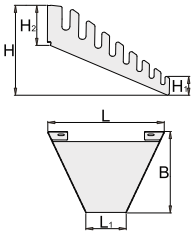
- assembly with screw M6x10mm

SKU	L	B	H	
627804	51,5	15	30	155

h.990.WRE

Holder for wrenches

- material: premium sheet metal 1mm
- assembly on the perforated Unior wall with screws M6x10
- assembly on the wall at an angle of 67° which allows better transparency and use of the wrenches
- 8 pcs of open end wrenches or 8 pcs of offset ring wrenches can be stored on the holder (up to dim. 24mm)



SKU	L	L1	B	H	H1	H2	
627069	197	68	138	84,8	15,4	39	206

h.990.PLI

Holder for pliers,10 pcs set

- material: premium sheet metal 2mm
- one holder holds 1 pliers
- assembly with screw M6x10mm

SKU	B	H	
627070	50	22	22

h.F990UN

Tool tray with foldable arm for 990

› Foldable tool tray mounts to the Unior work bench support and provides optimal placement of tool tray. Tray will be right where you need it, providing perfect placement for the tools and small parts, thus increasing work productivity. Tool tray can rotate for 90 degrees left or right. Foldable arm is 500 mm long and allows to pull the tool tray closer to you or move it out of work area when not in use. Tool tray is made of thin metal plate and SOS foam tray, with room to hang different tools and open compartments for storage.

SKU	L	B	B1	H	L1	L	
625957	325	215	234	65	360.5	622	4300

h.F990LAP

Laptop holder with foldable arm for 990

› Foldable laptop holder mounts to the Unior work bench support and provides optimal placement for laptop. The setup will make work more comfortable and productive as the computer will be right where you need it. Tray is large enough to support laptops up to the size 15˝ and can rotate for 90 degrees left or right. Foldable arm is 500 mm long and allows to pull the laptop closer to you, or move it out of work area when not in use.

SKU	L	B	B1	H	L1	L	
625955	405	215	291	75	360.5	622	5800

h.F990PB

Small parts organizer with foldable arm for 990

› Foldable small parts organizer mounts to the Unior work bench support and provides optimal placement for it. The setup will make work more comfortable and productive as the smaller parts will be right where you need it. Parts organizer can be rotated 90° left or right, foldable arm is 500 mm long and allows to pull the organizer or fold it out of work area when not in use. Organizer is compatible with all sizes of plastic boxes in our range.
› Plastic boxes are not included with organizer and are sold separately.

SKU	L	B	B1	H	L1	L	
625954	500	215	65	174	360.5	622	3900

h.F990TAB

Tablet holder with foldable arm for 990

› Foldable tablet holder mounts to the Unior work bench support and provides optimal placement for tablet. The setup will make work more comfortable and productive as the tablet will be right where you need it. Holder features protective rubber on the surface to prevent tablet from scratching and adjustable arm to accommodate tablets with width from 210 mm to 340 mm. Holder mounts under 67 degrees angle for easier swiping and better view and can be rotated 90 degrees left or right. Foldable arm is 500 mm long and allows to pull the holder closer to you if needed or move it out of work area when not in use.

SKU	L	B	B1	H	L1	L	
625956	200	215	160	174	360.5	622	4400

lh.GENERAL-MAGN.

Magnetic label holder

SKU	L	B	
628813	1000	20	123

SET.PB.990HPBMOD

Set of plastic boxes with base pade

Set include:
- base pad 450x210mm
- plastic boxes dimensions 60x60x50mm 2 pieces, 90x60x50mm 5 pieces, 120x60x50mm 3 pieces, 90x90x50mm 1 piece, 120x120x50 1 piece and 180x90x50mm 1 piece

SKU	
627395	450

990.MD

Modular holder for merchandiser

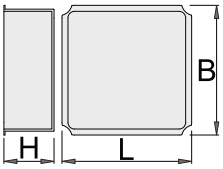
- material: premium sheet metal 1,25mm
- assembly on the perforated Unior wall at an angle of 13°
- assembly with two screws M6x10mm
- load capacity 10kg
- Holder has a multi-use. You can use it with plastic boxes with help of the base pad dim. 480x210mm (code 627385). You can use before prepared set of the boxes or you can choose your own boxes and create your own set.
- set of modular holder for merchandiser with plastic boxes and base pade is under the code 627604

SKU	L	B	H	
627371	460	226	58	1654

PB.990HPBMOD

Plastic box, 10 pcs set

- set of modular holder for merchandiser with plastic boxes and base pade is under the code 627604

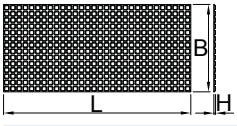


SKU	L	B	H	
627379	60	60	50	166
627380	90	60	50	252
627381	120	60	50	316
627382	90	90	50	331
627383	120	120	50	490
627384	180	90	50	540

BASE.990MOD

› Base pade for plastic boxes

- set of modular holder for merchandiser with plastic boxes and base pade is under the code 627604



SKU	L	B	
627385	450	210	64
627574	560	365	139
627573	930	450	284

SET990.MD

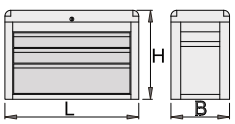
Set of modular holder for merchandiser with plastic boxes and base pade

SKU	
627604	2

938/3V

Tool chest Eurostyle - 3 compartments

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- cover with lock, when the cover is closed the drawers will be locked
- drawers with ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 3 drawers (2 x L 563 x W 365 x H 70, 1 x L 563 x W 400 x H 150)
- maximum capacity of each drawer: 30kg

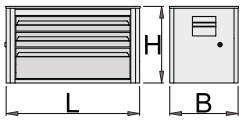


SKU	L	B	H	
615179	695	435	455	25830

939/3EV

Tool chest Eurovision - 3 compartments

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- drawers with ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 3 drawers (2 x L 560 x W 275 x H 70mm, 1 x L 560 x W 315 x H 150mm)
- maximum capacity of each drawer: 30kg

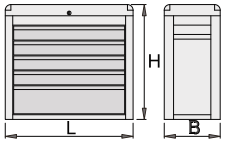


SKU	L	B	H	
620556	690	355	394	21600

939/5E

Tool chest Eurostyle - 5 compartments

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- cover with lock, when the cover is closed the drawers will be locked
- drawers with ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 5 drawers L 560 x W 265 x H 70 mm
- maximum capacity of each drawer: 30kg



SKU	L	B	H	
611784	685	300	535	25000

911VSOS

SOS tool tray for 911

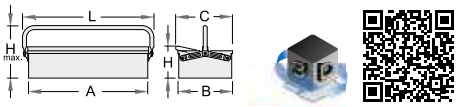
- material: low density polyethylene foam

SKU	B	L	H	
622694	95	447	30	26

912/1

Tool box - 1 compartment

- coated with eco colour of Qualicoat quality standard
- long type with one handle
- box can be locked with padlock

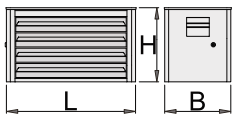


SKU	A	B	C	L	H	Hī	
601910	560	210	220	600	125	220	2531

939/4EV

Tool chest Eurovision - 4 compartments

- material: premium PLUS sheet metal
- central locking system with a lock and folding key
- lock with key included also foam keyring
- drawers with ball-bearing slides
- the synthetic covering protects drawers and tools from damage
- coated with eco colour of Qualicoat quality standard
- 4 drawers L 560 x W 275 x H 70 mm
- maximum capacity of each drawer: 30kg

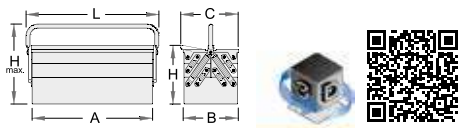


SKU	L	B	H	
620420	690	355	394	24800

911/5

Tool box - 5 compartments

- coated with eco colour of Qualicoat quality standard
- short type with one handle
- box can be locked with padlock

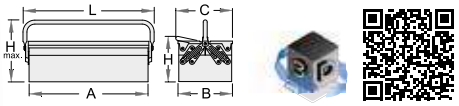


SKU	A	B	C	L	H	Hī	
601909	460	210	220	500	225	320	3956

912/3

Tool box - 3 compartments

- coated with eco colour of Qualicoat quality standard
- long type with one handle
- box can be locked with padlock

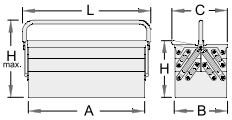


SKU	A	B	C	L	H	Hī	
601911	560	210	220	600	175	270	3834

912/5

Tool box - 5 compartments

- coated with eco colour of Qualicoat quality standard
- long type with one handle
- box can be locked with padlock

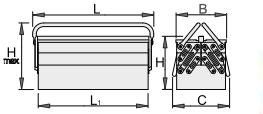


SKU	A	B	C	L	H	Hī	
601912	560	210	220	600	225	320	5386

914/5

Tool box - 5 compartments

- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- short type with two handles
- box can be locked with padlock

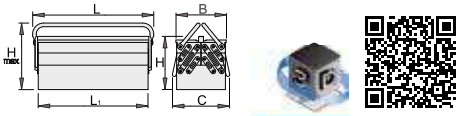


SKU	L1	B	C	L	H	Hī	
601985	460	210	235	485	225	275	4768

915/5

Tool box - 5 compartments

- coated with eco colour of Qualicoat quality standard
- long type with two handles
- material: premium PLUS sheet metal
- box can be locked with padlock

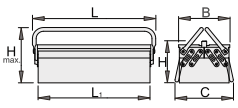


SKU	L1	B	C	L	H	Hī	
607137	560	210	235	585	225	275	5541

914/3

Tool box - 3 compartments

- material: premium PLUS sheet metal
- short type with two handles
- coated with eco colour of Qualicoat quality standard
- box can be locked with padlock

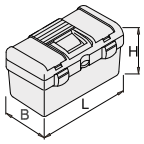


SKU	L1	B	C	L	H	Hī	
608538	460	210	235	485	175	225	3513

917A

Plastic tool box

- material: polypropylene
- with removable tool tray inside the box
- lid contains two compartments in dimension L80 x B140 x H35 mm covered with plastic cover
- closing with plastic clip
- box can be locked with padlock

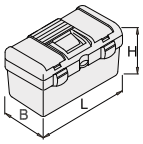


SKU	L	B	H	
619765	514	280	260	1930

917C

Plastic tool box

- material: polypropylene
- with removable tool tray inside the box
- lid contains two compartments in dimension L108 x B200 x H35 mm covered with plastic cover
- closing with plastic clip
- box can be locked with padlock

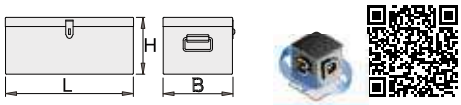


SKU	L	B	H	
619767	394	215	195	920

960/1

Tool box

- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- intended for transport and storage of tools, power tools, different equipment and documentation. Tool box can be used in various climatic conditions
- box can be locked with padlock

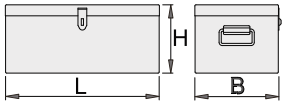


SKU	L	B	H	
605896	700	380	310	18000

960/2

Tool box

- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- intended for transport and storage of tools, power tools, different equipment and documentation. Tool box can be used in various climatic conditions
- box can be locked with padlock

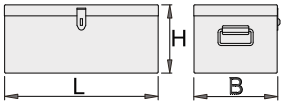


SKU	L	B	H	
605897	840	420	335	23000

960/3

Tool box

- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- intended for transport and storage of tools, power tools, different equipment and documentation. Tool box can be used in various climatic conditions
- box can be locked with padlock

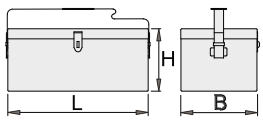


SKU	L	B	H	
605898	910	530	430	31000

960/6

Installers tool box

- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- with synthetic belt
- box can be locked with padlock

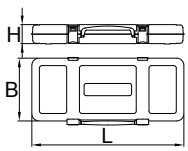


SKU	L	B	H	
603673	550	200	230	5200
612989	620	200	230	4900

981K1/4

Metal box

- empty tool box designed for storing and carrying of tools
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- box delivered without tool tray and tools

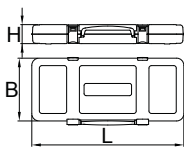


SKU	№	L	B	H	
601918	1/4"	197	105	38	275

981K3/8

Metal box

- empty tool box designed for storing and carrying of tools
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- closing mechanism with integrated handle
- box delivered without tool tray and tools

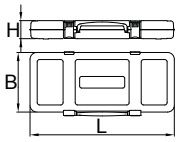


SKU	№	L	B	H	
601913	3/8"	321	198	54	798

981K1/2

Metal box

- empty tool box designed for storing and carrying of tools
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- closing mechanism with integrated handle
- box delivered without tool tray and tools

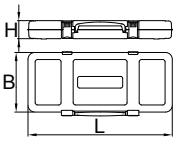


SKU	№	L	B	H	
601954	1/2"	448	198	54	1456

981K3/4

Metal box

- empty tool box designed for storing and carrying of tools
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- box with metal handle
- box delivered without tool tray and tools

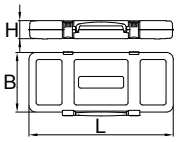


SKU	№	L	B	H	
602743	3/4"	505	215	75	2500

981K1

Metal box

- empty tool box designed for storing and carrying of tools
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- box with metal handle
- integrated metal partitions
- box delivered without tool tray and tools

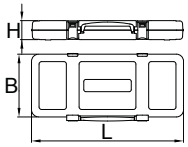


SKU	L	B	H	
603521	670	220	100	4800

981K1/2R

Metal box

- empty tool box designed for storing and carrying of tools
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- closing mechanism with integrated handle
- box delivered without tool tray and tools

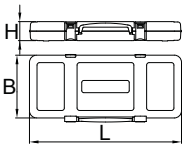


SKU	№	L	B	H	
621474	1/2VDE	448	198	54	1489

981K3/8R

Metal box

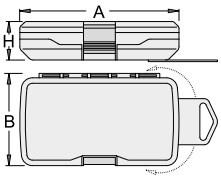
- empty tool box designed for storing and carrying of tools
- material: premium PLUS sheet metal
- coated with eco colour of Qualicoat quality standard
- closing mechanism with integrated handle
- box delivered without tool tray and tools



SKU	№	L	B	H	
612694	3/8VDE	321	198	54	798

982PB2

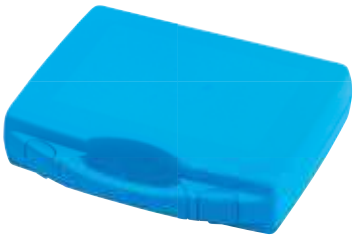
Big plastic box for bits

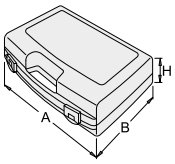


SKU	A	B	H	
621426	145	85	40	92

981PB4

Plastic box for socket wrenches

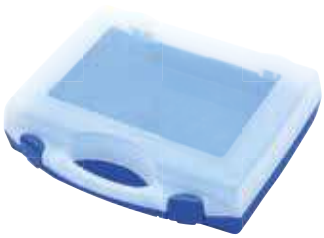


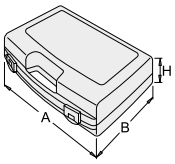


SKU	A	B	H	
619771	393	331	95	771

981PBS1

Plastic box for socket wrenches

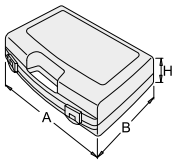




SKU	A	B	H	
621620	197	167	35	140

981PBS2

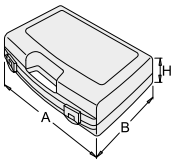
Plastic box for socket wrenches



SKU	A	B	H	
621621	307	260	55	380

981PBS3

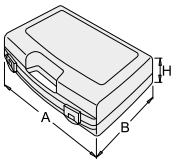
Plastic box for socket wrenches



SKU	A	B	H	
621622	346	292	62	510

981PBS5

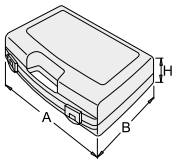
Plastic box for socket wrenches



SKU	A	B	H	
621618	244	207	44	225

981PBM1

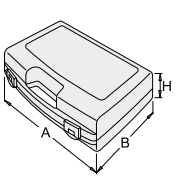
Plastic box for socket wrenches



SKU	A	B	H	
619768	197	167	47	155

981PBM2

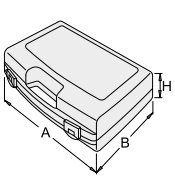
› Plastic box for socket wrenches



SKU	A	B	H	
619769	307	260	74	420

981PBM3

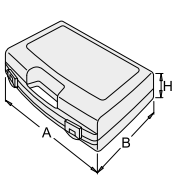
› Plastic box for socket wrenches



SKU	A	B	H	
619770	346	292	83	568

981PBM5

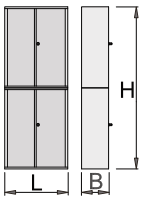
› Plastic box for socket wrenches



SKU	A	B	H	
621619	244	207	59	240

949

Tool cabinet

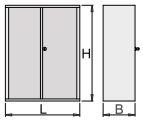


- material: premium PLUS sheet metal
- locking with keylock and folding key
- lock with key included also foam keyring
- drawers with ball-bearing slides
- coated with eco colour of Qualicoat quality standard

SKU	L	B	H	
622671	695	660	2030	135000

949.1

Tool cabinet

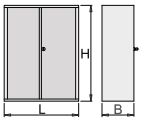


- material: premium PLUS sheet metal
- locking with keylock and folding key
- lock with key included also foam keyring
- coated with eco colour of Qualicoat quality standard
- is part of 949

SKU	L	B	H	
622672	695	660	1023	48800

949.2

Tool cabinet



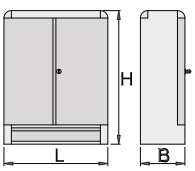
- material: premium PLUS sheet metal
- locking with keylock and folding key
- lock with key included also foam keyring
- 7 drawers L 560 x W 605 x H 115mm
- drawers with ball-bearing slides
- coated with eco colour of Qualicoat quality standard
- is part of 949

SKU	L	B	H	
622673	695	660	1023	83400

948E1

Tool cabinet

- material: premium PLUS sheet metal
- locking with keylock and folding key
- lock with key included also foam keyring
- drawers with ball-bearing slides
- coated with eco colour of Qualicoat quality standard
- 1 drawer, dimension 560x245x70
- the interior of the cabinet is fitted with perforated steel plate



SKU	L	B	H	
612215	700	300	900	27500

948E1.1

Accessories for 948E1

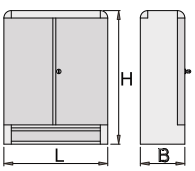
- accessories: hooks (35 pcs dim. 35mm, 10 pcs dim. 50mm and 20 pcs dim. 100mm), with metal stands for wrenches - 3 pcs and chisels - 1 pcs

SKU	
612908	2600

948E2

Tool cabinet

- material: premium PLUS sheet metal
- locking with keylock and folding key
- lock with key included also foam keyring
- coated with eco colour of Qualicoat quality standard
- the interior of the cabinet is fitted with perforated steel plate

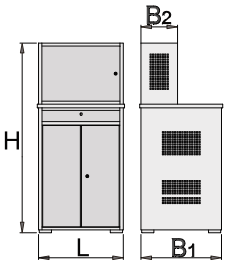


SKU	L	B	H	
612216	700	300	900	26000

955IND1

Industrial tool cabinet

- applications: production industry; car repair shops; laboratory; … in situations where measurements are carried out by computer
- cabinets on the top are suitable for screen (internal dimension is 625x290x430mm)
- beech plywood plate with a thickness of 20 mm
- drawer for keyboard dimension 560x450x40 mm
- in the cabinet it is a place for computer and additional equipment. It is possible to adjust the shelf in 6 different positions. Internal dimensions of cabinet are 635x630x810
- made from high quality 1 mm thick sheet metal
- cylindrical lock with flexible key
- locking with keylock and folding key
- coated with eco colour of Qualicoat quality standard



SKU	L	B1	B2	H	
622816	715	680	310	1553	76400

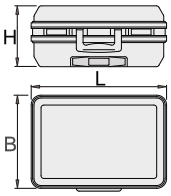
969L

Tool case

- mobile case with user-friendly telescopic handle
- case shells made of dentproof ABS material
- robust aluminium frame with protection for the sharp edges
- two lockable clip locks
- combination lock
- variable bottom tray
- interior dimension: L485 x B370 x H200 mm
- volume: 36 l
- payload: 30 kg

Interior:

- document partition in the lid (A4 format)
- Tool case includes 2 removable tool board (double-sided with 22 tool pockets and one-sided with 15 tool pockets)
- Variable bottom tray with 2 dividers, 4 adaptor pieces and 2 middle caps for shorting dividers
- Instruction manual to customize bottom tray with dividers are included.



SKU	L	B	H	
621633	515	445	260	6400

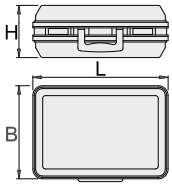
969S

Tool case

- case shells made of dentproof ABS material
- robust aluminium frame with protection for the sharp edges
- two lockable clip locks
- combination lock
- variable bottom tray
- interior dimension: L460 x B355 x H180 mm
- volume: 29 l
- payload 25 kg

Interior:

- document partition in the lid (A4 format)
- Tool case includes 2 removable tool board (double-sided with 22 tool pockets and one-sided with 15 tool pockets)
- Variable bottom tray with 2 dividers, 4 adaptor pieces and 2 middle caps for shorting dividers
- Instruction manual to customize bottom tray with dividers are included.

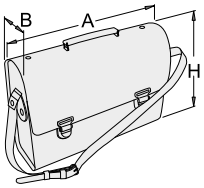


SKU	L	B	H	
621631	500	420	200	4200

909

Electrical bag

- Material: artificial leather 650 g, pocket walls 450g
- Lock, rings, rivets, buckle, protective knob made from metal, chrome plated
- number of pocket: 28

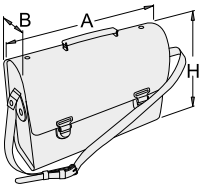


SKU	A	B	H	
601939	420	140	320	2400

909/1

Electrical bag

- Material: artificial leather 650 g, pocket walls 450g
- Lock, rings, rivets, buckle, protective knob made from metal, chrome plated
- number of pocket: 11

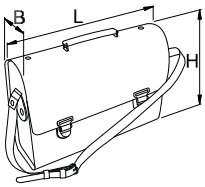


SKU	A	B	H	
602552	350	110	300	1542

909/1PES

Electrical bag

- Material: polyester
- Lock, rings, rivets, buckle, protective knob made from metal, chrome plated
- number of pocket: 11

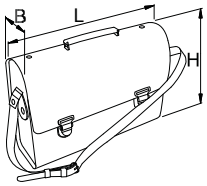


SKU	L	B	H	
624058	350	110	300	1253

909PES

Electrical bag

- Material: polyester
- Lock, rings, rivets, buckle, protective knob made from metal, chrome plated
- number of pocket: 28

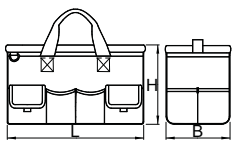


SKU	L	B	H	
624057	420	140	320	2035

1112

Tool bag

- material: polyester fabric
- zip closing
- dimensions: L510 x W280 x H310 mm
- volume 28l
- 2 solid handles with stuffed grip, removable and adjustable shoulder strap with slidding rubber buffer
- outer bottom protection with 6 rubber legs
- 6 internal pockets for tools storing
- large zip opening for easy access
- 10 outer tool pockets for better organizing of tools
- 2 outer tool pockets with Velcro fastening

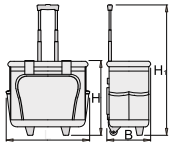


SKU	L	B	H	
628162	510	280	310	1604

1113

Tool bag with wheels

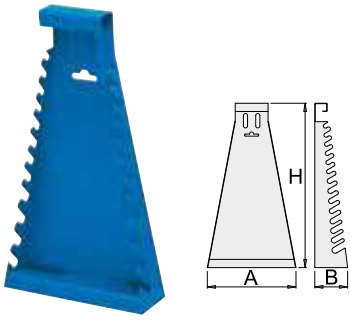
- material: polyester fabric
- zip closing
- dimensions: L460 x W270 x H400 mm
- volume 25l
- mobile tool bag with user-friendly telescopic handle
- 2 solid handles with stuffed grip
- bag shells made of dentproof ABS material
- large zip opening for easy access
- removable double tool board with 40 tool pockets with velcro fastening
- 4 internal pockets and elastic loop for tools storing
- 8 outer tool pockets for better organizing of tools, 3 of them protect with zip closing
- delivered without tools



SKU	L	B	H	H1	
628163	460	270	400	1050	4525

977/1

Metal stand for open end wrenches

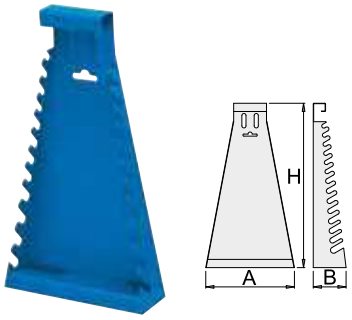


› material: premium sheet metal
› coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
605160	6 - 32/12	180	50	330	420

977/2

Metal stand for combination wrenches - long type

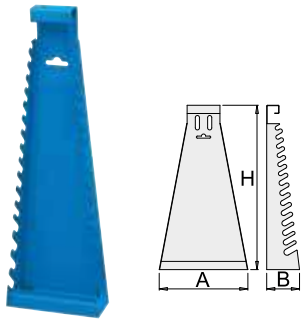


› material: premium sheet metal
› coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
605161	6 - 22/17	215	55	420	590

977/3

Metal stand for combination wrenches - short type

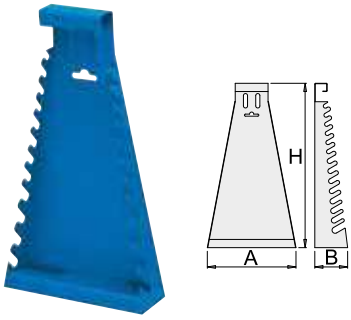


› material: premium sheet metal
› coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
605162	6 - 22/17	115	60	420	790

977/4

Metal stand for offset ring wrenches

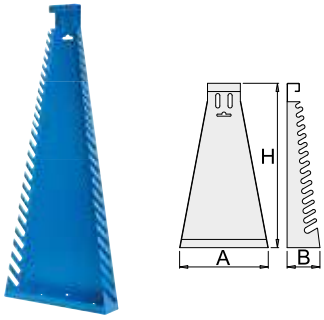


› material: premium sheet metal
› coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
605163	6 - 32/12	220	80	410	890

977/5

Metal stand for combination wrenches, long type

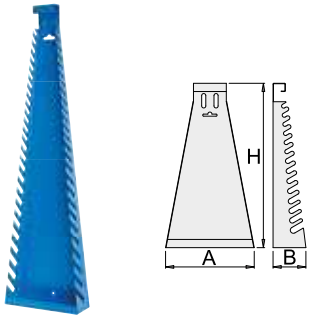


› material: premium sheet metal
› coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
607386	6 - 32/26	305	65	730	890

977/6

Metal stand for combinations wrenches, short type

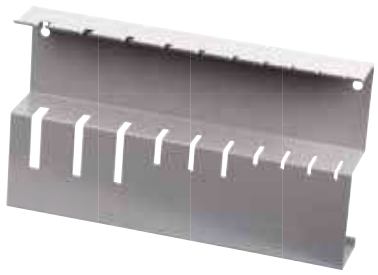


› material: premium sheet metal
› coated with eco colour of Qualicoat quality standard

SKU		A	B	H	
607387	6 - 32/26	205	65	730	890

977/7

Metal stand for screwdrivers with T-handle



SKU	
608355	890

950.1

Frame for identification card

SKU	
617188	24

950.3

Shelf for 950/9,6,3,2,1

SKU	
617177	2170

950.4

Waved plastic insert for 950/9,6,3,2,1

SKU	
617187	150

997.1

Hook, 10 pcs set

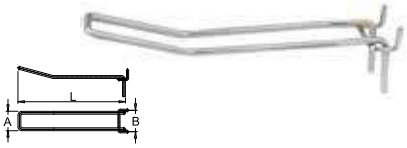
- for display boards, display panel and tool cabinets
- it is possible to fix the hangers in a required position
- chrome plated

SKU	L	D	
609478	35	4	100
609479	50	4	120
609480	80	4	134
609447	100	4	161
610559	150	5	296
610560	200	5	368

MADE FOR WORK.

997.4

Double hook, 10 pcs set

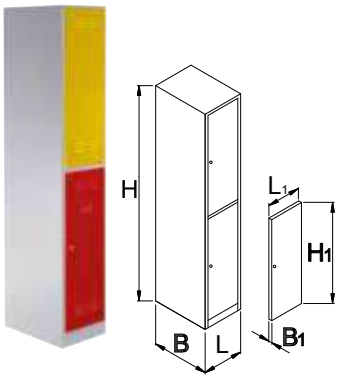


- for display boards, display panel and tool cabinets
- it is possible to fix the hangers in a required position
- chrome plated

SKU	L	A	B	
623346	150	27	30	405
623347	200	27	30	485
623348	250	27	30	596
623349	300	27	30	695

950/2

Wardrobe cabinet, 2 compartments

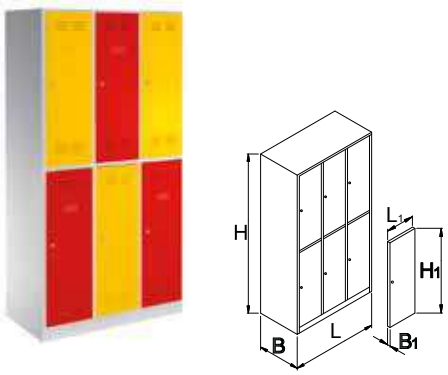


- The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- the body of the wardrobe is made of 0.8 mm thick high quality sheet steel
- the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).

SKU	L	B	H	L1	B1	H1	
617115	350	500	1880	300	20	875	35000

950/6

Wardrobe cabinet, 6 compartments



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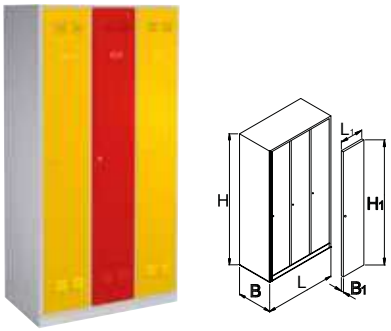
- the body of the wardrobe is made of 0.8 mm thick high quality sheet steel
- the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).

SKU	L	B	H	L1	B1	H1	
616652	1000	500	1880	300	20	875	75000

950/3V

Wardrobe cabinet, 3 compartments

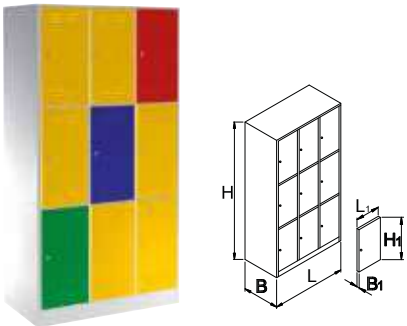


- The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- the body of the wardrobe is made of 0.8 mm thick high quality sheet steel
- the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).

SKU	L	B	H	L1	B1	H1	
617175	1000	500	1880	300	20	1775	75000

950/9

Wardrobe cabinet, 9 compartments

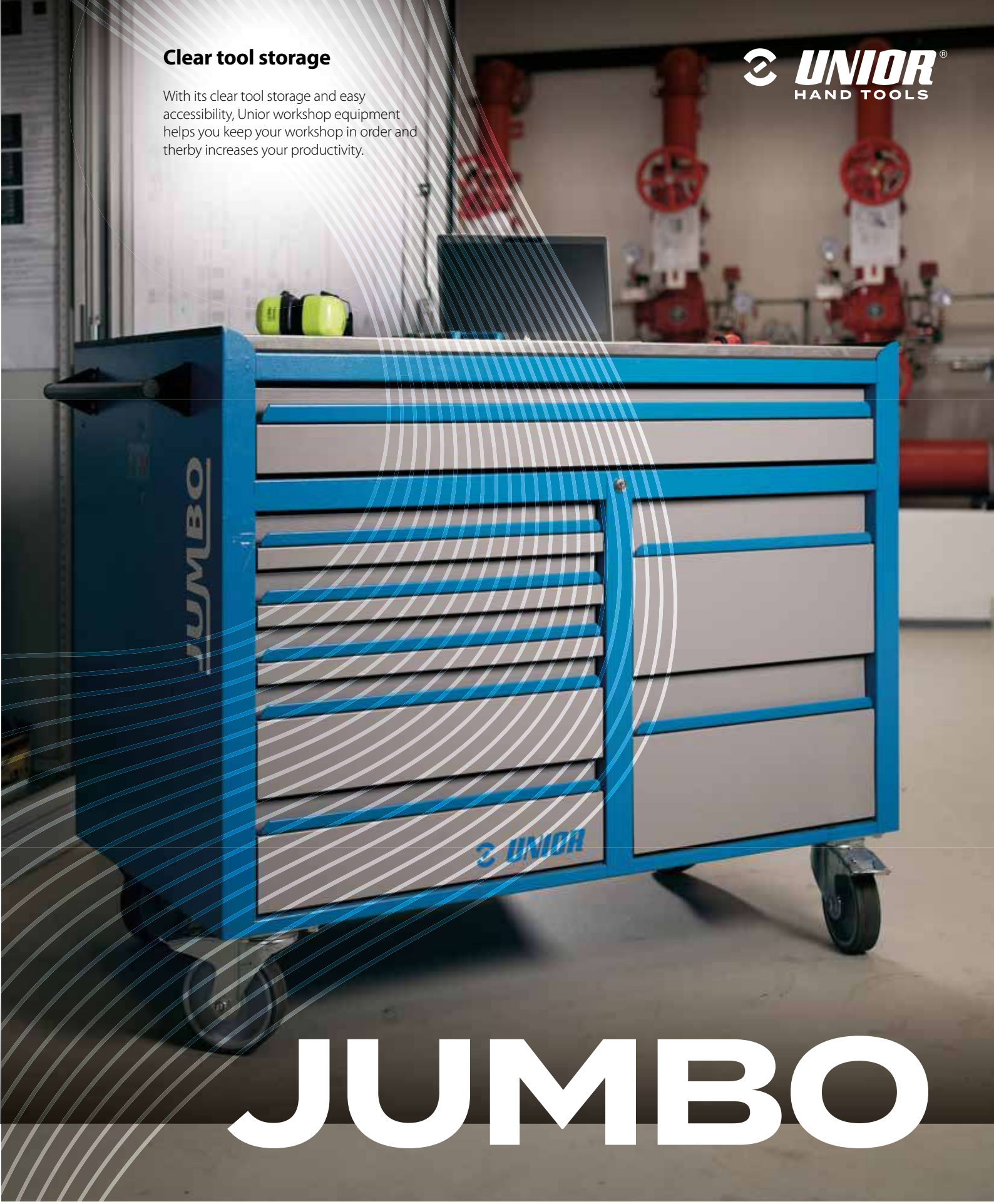


- The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- the body of the wardrobe is made of 0.8 mm thick high quality sheet steel
- the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).

SKU	L	B	H	L1	B1	H1	
617116	1000	500	1880	300	20	575	95000

Clear tool storage

With its clear tool storage and easy accessibility, Unior workshop equipment helps you keep your workshop in order and therby increases your productivity.



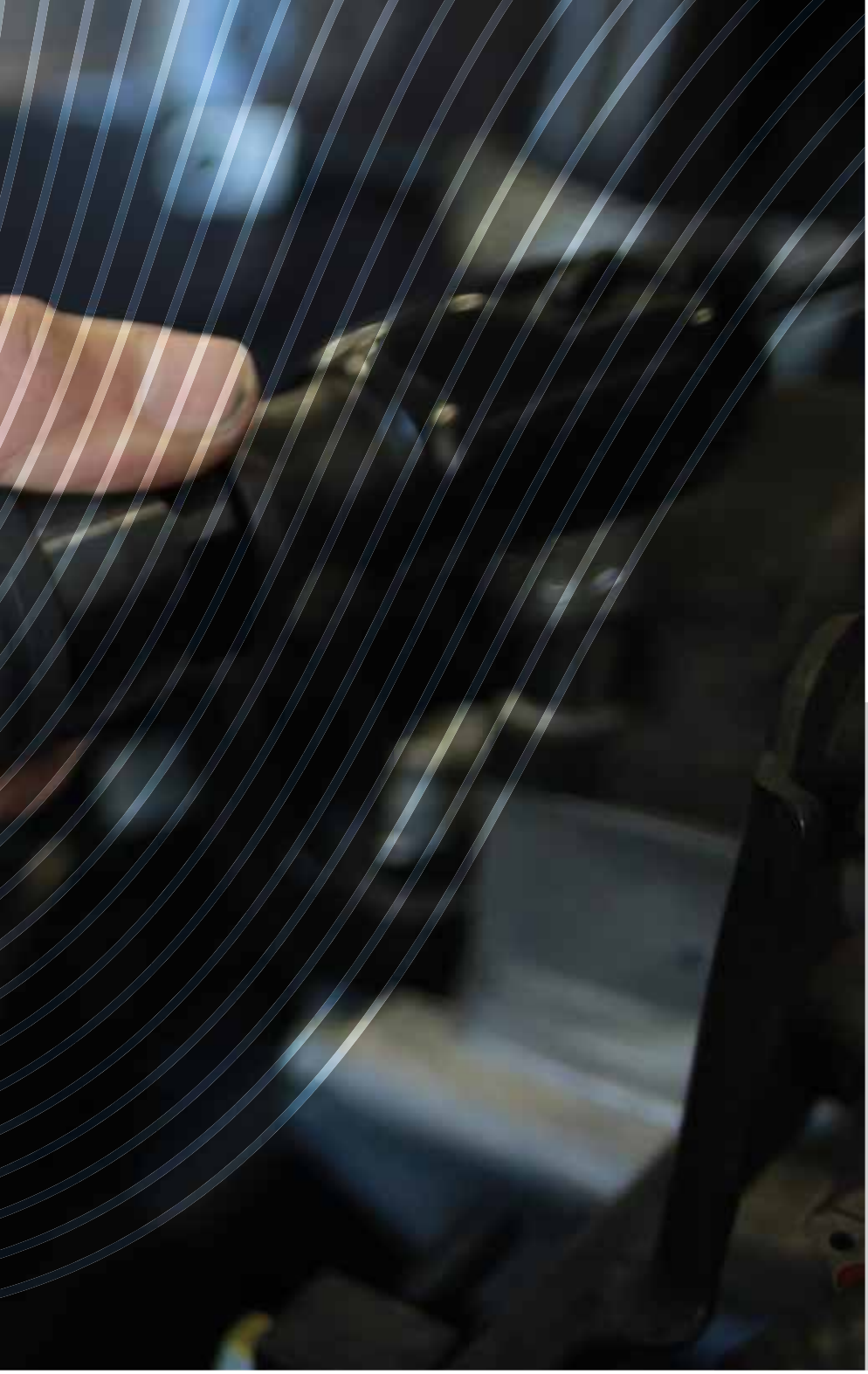
JUMBO

Unior Hand Tools has developed something completely new for professionals, as well as hobby enthusiasts, who will definetly be impressed. Quality, convenience, functional perfection, order and above all, the size of the drawers, the working surface and the tool carriages themselves, are the main characteristics of the new Jumbo tool carriages. They will be an essential for all those who wouls like to take their approach to work and quality of the work to the next level. In addition to their size, which distinguishes them from othe Unior tools carriages, the new tool carriages are available in 3 different versions. With their attractive appearance and size, the new Jumbo carriages really live up to their name, so let us introduce them to you!

PNEUMATIC TOOLS AND ACCESSORIES

For better ergonomics, greater power and lightness of the tool!

In this area too, Unior has made a major breakthrough and comprehensive progress towards increasingly modern pneumatic tools. Unlike in the past, these are today made of artificial materials and with a much improved internal mechanism. All this provides the user with better ergonomics, greater strength and lightness of the tool itself, and above all enables faster work and a long service life for the tool, even in difficult conditions. Unior pneumatic tools are also characterized by high quality and safe operation, in accordance with the highest safety standards. Due to its simple use, the tool is suitable for both home and professional users.



- **LIGHTNESS –** as the new line of pneumatic tools is made of a composite material, which makes it easier to use for longer periods.
- **INTEGRITY –** as in addition to screwdrivers and ratchets, we also offer impact socket wrenches and all the pneumatic accessories needed when using pneumatic tools.
- **VARIOUS ATTACHMENTS –** where the screwdrivers are available in 3/8", 1/2", 3/4", 1", 1.1/2" attachments, which means the user can make the right choice for the appropriate work.

EXTEND THE WARRANTY OF YOUR PRODUCT AND REGISTER IT ON OUR WEB PAGE.

HOW TO CONNECT UNIOR PNEUMATIC TOOLS?

PNEUMATIC RATCHETS	**250 - 251**
PNEUMATIC IMPACT WRENCHES	**252 - 255**
OTHER PNEUMATIC TOOLS	**256 - 260**

1522

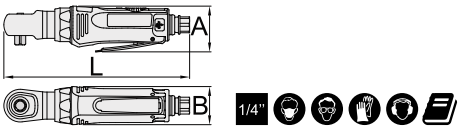
Pneumatic reversible ratchet with composite housing

- free speed 200 revolution per minutes
- max. torque 41 Nm
- recommended air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"

Advantages:
- thick wall ratchet head
- ball bearing
- cushioned grip
- new air regulator
- 360° swivel air inlet
- rear exhaust
- low noise 79dB(A)
- small and compact tool
- quality production
- handy turn-on switch
- fast and handy adjustment of the rotation direction

Usage:
- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

Important!
- The use of Unior IMPACT sockets is recommended.



SKU	■	L	A	B	Nm	
627565	1/4"	196	49	40,8	41	749

1531

Pneumatic reversible ratchet

- free speed 250 revolution per minutes
- max. torque 54 Nm
- maximum air pressure: 6,2 Bar
- air consumption 71 l/min
- air inlet 1/4"
- max bolt size M6

Advantages:
- small and compact tool
- quality production
- handy turn-on switch
- fast and handy adjustment of the rotation direction
- sluice-gate enabling prevention of air inlet into the tool

Usage:
- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

Important!
- The use of Unior IMPACT sockets is recommended.

SKU	■	L	A	B	Nm	
615318	3/8"	165	37	41	54	520

1532

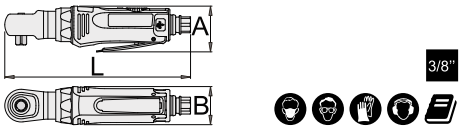
Pneumatic reversible ratchet with composite housing

- free speed 200 revolution per minutes
- max. torque 54 Nm
- recommended air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- max bolt size M8

Advantages:
- thick wall ratchet head
- ball bearing
- cushioned grip
- new air regulator
- 360° swivel air inlet
- rear exhaust
- low noise 79dB(A)
- small and compact tool
- quality production
- handy turn-on switch
- fast and handy adjustment of the rotation direction

Usage:
- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

Important!
- The use of Unior IMPACT sockets is recommended.



SKU	■	L	A	B	Nm	
627566	3/8"	196	49	40,8	54	748

1551

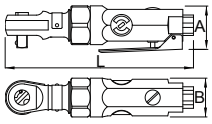
Pneumatic reversible ratchet

- free speed 160 revolution per minutes
- max. torque 81 Nm
- maximum air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- max bolt size M10

Advantages:
- small and compact tool
- quality production
- handy turn-on switch
- fast and handy adjustment of the rotation direction
- sluice-gate enabling prevention of air inlet into the tool

Usage:
- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

Important!
- The use of Unior IMPACT sockets is recommended.



1/2"

SKU	■	L	A	B	Nm	
615319	1/2"	254	45	41	81	1370

1552

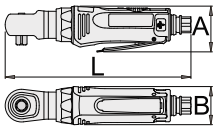
Pneumatic reversible ratchet with composite housing

- free speed 150 revolution per minutes
- max. torque 90 Nm
- recommended air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- max bolt size M10

Advantages:
- thick wall ratchet head
- ball bearing
- cushioned grip
- new air regulator
- 360° swivel air inlet
- rear exhaust
- low noise 79dB(A)
- small and compact tool
- quality production
- handy turn-on switch
- fast and handy adjustment of the rotation direction

Usage:
- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

Important!
- The use of Unior IMPACT sockets is recommended.



1/2"

SKU	■	L	A	B	Nm	
627567	1/2"	256	56	47,8	90	1332

1541

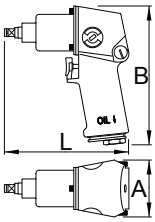
Impact wrench

- free speed 10000 revolution per minutes
- max. torque 271 Nm
- maximum air pressure: 6,2 Bar
- air consumption 71 l/min
- air inlet 1/4"
- max bolt size M10

Advantages:
- controlled torque
- fast screwing
- wide range of use

Usage:
- car industry
- aircraft industry
- agricultural equipment
- heavy industry
- larger construction machinery
- shipbuilding industry
- individual mounting

Important!
- Always use Unior IMPACT sockets.



3/8"

SKU	■	L	A	B	Nm	
615320	3/8"	139	73,5	175	271	1350

1561

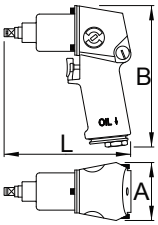
Impact wrench

› free speed 8000 revolution per minutes
› max. torque 814 Nm
› maximum air pressure: 6,2 Bar
› air consumption 113 l/min
› air inlet 1/4"
› max bolt size M16

Advantages:
› controlled torque
› fast screwing
› wide range of use

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

Important!
› Always use Unior IMPACT sockets.



1/2"

SKU	■	L	A	B	Nm	
615322	1/2"	188	70	190	814	2910

1562

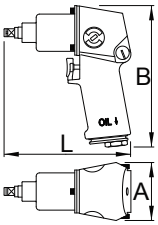
Impact wrench

› free speed 7000 revolution per minutes
› max. torque 949 Nm
› maximum air pressure : 6,2 Bar
› air consumption 119 l/min
› air inlet 1/4"
› max bolt size M18

Advantages:
› controlled torque
› fast screwing
› wide range of use

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

Important!
› Always use Unior IMPACT sockets.



1/2"

SKU	■	L	A	B	Nm	
615321	1/2"	204	70	192	949	2800

1563

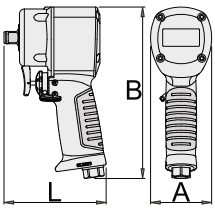
Stubby impact wrench

› free speed 8000 revolution per minutes
› max. torque 745 Nm
› recommended air pressure: 6,2 Bar
› air consumption 164 l/min
› air inlet 1/4"
› noise level 104dB(A)
› max bolt size M20

Advantages:
› composite motor housing
› handle exhaust (silencer)
› one hand forward / reverse
› compact and powerful
› jumbo hammer mechanism

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

Important!
› Always use Unior IMPACT sockets.



1/2"

SKU	■	L	A	B	Nm	
627568	1/2"	105,4	63	177	745	1329

1564

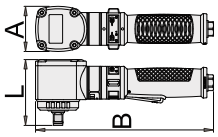
Angle impact wrench

› free speed 8000 revolution per minutes
› max. torque 343 Nm
› recommended air pressure: 6,2 Bar
› air consumption 113 l/min
› air inlet 1/4"
› noise level 92 dB(A)
› max bolt size M16

Advantages:
› aluminium motor housing
› composite handle
› handle exhaust (silencer)
› one hand forward / reverse
› compact and powerful
› jumbo hammer mechanism

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

Important!
› Always use Unior IMPACT sockets.



1/2"

SKU	■	L	A	B	Nm	
627569	1/2"	88	60	237	343	1332

1566

Impact wrench

› free speed 8000 revolution per minutes
› max. torque 1223 Nm
› recommended air pressure: 6,2 Bar
› air consumption 113 l/min
› air inlet 1/4"
› noise level 93 dB(A)
› max bolt size M24

Advantages:
› composite motor housing
› twin hammer mechanism
› one hand forward / reverse
› compact and powerful
› variable speed trigger

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

Important!
› Always use Unior IMPACT sockets.

1/2"

SKU	■	L	A	B	Nm	
627570	1/2"	187	70	193	1223	2227

1571

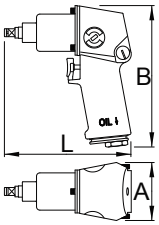
Impact wrench

› free speed 6500 revolution per minutes
› max. torque 1085 Nm
› maximum air pressure: 6,2 Bar
› air consumption 198 l/min
› air inlet 1/4"
› max bolt size M24

Advantages:
› controlled torque
› fast screwing
› wide range of use

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

Important!
› Always use Unior IMPACT sockets.



3/4"

SKU	■	L	A	B	Nm	
615324	3/4"	236	80	240	1085	4550

1565

Impact wrench and socket set 1/2" in plastic box

› Dimension of box: 346 x 292 x 83

1/2"

SKU		
615516	10 - 27	17

1561 (1/2"/824 Nm), **231.4/4** (1/2"x125, 1/2"x75), **231.8/4** (10 - 14, 15 - 32), **231/4 6p** (10, 13, 17, 19, 21, 22, 24, 27), **231/4L6p** (17, 19, 21, 22, 24, 27)

1573

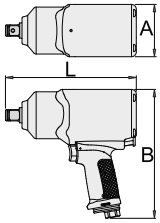
Impact wrench

› free speed 5500 revolution per minutes
› max. torque 2034 Nm
› recommended air pressure: 6,2 Bar
› air consumption 198 l/min
› air inlet 3/8"
› noise level 93 dB(A)
› max bolt size M30

Advantages:
› composite motor housing
› twin hammer mechanism
› one hand forward / reverse
› compact and powerful
› variable speed trigger

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

Important!
› Always use Unior IMPACT sockets.



3/4"

SKU	■	L	A	B	Nm	
627571	3/4"	220	88	217	2034	3764

1591

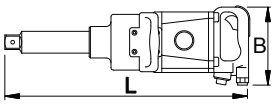
Impact wrench

› free speed 4000 revolution per minutes
› max. torque 2439 Nm
› maximum air pressure: 6,2 Bar
› air consumption 340 l/min
› air inlet 1/2"
› max bolt size M36

Advantages:
› controlled torque
› fast screwing
› wide range of use

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

Important!
› Always use Unior IMPACT sockets.



1"

SKU	■	B	L	Nm	
615325	1"	650	495	2439	13600

1575

Impact wrench and socket set 3/4" in plastic box

› Dimension of box: 393 x 331 x 95

3/4" 3/4"

SKU	
617161	7
1571 (3/4"/1085 Nm), **232/4 6p** (19, 24, 27, 32, 36, 41)	

1592

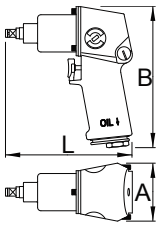
Impact wrench

› free speed 4000 revolution per minutes
› max. torque 2439 Nm
› maximum air pressure: 6,2 Bar
› air consumption 340 l/min
› air inlet 1/2"
› max bolt size M36

Advantages:
› controlled torque
› fast screwing
› wide range of use

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

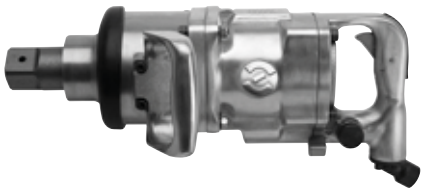
Important!
› Always use Unior IMPACT sockets.



SKU	■	L	A	B	Nm	
615326	1"	307	114	280	2439	12800

1596

Impact wrench

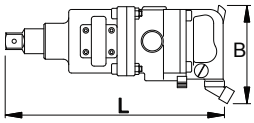


› free speed 3000 revolution per minutes
› max. torque 3388 Nm
› maximum air pressure: 6,2 Bar
› air consumption 410 l/min
› air inlet 1/2"
› max bolt size M45

Advantages:
› controlled torque
› fast screwing
› wide range of use

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

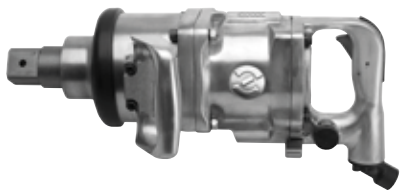
Important!
› Always use Unior IMPACT sockets.



SKU	■	B	L	Nm	
617690	1.1/2"	550	450	3388	17800

1597

Impact wrench

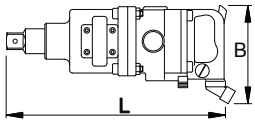


› free speed 3000 revolution per minutes
› max. torque 4065 Nm
› maximum air pressure: 6,2 Bar
› air consumption 435 l/min
› air inlet 1/2"
› max bolt size M52

Advantages:
› controlled torque
› fast screwing
› wide range of use

Usage:
› car industry
› aircraft industry
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› individual mounting

Important!
› Always use Unior IMPACT sockets.



SKU	■	B	L	Nm	
617691	1.1/2"	545	465	4065	18600

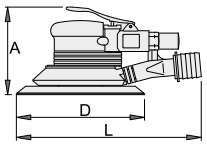
1510

Pneumatic sander

- free speed 10000 revolution per minutes
- maximum air pressure : 6,2 Bar
- air consumption 212 l/min
- air inlet 1/4"
- Velcro sander pad

Advantages:
- the ergonomic shape of the handle enables good grip and prevents gliding
- suitable for lefthanders as well as for right-handers
- silent and powerful drive
- handy on/off switch
- exhaustion of parts into a bag for a cleaner workplace
- flexible and robust pipe for cleaning dust
- it does not leave edges on the working platform
- better work conditions due to minimal vibrations
- extreme power based on its weight (1.2 kg)

Usage:
- vehicle workshops
- preparation of different working platforms for further process
- ideal for grinding construction steel, metals and wood
- The basis of sander is VELCRO™ system which is: quick, simple and safe to mount and unmount various sander pads. This system is being used for various occasions - the best known example is training shoes with VELCRO™ fastening.



SKU	№	L	A	D	
617733	2.5	220	105	150	1600
617713	5	220	105	150	1615

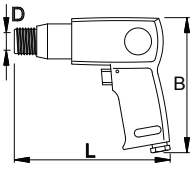
1514

Stroke pneumatic hammer

- used for cutting sheet, bolts and removing welding slag, rivets, plaster and tiles
- with spring, quick change retainer as spare parts
- piston stroke length: 170 - 67mm, 225 - 92mm
- bore diameter 9,1mm
- stroke per minute: 170 - 3000, 225 - 2100
- air consumption 250 l/min
- air inlet 1/4"

Advantages:
- light and compact tool, used also in small rooms
- wide range of use
- change retainer

Usage:
- car industry
- cutting of sheet metal and screws
- removal of welds
- working on walls, concrete, stones, bricks, steel, light metals



SKU	L	B	D	
617714	170	150	19	1810
617715	225	150	19	2160

1514.1B

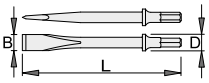
Spring for 1514

SKU	
617716	69

1514A1

Flat chisel

Usage:
- Shaping and cleaning of welds, trimming of bolts and nails, production of slots, cleaning and evening of uneven surfaces.

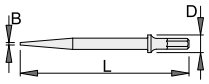


SKU	L	B	D	
617718	182	18	19	181

1514A2

Pointed chisel

Usage:
- removing pins and rivets, making holes

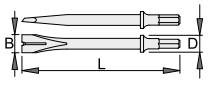


SKU	L	B	D	
617719	180	2	19	154

1514A3

Rivet and welding slag chisel

Usage:
- removing rivets and welding slags



SKU	L	B	D	
617720	180	20	19	179

1514.2B

Quick change retainer for 1514

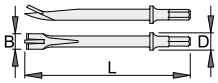
- for fast and simple attachment/removing of the chisel
- quick replacement with releasing the upper releasing ring
- ribbed releasing ring for maximum grip when replacing

SKU	
617717	351

1514A4

Sheet cutting chisel

Usage:
- cutting sheet metal

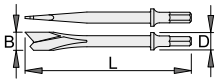


SKU	L	B	D	
617721	180	16.7	19	178

1514A5

V edge chisel

Usage:
- cutting sheet metal

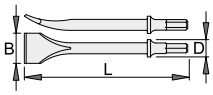


SKU	L	B	D	
617722	190	19.2	19	187

1514A6

Spade chisel

Usage:
- shaping and cleaning of welds, trimming of bolts and nails, production of slots, cleaning and evening of uneven surfaces



SKU	L	B	D	
617723	178	32.8	19	207

1514PB

Stroke pneumatic hammer, with set of chisels

- Dimension of box: 307 x 260 x 70

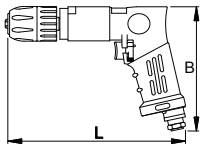
SKU	
619964	7
1514 (170), **1514A1** (182), **1514A2** (180), **1514A3** (180), **1514A4** (180), **1514A5** (190), **1514A6** (178),	

1515

Pneumatic drill

- reversible
- free speed 1800 revolution per minutes
- maximum air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- chuck capacity 1,0 - 10mm
- spindle thread 3/8", 24 UNF
- internal hose size 10mm

Advantages:
- extreme power based on size
- lightweight, compact and easy-to-master tool
- handy turn-on switch
- ergonomically shaped handle for work without effort
- plastic cover for handle dampens vibrations
- reversible turning
- quick change retainer



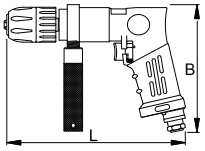
SKU	L	B	
617726	190	150	1360

1515H

Pneumatic drill with handle

- reversible turning
- free speed 800 revolution per minutes
- maximum air pressure : 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- chuck capacity 1,5 - 13mm
- spindle thread 3/8", 24 UNF
- internal hose size 10mm

Advantages:
- extreme power based on size
- lightweight, compact and easy-to-master tool
- adjustable handle for better support
- handy turn-on switch
- ergonomically shaped handle for work without effort
- plastic cover for handle dampens vibrations
- reversible turning
- quick change retainer



SKU	L	B	
617727	220	150	1570

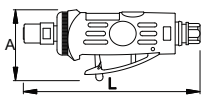
1516

Pneumatic die grinder

- free speed 25000 revolution per minutes
- maximum air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- collet capacity 6 mm
- internal hose size 10mm

Advantages:
- safety lever which prevents accidental turn-on
- simple clamping of thin cut-off wheels (grinding/polishing pins) and other parts/ extensions
- extreme power based on size
- small and compact tool
- continuously variable regulation of rpm

Usage:
- precise grinding
- full grinding
- tool industry
- car industry
- aircraft industry
- cleaning of welds
- cleaning of concrete and wall surfaces
- cleaning of wooden surfaces
- removal of colours and varnish
- removal of rust
- grinding of bearings
- grinding of motor valves
- grinding of gears and coils
- various other surfaces



SKU	L	A	
617731	155	60	390

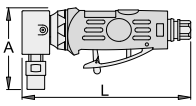
1516A

Pneumatic angle die grinder

- free speed 20000 revolution per minutes
- maximum air pressure: 6,2 Bar
- air consumption 113 l/min
- air inlet 1/4"
- collet capacity 6 mm
- internal hose size 10mm

Advantages:
- this angle edition enables access to difficult-to-reach places which normal grinders cannot reach
- safety lever which prevents accidental turn-on
- simple clamping of thin cut-off wheels (grinding/polishing pins) and other parts/ extensions
- extreme power based on size
- small and compact tool
- continuously variable regulation of rpm

Usage:
- precise grinding
- full grinding
- tool industry
- car industry
- aircraft industry
- cleaning of welds
- cleaning of concrete and wall surfaces
- cleaning of wooden surfaces
- removal of colours and varnish
- removal of rust
- grinding of bearings
- grinding of motor valves
- grinding of gears and coils
- various other surfaces



SKU	L	A	
617732	162	76	740

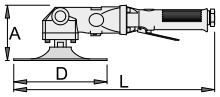
1517S

Pneumatic angle sander

- free speed 4500 revolution per minutes
- maximum air pressure: 6,2 Bar
- air consumption 340 l/min
- air inlet 1/4"
- spindle thread 5/8"

Advantages:
- small and compact tool
- suitable for lefthanders as well as for right-handers
- removable handle
- handy turn-on switch

Usage:
- grinding of welds
- grinding of sharp edges
- reparation of small uneven surfaces



SKU	L	A	D	
617729	375	100	175	2610

MADE FOR WORK.

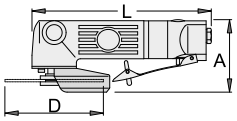
1518

Pneumatic angle grinder

› free speed 11000 revolution per minutes
› maximum air pressure: 6,2 Bar
› air consumption 170 l/min
› air inlet 1/4"

Advantages:
› removable handle
› safety lever prevents unwanted turn-on

Usage:
› protection from rotating parts
› also usable in small rooms/places
› tool industry
› cleaning of welds
› cleaning of concrete and wall surfaces
› cleaning of wooden surfaces
› removal of colours and varnish
› removal of rust
› cutting profile carriers and sheet metal
› other home use

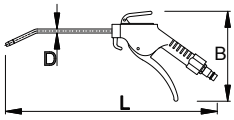


SKU	L	A	D	
617730	230	90	125	2175

1508A

Pneumatic duster

› maximum air pressure: 10,9 Bar
› air consumption 220 l/min

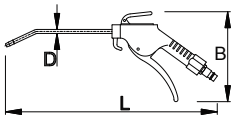


SKU	L	B	D	
617767	260	135	6	153

1508B

Long pneumatic duster

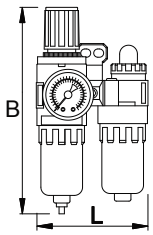
› maximum air pressure: 10,9 Bar
› air consumption 220 l/min



SKU	L	B	D	
617768	420	150	6	178

1500

Pneumatic filter regulator and lubricator 1/4"

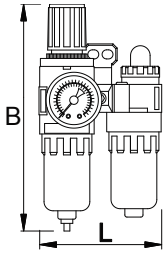


› air inlet 1/4"
› maximum air pressure: 9,5 Bar
› air consumption 600 l/min
› working pressure 0,5 - 8,5 Bar
› working temperature 5 - 60 °C
› filtering grade 5µ
› filter capacity 15ml
› lubricator capacity 25ml

SKU	L	B	
617735	90	155	491

1501

Pneumatic filter regulator and lubricator 3/8"

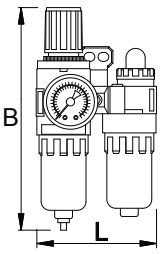


› air inlet 3/8"
› maximum air pressure: 9,5 Bar
› air consumption 1800 l/min
› working pressure 0,5 - 8,5 Bar
› working temperature 5 - 60 °C
› filtering grade 5µ
› filter capacity 60ml
› lubricator capacity 90ml

SKU	L	B	
617736	150	270	1285

1502

Pneumatic filter regulator and lubricator 1/2"

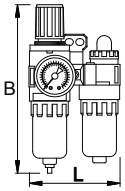


› air inlet 1/2"
› maximum air pressure: 9,5 Bar
› working pressure 0,5 - 8,5 Bar
› working temperature 5 - 60 °C
› filtering grade 5µ
› air consumption 2300 l/min
› filter capacity 60ml
› lubricator capacity 90ml

SKU	L	B	
617737	150	220	1265

1503

Pneumatic filter regulator and lubricator 3/4"

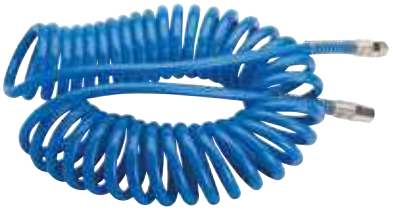


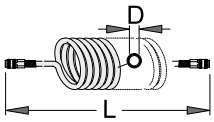
- air inlet 3/4"
- maximum air pressure: 9,5 Bar
- working pressure 0,5 - 8,5 Bar
- working temperature 5 - 60 °C
- filtering grade 5µ
- air consumption 2500 l/min
- filter capacity 60ml
- lubricator capacity 90ml

SKU	L	B	
621473	190	240	1805

1505

Spiral pneumatic hose



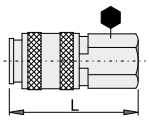


SKU	L (m)		D	
617743	9	1/4"	6.5 x 10	850
617744	9	1/4"	8 x 12	894
617745	9	3/8"	11 x 16	1526
617746	12	1/4"	6.5 x 10	835
617747	12	1/4"	8 x 12	1076
617748	12	3/8"	11 x 16	1847

1506KN7

Coupling, female part

- metal housing
- inside thread

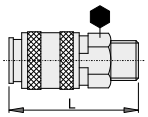


SKU			L	
617795	R1/4"	20	54.5	113
617796	R3/8"	20	55	105

1506KZ7

Coupling, female part

- metal housing
- outside thread

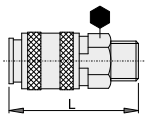


SKU			L	
617793	R1/4"	20	58	98
617794	R3/8"	20	54	101

1506KZ10

Coupling, female part

- metal housing
- outside thread

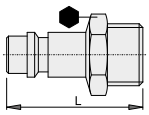


SKU			L	
621452	3/8"	24	62.5	149
621453	1/2"	24	65.0	156
621454	3/4"	27	67.1	191

1507Z7

Coupling, male part

- inside hose diameter Ø7mm
- outside thread
- metal housing

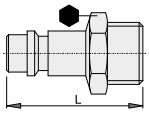


SKU			L	
617797	R1/4"	14	34	24
617798	R3/8"	19	36.5	34
618483	R1/2"	22	39	40

1507Z10

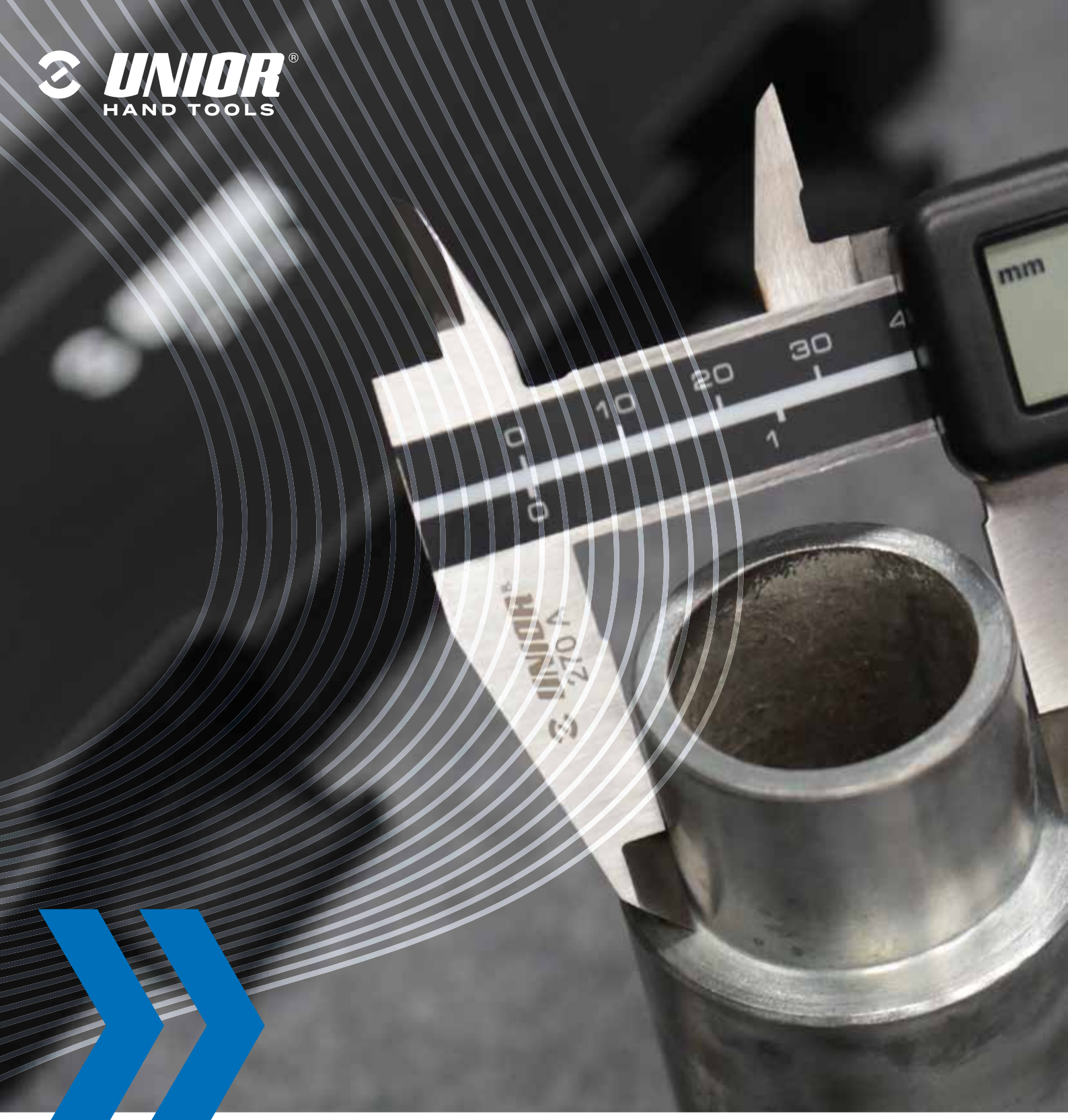
Coupling, male part

- outside thread
- inside hose diameter Ø10mm
- metal housing



SKU			L	
621455	3/8"	17	39.4	38
621456	1/2"	24	39.4	53
621457	3/4"	27	48.5	86

UNIOR
HAND TOOLS
UNIOR



MEASURING TOOLS

Precision is more important today than ever!

Measurements and measurement tools have always been important, but in this area, too, trends are changing, and everything is moving in the direction of upgrading the tools in the field of electronics. It is also important to measure, store and process data as accurately as possible. This is precisely why there is considerable progress in the integration of measuring tools with computers and in their digitisation.

- **VARIETY –** because the lines include measuring tools for different work, from torque wrenches, measuring tapes, spirit levels, feeler gauges and other measuring tools.
- **SERVICE AND CALIBRATION –** for torque wrenches, we offer repairs with spare parts, as well as regular calibrations.
- **PRECISION –** as each tool has a verified precision grade, which offers the user reliability in the measurements performed.

EXTEND THE WARRANTY OF YOUR PRODUCT
AND REGISTER IT ON OUR WEB PAGE!

TORQUE WRENCHES	**266 - 267**
MEASURING TAPES	**268 - 269**
SPIRIT LEVELS	**269**
TYRE SQUARES	**269 - 270**
SCREEDING LEVEL	**270**
CALLIPERS	**270**
OTHER MEASURING TOOLS	**271**

We focus! Unior torque spanner

Unior's product line contains several different types of torque wrenches, for different uses. Thus, we offer standard mechanical adjustable torque wrenches in a wide range of operation, as well as electronic torque wrenches. Unior torque wrenches are used in precision work, such as bicycle servicing, up to industrial use on heavier machines and devices where precision is crucial for the reliable operation of the machine or device.

Each wrench is designed to offer the highest possible precision and ease of use, while remaining ergonomic for comfortable working. This is why each Unior torque wrench is carefully calibrated and ready for immediate use, as confirmed by the included certificate on precision.

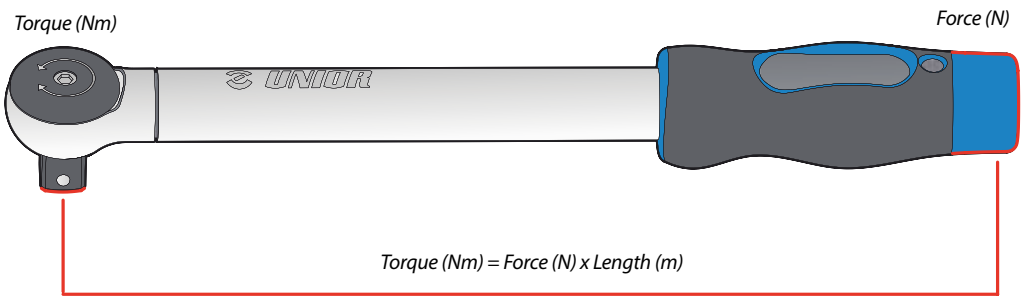
Torque wrenches

Unior offers a broad range of professional torque products. Our torque product line ranges from dial torque wrenches, slipper torque wrenches, torque wrenches and industrial torque wrenches. Each torque wrench is manufactured to precise specifications for maximum performance for your torque application. Each Unior torque wrench includes Calibration Certificate that verifies the actual readings.

Unior torque wrenches are certified to meet, and exceed the standards specified in ISO 6789.

What is a torque wrench?

A torque wrench is a wrench used to precisely set the torque of a fastening such as a nut or bolt. It is usually in the form of a socket wrench with special internal mechanisms. A torque wrench is used where the tightness of screws and bolts is crucial. It allows the operator to measure the torque applied to the bolt so it can be matched to the specifications.

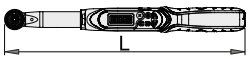


UNIDA

266

Electronic torque wrench

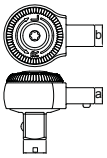
- target torque warning: buzzer + 12 LED lights
- operation mode: peak hold / track
- unit selection: N-m, in-lb, ft-lb, kg-cm
- head type: interchangeable head
- gear teeth: 52
- battery: AA × 2 pcs (not included)
- battery life (continuous operation): 110 hrs.
- battery life (standby): 1 year
- data memory size: 250 inputs
- 10 preset toque settings
- operating temperature: -10°C ~ 60°C
- storage temperature: -20°C ~ 70°C
- humidity: up to 90 % non-condensing
- drop test: 1 m
- vibration test: 10G
- warranty: 10.000 cycle / one year
- electromagnetic compatibility certificate
- accuracy CW: +/-2%, CCW: +/-3%
- PC connectivity



SKU	■	Nm	L	axb	
627575	1/4"	1,5 - 30	390	9 x 12	1395
627576	1/2"	6,8 - 135	410	9 x 12	1619
627577	1/2"	10 - 200	545	14 x 18	2268

266INS.1

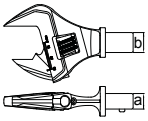
Ratchet insert tool for 266



SKU	⟼	■	Nm	axb	
628099	1/4" (9x12, 30Nm)	1/4"	1,5 - 30	9 x 12	69
628100	3/8" (9x12, 135Nm)	3/8"	6,8 - 135	9 x 12	153
628101	1/2" (9x12, 135Nm)	1/2"	6,8 - 135	9 x 12	156
628102	1/2" (14x18, 200Nm)	1/2"	10 - 200	14 x 18	310

266INS.2

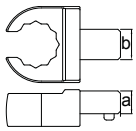
Adjustable wrench insert tool for 266



SKU	⟼	axb	Nm		
628103	9x12 (135Nm)	6,8 - 135	9 x 12	30	265
628104	14x18 (200Nm)	10 - 200	14 x 18	30	302

266INS.3

Open ring insert tool for 266



SKU	⟼	⬡	axb	
628105	10 (9x12)	10	9 x 12	53
628106	11 (9x12)	11	9 x 12	55
628107	12 (9x12)	12	9 x 12	55
628108	13 (9x12)	13	9 x 12	55
628109	14 (9x12)	14	9 x 12	59
628110	16 (9x12)	16	9 x 12	61
628111	17 (9x12)	17	9 x 12	63
628112	18 (9x12)	18	9 x 12	69
628113	19 (9x12)	19	9 x 12	71
628114	21 (9x12)	21	9 x 12	74
628115	22 (9x12)	22	9 x 12	76
628116	24 (14x18)	24	14 x 18	139

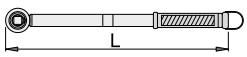
263

Torque wrench

- Accuracy: +/-3%
- micrometer scale for simple and error free settings
- adjustment lock to set torque
- QUICK ADJUSTMENT - Just eight turns to cover the entire scale
- **Torque application: both way, but always apply in direction specified on torque wrench handle**
- handle: Two component material
- dual scale lbf.ft and Nm
- Convenient hanger feature for wrench unlocking and adjustment
- 5° working angle

Important!

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque is reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



SKU	■	Nm	Nm	L	
626765	3/8"	12 - 60	10 - 45	328	700
626766	1/2"	40 - 200	30 - 150	459	1000
626767	1/2"	60 - 340	50 - 250	679	1550

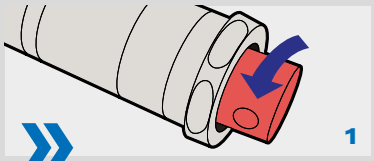
264

Click type torque wrench

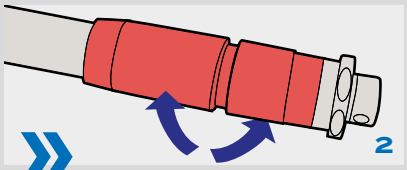
- reversible ratchet head
- Torque appllication: one-way, but always apply in direction specified on torque wrench handle
- ratchet operates in clockwise and anti-clockwise directions
- for tightening on right hand threaded bolts and nuts
- unmistakable signal when set torque is reached
- Default value for the recalibration interval is 12 month of use, or approximately 5.000 cycles!
- made according to standard ISO 6789
- dual scaled, Nm and Kgm

Important!

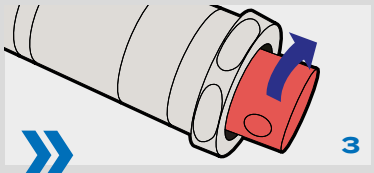
- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque is reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



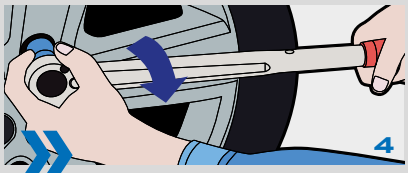
Unscrew the bottom bolt, to release screw for torque adjustment.



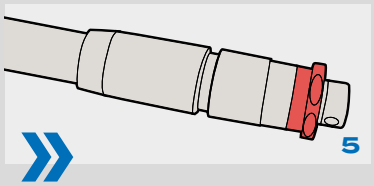
Adjust to designated torque.



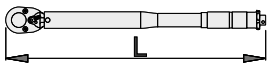
Screw back bottom bolt, to fix torque adjustment.



Adjust and start tightening (prescribed torque direction). When you hear audio signal (click), the designated torque is reached. Stop tightening.



Warning!
Never loosen screw marked red. In the event of unscrewing, your warranty will be void.



SKU	■	Nm	L	
615485	1/4"	2 - 24	270	686
615486	3/8"	5 - 110	360	1100
615487	1/2"	28 - 210	465	1680
615488	1/2"	35 - 350	640	2930
615489	3/4"	70 - 560	840	5600
615490	3/4"	140 - 700	1070	8200
615491	1"	140 - 980	1220	8800

265

Industrial torque wrench

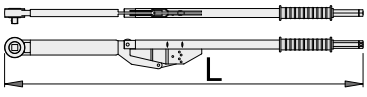
- robust construction gives accurate results, to +/-4%, even in arduous working conditions.
- every wrench supplied with a calibration certificate according to ISO 9000:2000
- the large break angle improves accuracy by reducing the possibility of over torqueing
- cam control of the mechanism gives a controlled break which prevent overtightening of the screw
- torque application: both way, but always apply in direction specified on torque wrench handle
- dual scaled, N.m and lbf.ft
- made according to standard ISO 6789

Usage:

- agricultural equipment
- building sector
- heavy industry
- larger construction machinery
- shipbuilding industry
- aircraft industry
- do not use torque wrench for untightening!

Important!

- Tool must be used with equal pulls and in accordance with the instructions in the manual.
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque is reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



SKU	■	Nm	Nm	L	
616802	3/4"	200 - 800	150 - 600	1140	9000
616803	3/4"	300 - 1000	200 - 750	1470	11000

280

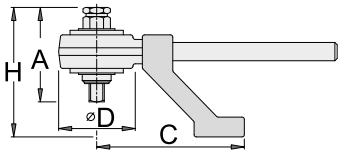
Torque multiplier

› 5:1 torque multiplication, accuracy guaranteed better than +/-4%
› supplied with two reaction bar styles for maximum versatility
› Robust construction means minimal maintenance and long life
› Supplied in a carrying case. Ideal for inclusion in the heavy vehicle tool kit

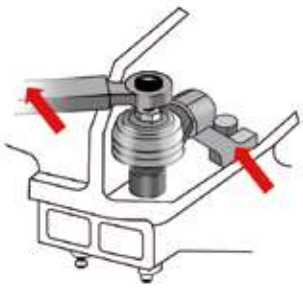
Advantages:
› Exactly defined multiplication – no need of tabular conversions
› Simple use does not require any additional knowledge

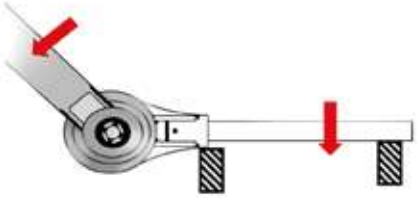
Usage:
› building construction
› agricultural equipment
› heavy industry
› larger construction machinery
› shipbuilding industry
› aircraft industry
› train compositions
› refineries

Important!
› The use of Unior IMPACT sockets is recommended.
› We shall never exceed the requested torque starting point of the multiplier.



SKU	⬡	■	Nm	Nm	⇩⇩	D	A	C	H	
616804	1/2" (32mm)	3/4"	1300	960	5 : 1	108	126	210	180	7000
616805	3/4" (36mm)	1"	2700	2000	5 : 1	108	128	210	186	7000



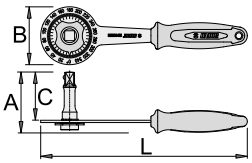


2213/2BI

Angle gauge

› this is used for screws on the heads of motors where car manufacturers prescribe that, as well as fastening the screws to the prescribed torque, fastening at a certain angle is also required
› if your space is limited, you can also use an extension to obtain the required height
› the scale is 360°, divided into 2° angles

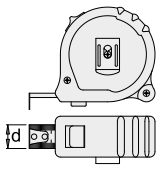
How to use the tool:
› hold the angle scale by its small handle to avoid rotation during screw joining, set the indicator to zero and then fasten the screw at the prescribed angle with another tool from the 1/2" product range (e.g. a hinge handle which is longer, because the forces are considerable)



SKU	L	B	A	C	
622815	270	75	80	63	428

710P

Measuring tape



› plastic double component casing
› with stop and clip
› preciseness to class II
› metal measuring tape

CE CII

SKU	m	d	
612131	2	16	108
612132	3	16	131
612133	5	19	221
612134	8	25	450
612135	10	25	506

710R

Measuring tape

- plastic double component casing
- with stop and clip
- preciseness to class II
- metal measuring tape

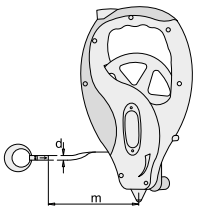
CE CII

SKU	m	ft	d	
612789	2	0	16	89
612790	3	0	16	108
612791	5	0	19	187
612792	8	0	25	348
612793	2	6	16	89
612794	3	10	16	108
612795	5	16	19	182
612796	8	26	25	358

714

Long measuring tape

- plastic double component casing
- acrylic coated steel tape enables long life
- 6 times speed of tape rewind against handle turns

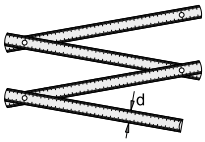


SKU	m	d	
621525	50	13	1100

710W

Folding rule

- material: beech wood
- mm - graduation printed in both sides
- preciseness to class III



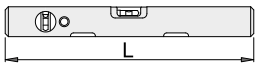
CIII

SKU	m	d	
609365	2	16	125

1250

Alu - spirit level

- quality aluminium profile, dimension 48x22mm
- silver eloxated
- fitted with shock-proof plexiglass vials
- accurate to 0.5 mm/m
- accurate electronically tested



SKU	L	
610716	300	220
610717	400	270
610718	500	340
610719	600	380
610720	800	510
610721	1000	600
610722	1200	680
610723	1500	900
610724	2000	1200

1252

Alu - spirit level with magnet

- quality aluminium profile, dimension 48x22mm
- silver eloxated
- fitted with shock-proof plexiglass vials
- accurate to 0.5 mm/m
- accurate electronically tested
- the measuring surface is equipped with two magnets

SKU	L	
610725	400	530
610726	500	580
610727	600	640
610728	800	820
610729	1000	1080

1260/7

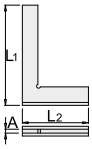
Try square

- material: constructional steel
- measuring faces are finely ground
- accurate: 0,01425° = 0,25mm/m

SKU	L1	L2	A	
610730	125	85	5	140
610731	150	100	5	205
610732	200	130	5	385
610733	250	165	5	500
610734	300	200	5	575

1260/7A

Try square with back

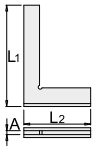


- material: constructional steel
- measuring faces are finely ground
- accurate: 0,01425° = 0,25mm/m
- back are screwed on the short leg

SKU	L1	L2	A	
610736	150	100	5	205
610738	250	165	5	500
610739	300	200	5	575

1262/5A

Mason's squares with back

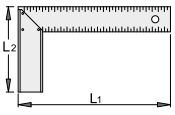


- material: constructional steel
- surface finish: zinc plated
- accurate: +/- 0,0285° = 0,5mm/m
- back are screwed on the short leg

SKU	L1	L2	A	
617154	125	85	5	140
617155	150	100	5	205
617156	200	130	5	385
617157	250	160	5	500
617158	300	175	5	470

1263

Try square

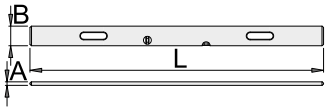


- measuring blade made from hardened spring steel, 40×1,2mm, with mm – graduation
- The support blade made of black anodized aluminium profile, I-form 40×14mm
- Accuracy: 0,5mm/m

SKU	L1	L2	
617693	250	135	205
617694	300	135	225
617695	350	190	300
617696	400	190	315
617697	500	210	370

1272

Aluminium screeding level



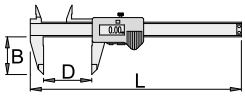
- special aluminium profile
- with two handle and two vials
- used for working front, pavement, roughcast, first of all for easier and accurate work in construction

SKU	L	B	A	
610751	1000	100	18	900
610752	1500	100	18	1350
610753	2000	100	18	1800
610754	2500	100	18	2300
610755	3000	100	18	2700
610756	4000	100	18	3600

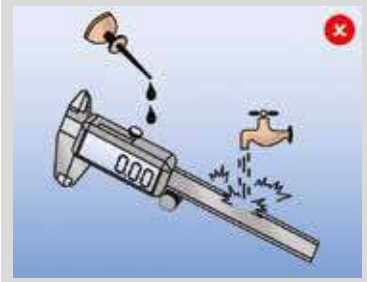
270A

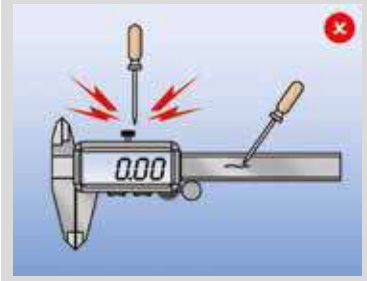
Digital calliper

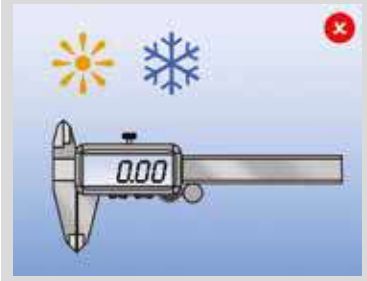
- accuracy: 0,02mm/0,001"
- function: measurement of internal dimensions, of external dimensions, of depth, of steps
- made according to standard DIN 862
- dual scale in inch and mm



SKU	D	B	L	
619881	0 - 150	40	235	460



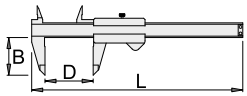




271

Calliper with vernier scale

- accuracy: 0,02mm/0,001"
- function: measurement of internal dimensions, of external dimensions, of depth, of steps
- made according to standard DIN 862
- dual scale in inch and mm

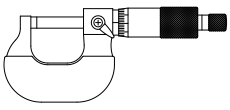


SKU	D	B	L	
612035	0 - 150	40	235	240

272

External micrometre

- made of quality casting. Measuring surface made of hardened alloy
- spindle 6,5mm dia., with locking lever and ratchet
- according to DIN 863
- measuring range 0 - 25mm, minimal reading 0,01mm
- made according to standard DIN 863



SKU	D	
617698	0 - 25	240

701

Feeler gauges

- certificate of conformity
- stainless steels
- made according to standard DIN 2275

SKU			
601896	0.05 - 0.5	8	37
601897	0.05 - 1	13	66
601898	0.05 - 1	20	99

701A

Thread pitch gauge

- certificate of conformity
- stainless steels
- metric-thread: 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.60, 0.70, 0.75, 0.80, 0.90, 1.0, 1.25, 1.50, 1.75, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0 (24 gauges)
- whitworth - thread: 4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62 (28 gauges)
- This screw pitch gauge is used for finding out the outside and inside measurements of metric and whitworth threads.

SKU		
616706	52	76

1279

Scriber

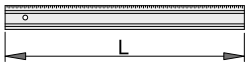
- made from quality steel
- equipped with pocket clip
- with a point made of high-alloyed steel that assures long life of drawing on different hard grounds

SKU	L	
617692	150	34

1280

Flat rule

- made of silver anodized aluminium profile cross section 60 x 5 mm with facet
- with one side mm-graduation



SKU	L	
617704	500	321
617707	1000	641

1290/5

Plumb

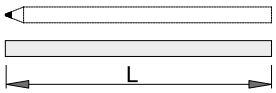
- made from quality steel
- with 4-metre-long string

SKU	
617725	170

1299

Carpenter`s pencil - set 10 pieces

- made from quality wood
- graphite hardness HB



SKU	L	
617724	180	127

BIKE TOOLS

FOR MORE INFORMATION'S CHECK OUT **BIKE CATALOGUE.**

The cycling trend conquering the peaks!

In the last few years, we have witnessed a boom in cycling. Not just at home, but all over the world. This is why Unior cycling tools are one of the fastest growing product lines in Slovenia. Strictly purpose- made tools for bicycle servicing, which have become increasingly advanced and development-oriented over the years, have become an indispensable addition to all cycling workshops, sports shops and racing teams. That is why we at Unior have adapted to the rapidly growing development of the market and the needs dictated by it.

MULTITOOLS

Y WRENCHES

HEX&TORX WRENCHES

GENERAL SHOP TOOLS

PLIERS

TORQUE WRENCHES & ACCESSORIES

BOTTOM BRACKET TOOLS

CRANK SET TOOLS

PEDAL TOOLS

CHAIN TOOLS

CASSETTE & FREEWHEEL TOOLS

BRAKE TOOLS

FRAME AND FORK TOOLS

BEARING TOOLS

SUSPENSION TOOLS

WHEEL TOOLS

TIRE & TUBE TOOLS

WHEEL TRUING STANDS & ACCESSORIES

REPAIR STANDS & ACCESSORIES

BIKE STORAGE

TOOL SETS

COMPLETE SERVICE SOLUTIONS

WORK SHOP A LA CART

UNIOR GEAR

AN EXTENSIVE PRODUCT LINE – including all the tools needed for the assembly, repair, maintenance and storage of bicycles.

SPONSORSHIPS – Unior bicycle servicing tools are an indispensable companion for most racing teams in the cycling world.

TOOLKITS – workshop sets offer a complete set of tools necessary for bicycle servicing, and the ones that come in a carry case offer a complete mobile workshop.

MOTORCYCLE TOOLS

Complete freedom for motorcyclists!

Our motorcycle tools are 100% Unior's own development, in collaboration with experts from the motorcycle industry. With their knowledge and development, competition teams and their professionally trained mechanics have contributed to the upgrading and development of our tools for motorcyclists. Whether it's road bikes or motocross bikes. This product line will certainly bloom in the future, and the breakthrough of electrification in the motor industry will also require and upgrading and the new development of additional tools.

- **AN EXTENSIVE PRODUCT LINE –** including all the tools needed for the assembly, repair, maintenance and storage of motorcycles.
- **100% OUR OWN DEVELOPMENT –** in collaboration with motocross experts.
- **SPONSORSHIPS –** Unior motorcycle service tools are an indispensable companion for racing teams around the world.
- **TOOLKITS –** tool sets, together with workshop equipment, provide everything necessary for motorcycle servicing, and the sets that come in a carry case offer a complete mobile workshop.

Premium +

Premium Plus carbon steel

For optimal grip and cutting strength

Steel with a medium carbon content is particularly suitable for pliers due to its incorporation of selected alloyed elements. Together with the hardness achieved through inductive tempering, this material property allows for extraordinary clamping strength. Pliers made of various improved steels have a suitable hardness and higher tensile strength, due to their higher carbon content. Manganese also contributes towards improvement, as it increases the ductility of the material. Silicon was used to improve the elasticity of the material, while chrome reduces its susceptibility to cracking.

Alloyed tool steel C45E, in accordance with EU Directive 2000/53/EC and the EN 10083- 1 standards:

- 0,45% carbon for higher tensile strength and ductility
- 0,70% manganese for higher tensile strength and ductility
- 0.30% silicon for higher elasticity
- 0,30% chrome for lower susceptibility to cracking and higher tensile strenght

ENGINE	**276 - 277**
TOOLS FOR DRIVE	**278 - 279**
WHEELS AND SUSPENSION	**280**
AXLE AND BEARING	**281**
ACCESSORIES FOR SERVICE AND GARAGE	**281**
MULTIFUNCTIONAL TOOLS	**283 - 284**

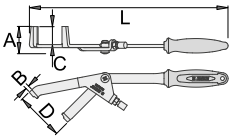
3050/2BI

Clutch and gear wheel holding tools

› material: premium plus carbon steel
› surface finish: chrome plated to standard ISO 1456:2009
› ergonomic heavy duty double component handle

Advantages:
› Its wedge-shaped gripping shanks provide grip between teeth while preventing them from being damaged.
› The tool also includes a screw, which enables the tool to be fixed in a certain position and, consequently, a firm grip.

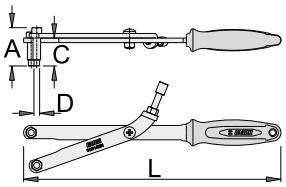
Usage:
› The tool is designed for holding the clutch, gears and the cam shaft when tightening gears in the range up to 130mm during assembly and disassembly.
› all types of motorbikes



SKU	D¦	Dī	C	B	A	L	
620261	40	130	48	6	412	390	637

3051/2BI

Rotor and sprocket holding tools



› material: premium plus carbon steel
› surface finish: chrome plated to standard ISO 1456:2009
› ergonomic heavy duty double component handle

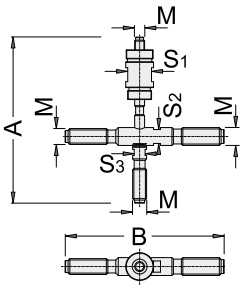
Advantages:
› Due to its universal structure, it allows holding holes with a diameter of 5 or 9 mm and at a distance between 20 to 180 mm.
› The tool also has a screw that enables fixing of the tool at the actual distance between holes on the magnet or the sprocket.

Usage:
› The tool is designed for holding the magnet and the sprocket during assembly or disassembly.
› all types of motorbikes

SKU	D¦	Dī	D1	D2	L	B	
620262	20	180	4.4	7.2	340	32	604

3055/4A

Flywheel puller with external thread



› material: premium plus carbon steel
› surface finish: blacken to standard DIN 50938
› treads M10, M14, M16, M18, M24 are right hand, M27 are left hand

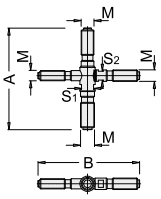
Advantages:
› The tool has 6 different sizes of external thread, thus enabling coverage of the majority of motor types that have a flywheel with an internal thread.
› allows flywheel removal without pulling motor from hull
› On each axis, there is an attachment for an open-end wrench that makes the removal of the magnet easier.

Usage:
› for removal of the flywheel with internal thread

SKU	M	M1	M2	M3	M4	M5	S1	S2	S3	A	B	
620278	M10 x 1	M14 x 1,5	M16 x 1,5	M18 x 1,5	M24 x 1	M27 x 1	24	14	11	168	160	531

3055/4B

Flywheel puller with external thread



- material: premium plus carbon steel
- surface finish: blacken to standard DIN 50938
- all treads are right hand

Advantages:
- The tool has 4 different sizes of external thread, thus enabling coverage of the majority of motor types that have a flywheel with an internal thread.
- allows flywheel removal without pulling motor from hull
- On each axis, there is an attachment for an open-end wrench that makes the removal of the magnet easier.

Usage:
- for removal of the flywheel with internal thread

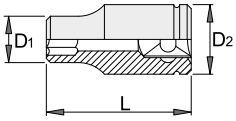
SKU	M	M1	M2	M3	S1	S2	A	B	
620279	M16x1,5	M18x1,5	M20x1,5	M22x1,5	19	14	161	161	630

3056/2

Socket 1/2" with thin wall, 6 point

- material: premium flex chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009
- intended for use where there is not enough place for working with standard socket wrenches

Important!
- will not withstand torque according to DIN standard for standard socket wrenches

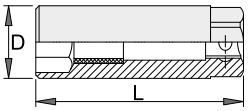


SKU		L	D1	D2	
620280	3/4"	38,5	23,9	23,9	61
620281	5/8"	38,5	21,5	22,5	59
620282	19	38,5	23,9	23,9	60

3058/2

Spark plug socket 3/8" with thin wall, 6 point

- material: premium chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009
- drop forged, entirely hardened and tempered
- intended for use where there is not enough space for working with standard wrenches for replacing spark plugs
- inside the socket inserted rubber ring for holding spark plug



SKU		D	L		
623215	16	20,9	65	19	80
623216	18	22,3	65	22	92
623217	21	25,6	65	19	111

3059

Valve seal removal set for motorbikes

- material: premium plus carbon steel, polyethylene
- surface finish: chrome plated according to ISO 1456:2009
- Dimension of box: 321 x 198 x 54

Advantages:
- enables the removal of valve seals without removing the head of the motor
- accessories for assembling pins from fi 5mm to fi 9 mm
- the accessories cover the following dimensions of spark plugs M10x1, M12x1.25, M14x1.25 and M18x1.5
- accessories for removing pins diameter fi 8mm, fi 13 mm and fi 16 mm
- accessories for assembling seals fi 12 and fi 14mm

Usage:
- The individual piston is set into a lower position. In the place of the spark plug, an attachment for the pressure pipe is connected; the cylinder is filled with compressed air, which enables the valves to stay in the upper position.
- Find an appropriate attachment for pulling the pin, set it onto the cover of the spring, straighten the magnets with pins and press the springs by pushing with your hand.
- This enables the pins to be removed from the groove of the valve.
- Remove the cover and the springs.
- Take the valve seal removal pliers art. 2201/2BI, pull out the seals, take the accessories for assembling the seals, place the new seals.
- Place back the springs and the cover; place the pins and use the accessories for assembling the pins to compress the springs by hand, which enables the placement of the pins back onto the valve.
- Repeat the same procedure on all other valves, then remove the accessories for the pressure pipe and repeat the procedure on the next cylinder

SKU	
623219	2100

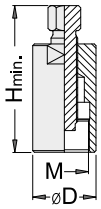
3054/4

Flywheel puller with internal thread

› material: premium plus carbon steel
› surface finish: blacken to standard DIN 50938

Advantages:
› allows flywheel removal on the motorcycle
› On the puller, there is an attachment for an open-end wrench, which should be hold the magnet

Usage:
› for removal of flywheels with external thread



SKU	⟼	D	H1	
620270	M24 x 1,5	32	80	332
620271	M26 x 1	34	80	353
620272	M28 x 1	36	80	385
620273	M30 x 1	38	80	417
620274	M30 x 1,5	38	80	432
620275	M35 x 1,5	45	90	666
620276	M38 x 1,5	48	105	880
620277	M50 x 1,5	60	105	1254

3054.1/4

Crankshaft protector cap

› material: premium plus carbon steel
› surface finish: blacken to standard DIN 50938
› M12x1,25 (it is part of puller M24x1,5)
› D12mm (it is part of puller M26x1)
› M14x1,25 (it is part of puller M28x1)
› M16x1,5 (it is part of puller M38x1,5)

Advantages:
› enables protection of the drive shaft by pulling flywheel

Usage:
› The protector caps are screwed onto the motor's crankshaft and protect the crankshaft when the magnet is being removed. The protector caps are used when relatively small nuts are used to secure the magnet to the crankshaft. It is especially important to use the protector caps on engines where the lubrication system for lubricating the end bearings runs through the centre of the crankshaft (hollow crankshafts).

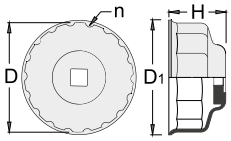
SKU	⟼	3054/4	
624225	M12 x 1,25	M24 x 1,5	37
624226	D 12	M26 x 1	39
624227	M14 x 1,25	M28 x 1	33
624228	M16 x 1,5	M38 x 1,5	55

1977/6

Oil-filter wrench

› material: premium chrome vanadium steel
› coated with electro-black oxide finish for rust protection
› lacquered
› for assembling or disassembling oil filters
› for oil filters in restricted access area
› used with ratchet 3/8" and proper extension bar

How to use the tool:
› This tool comes in as many as 12 sizes, which can be used on the majority of standard car and motorcycle oil filters on the market. Using it is simple as all that is needed is to place the appropriate tool on the filter and rotate it with ease. The tool can also be used when fitting oil filters as the design and material have been carefully selected so that the tool can withstand the maximum force applied to it. Because of the surface protection, the tool is highly resistant to scratches and damage as well as to atmospheric and chemical effects.



SKU	D	360°/n	D1	H	
620949	27	6	37.5	33.5	68
620950	32	6	43.5	34.6	81
620951	36	6	48.4	34.9	89
620267	68	14			130
620268	73	14			152
619260	74	15	81	36	146
620269	76	8			141
619262	76	12	82	35	137
619264	86	18	92	39.5	171

3200/2BI

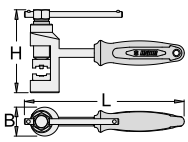
Chain breaker, press and riveting tool for motorbike

- material: premium flex plus carbon steel
- surface finish: chrome plated to standard ISO 1456:2009
- ergonomic heavy duty double component handle
- Dimension of box: 321 x 198 x 54

Usage:
- for DID chains with graduation 520, 525, 530 and 532
- for Regina chains with graduation 520, 525, 530
- for RK chains with graduation 520, 525, 530 and 532
- compatible with most motorcycle drive chains

Disassembling the chain:
- a robust set for disassembling a chain without any prior grinding of the pin
- select the appropriate pin (diameter Ø3, Ø3,5 or Ø5 mm) and lower guide (Ø4 Ø5 or Ø6 mm) corresponding to the pin diameter on the chain
- insert the pin into the tool, then position the tool on the chain link and rotate the tool until the chain pin falls out

Assembling the chain:
- assemble the chain according to the manufacturer's instructions
- select an appropriate set of pressing adaptors depending on the size of the plates (guide widths to 13.5 mm or 16 mm)
- position the set into the tool. Place the tool on the connecting chain link and press the link by rotating the riveting tool using the handle until the plates and the chain are tightly connected
- after the chain link and the plates have been successfully aligned, install the chain pin
- You can choose from 3 types of riveting pins (type A, B or C)
- place the riveting set into the tool and rotate the handle to cause a deformation of the head of the pin, so the diameter is between 5.5 to 5.8 mm as recommend the chain manufacturer's instructions



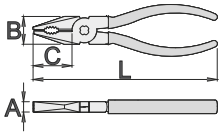
SKU	B	H	L	
623220	40	115	270	2490

3202/1P

Master link clip pliers for motorcycle chain

- The pliers enable assembly and disassembly of the connecting link clip on the motorcycle's chain.
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard ISO 1456:2009
- handles plastic dipped

Advantages:
- Specially designed groove enables easy positioning and prevents the pliers from slipping off the chain's pin.
- The jaw is shortened for easier assembly or disassembly of the clip.



SKU	L	B	A	
628803	180	27	10	221

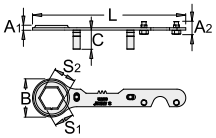
3057/2

Variator and clutch drive holder tool with ring wrench

- material: premium plus carbon steel
- surface finish: chrome plated to standard ISO 1456:2009

Advantages:
- comes with 3 different lengths of accessories that cover several types of drives

Usage:
- for scooters PIAGGIO, GILERA 50-125ccm; water- and air-cooled
- has a triple function
- it is used as a block for the gear on the starter when untightening the front part of the drive
- accessories for holding the pot on the back part of the drive for untightening the nut
- wrench for untightening the inside nut of the back part of the drive



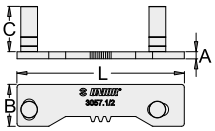
SKU	TA	A2	MB	C	S1	S2	L	
623187		22	80	32,5	34	38	262	319

3057.1/2

Universal variation holder tool

› material: premium plus carbon steel
› surface finish: chrome plated to standard ISO 1456:2009

Usage:
› it is used as a block for the gear on the starter when untightening the front part of the drive
› for scooters PIAGGIO, GILERA 50-125ccm; water- and air-cooled



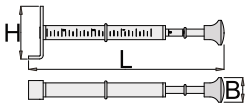
SKU	MA	MB	C	L	
623188	220	80	32,5	120	150

3201/2

Tool for controlling cam belt tension for motorcycle

› material: premium plus carbon steel
› surface finish: chrome plated according to ISO 1456:2009

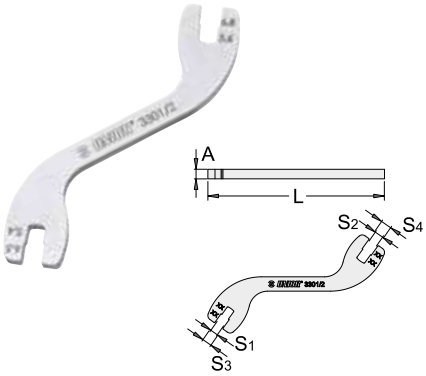
Usage:
› it is used for the control of the tension of the drive belts
› Controlling tool is mounted onto the belt. On the marked part of the engine the belt is forced by hand to establish the sag of the belt so that it is in conformance with the pressure force of 45N and with the sag prescribed by motorbike producer.
› used in accordance with the servicing instructions



SKU	A	C	L	
620286	21	40,5	164	100

3301/2

Spoke wrench for motorcycle



› material: premium plus carbon steel
› surface finish: chrome plated according to ISO 1456:2009

Advantages:
› the ergonomic shape of the wrench enables simple access and great strength when tightening and unscrewing

Usage:
› the spoke wrench is used for tightening spoke nipples

SKU	S1	S2	S3	S4	L	A	
620296	5	6	6,3	7	111	6	71
623186	5,4	5,6	6,5	6,8	111	6	71

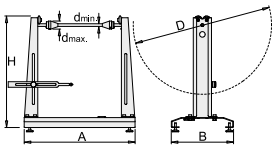
3302/6

Stand for motorcycle wheel alignment

› material: premium plus carbon steel
› lacquered housing, other parts zinc plated
› the stand is intended mainly for use in motorbike repair services and for home users

Advantages:
› the stand has a spirit level for setting in a horizontal position
› it enables radial control of the rim position with a sensor
› The geometry of the callipers enables a simultaneous axial control for accurate truing of the rim.
› The stand enables fixing of cones to the axis that enable the centring of the wheel on its own bearings, thus preventing the possibility of centring errors.
› it has two positions for setting columns regarding the width of the hub
› the rotation of the axis on external bearings enables centring on the standard method

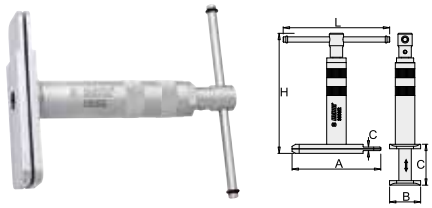
Usage:
› Wheels with dimensions to max 32 inches can be centered.
› for axis dimensions of 12 to 36 mm



SKU	D	MIN dia.	MAX dia	A	B	H	
620297	32"	12	36	500	280	525	9600

3303/2

Disc spreader for motorcycle



› material: premium plus carbon steel
› surface finish: chrome plated to standard ISO 1456:2009

Usage:
› The tool is used for compressing brake pistons when replacing brake pads. The tool is useful for compressing single, double and triple brake pistons The tool enables quick and easy pressing of brake pistons back into the housing without additional damage to the piston or the housing.

Important!
› For compressing double or triple brake pistons, we leave the used brake pads in the brake housing. This will prevent one of the pistons being pushed from the housing.
› after compressing replace the worn out brake pads with the new one

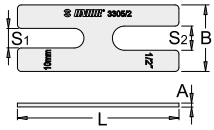
SKU	L	A	B	C¦	Cī	
620298	120	100	35	4	45	507

3305/2

Holding tool for cartridge rod of shock absorbers for motorbikes

› material: premium plus carbon steel
› surface finish: chrome plated according to ISO 1456:2009

Usage:
› Tool is used when replacing bushings, seals and oil of front shock absorbers.
› The tool is inserted between the housing and the nut and keeps us at the top of the shock absorber by assembling and disassembling.



SKU	A	MB	L	S1	S2	
623246	2	80	85	10,3	12,7	34

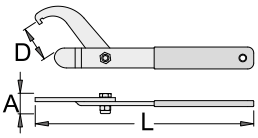
3401/2P

Flexible hook wrench for motorbikes

› material: premium plus carbon steel
› surface finish: chrome plated according to ISO 1456:2009
› plastic dipped handle

Advantages:
› the slim version of the wrench enables the setting of slim toothed nuts

Usage:
› for operate setting the telescopes of motorbikes and scooters
› from diameter 32 till 60 mm



SKU	A	D¦	Dī	L	
620413	20	32	60	220	186

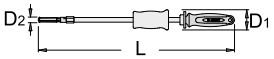
689/2BI

Inner bearing puller

› material: premium chrome vanadium steel
› drop forged, entirely hardened and tempered
› surface finish: chrome plated according to ISO 1456:2009
› ergonomic heavy duty double component handle

Advantages:
› Set includes 6 pcs of arm for inner bearing dimensions 6.5-8,10-12, 12-15, 17-20, 22-28, 30-36

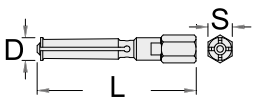
Usage:
› It is used for pulling different types of bearings. The bearing is gripped from the inside side and pulled out.
› the bearing is extract with a 1 kg weight



SKU	D1	D2¦	D2ī	L¦	Lī	
622587	52	6,5	36	495	555	3300

689.1/4

Arm for 689/2BI



SKU	D"	L	S	
623089	6,5 - 8	81	14	38
623090	10 - 12	83	14	53
623091	12 - 15	92	14	65
623092	17 - 20	102,5	14	125
623093	22 - 28	125	17	269
623094	30 - 36	140	22	525

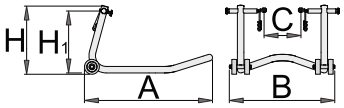
3000/6

Front stand for motorcycle

› material: constructional steel
› coated with eco colour of Qualicoat quality standard
› adaptors are chrome plated according to ISO 1456:2009

Advantages:
› adjustable to the width of the front fork of the motorcycle from 180 to 250mm
› strong construction enables load capacity up to 200kg
› quick-change adaptors and setting stands
› reliable and safe lifting of motorcycle

Usage:
› the stand is used for servicing and garaging motorcycles
› it is suitable for almost all type of motorcycles



SKU	A	B	MC	H	H1	
620259	705	610	375	345	310	5800

3000.1

Adaptor for front stand

› material: constructional steel
› surface finish: chrome plated according to ISO 1456:2009

Advantages:
› quick-change adaptors and setting stands
› reliable mounting into the groove of the motorcycle front fork

Usage:
› for mounting into the groove of the motorcycle front fork
› it is suitable for almost all type of motorcycles
› use together with base 3001.3

SKU	
624325	1400

3001/6A

Rear stand for motorcycle with universal adaptor

› material: constructional steel
› coated with eco colour of Qualicoat quality standard
› adaptors are chrome plated according to ISO 1456:2009

Advantages:
› adjustable to the width of the rear fork of the motorcycle from 270 to 360mm
› adaptors are PVC coated
› strong construction enables load capacity up to 200kg
› quick-change adaptors and setting stands
› reliable and safe lifting of motorcycle

Usage:
› the stand is used for servicing and garaging motorcycles
› it is suitable for almost all type of motorcycles

SKU	
620260	5200

3001/6B

Rear stand for motorcycle with V adaptor

› material: constructional steel
› coated with eco colour of Qualicoat quality standard
› adaptors are chrome plated according to ISO 1456:2009

Advantages:
› adjustable to the width of the rear fork of the motorcycle from 270 to 360mm
› strong construction enables load capacity up to 200kg
› quick-change adaptors and setting stands
› reliable and safe lifting of motorcycle

Usage:
› the stand is used for servicing and garaging motorcycles
› it is suitable for almost all type of motorcycles

SKU	
624300	4700

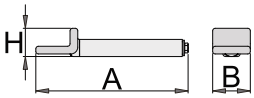
3001.1

Universal adaptor for rear stand

› material: constructional steel
› surface finish: chrome plated according to ISO 1456:2009

Advantages:
› adaptors are PVC coated
› quick-change adaptors and setting stands
› reliable mounting into the groove of the motorcycle front fork

Usage:
› mounting on the rear swinging arm of the motorcycle
› it is suitable for almost all type of motorcycles
› use together with base 3001.3



SKU	A	B	H	
624326	182	44	33	893

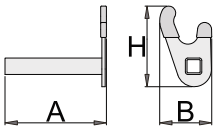
3001.2

V adaptor for rear stand

› material: constructional steel
› surface finish: chrome plated according to ISO 1456:2009

Advantages:
› quick-change adaptors and setting stands
› reliable mounting into the groove of the motorcycle front fork

Usage:
› reliable mounting on side pin of the rear swinging arm of the motorcycle
› it is suitable for almost all type of motorcycles
› use together with base 3001.3



SKU	A	B	H	
624327	124	63	98	440

3001.3

Base for stand 3000/6 and 3001/6

› material: constructional steel
› coated with eco colour of Qualicoat quality standard

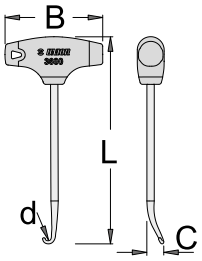
Advantages:
› strong construction enables load capacity up to 200kg
› quick-change adaptors and setting stands
› it`s suitable for use with various adaptors

Usage:
› Use together with adaptors 3000.1, 3001.1 and 3001.2

SKU	
624328	4200

3600/2BI

Spring hook



- material: blade from premium hard chrome vanadium steel
- ergonomic heavy duty double component handle

Usage:

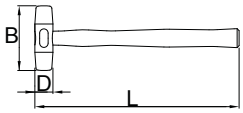
- Tool is used for assembling and disassembling springs (spring for support legs, seat and reservoir, by exhaust systems, as assistance in assembling the chain of the cam shaft, etc)
- all types of motorbikes

SKU	d	C	B	L	
620411	4,2	14	80	170	67

820B

2-in-1 Plastic hammer

- material of heads: cellidor, hardness 60-70 shore D and polyuretan, hardness 45 - 55 shore D
- oil resistant
- grey cast head
- wooden handle, lacquered



SKU	D	L	B	
629302	40	320	112	520

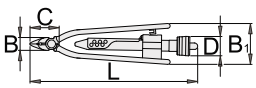
516/4

Safety wire twisting pliers

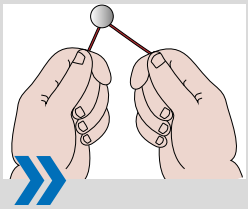
- Safety twist plier is a versatile tool to help you to do reliable safety wiring (lock wiring) rapidly and consistently.
- Safety wiring remains the most positive and assured method of securing critical fasteners that must not be allowed to back out: any tendency of the fastener to loosen is counter acted by tightening of the safety wire.
- twisting and cutting capacity:
- 0.5mm dia stainless wire without heat treated
- 0.8mm (Dia.) soft wire

Usage:

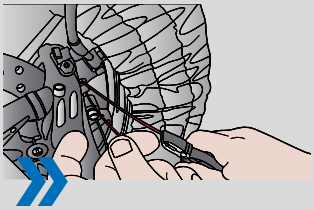
- Twisting of bolts, oil caps, drain cocks, valves and single twist electrical connectors



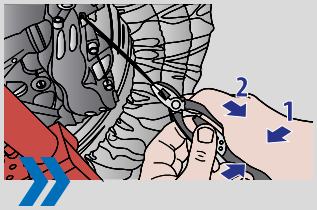
SKU	L	B	B1	C	D	
627530	213	19	49	40	24	250



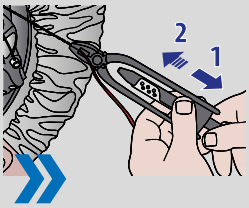
Thread the safety wire through your fastener(s) in the appropriate manner. You will now have two ends of the wire ready to twist.



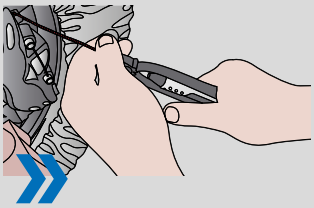
Use the safety wire twisting pliers to grip the two wires at an appropriate distance from the fastener. The length of wires between the pliers and the fastener will be twisted in the following step.



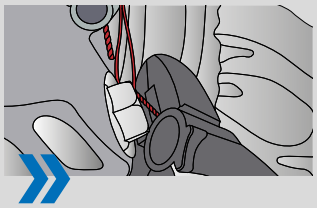
Slide the central chromed locking sleeve to lock the plier handles together, clamping the wire ends.



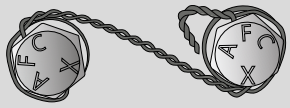
Let go of the plier handles and pull the chrome handle at the base of the pliers to rotate the pliers and twist the wire in a clockwise direction.



You may need to pull this handle more than once to achieve the required number of twists. Generally around 7 twists per inch is recommended.



Squeeze the plier handles to release the chromed locking slider, and then use the integrated wire cutter to trim the wires to length.



3700MX PROKIT

MX Pro Kit tool set

- MX Pro Kit tool case is real world designed and tested by the professional`s on the toughest off-road trails around the world.
- Well thought out, extremely durable tool pallets organize and hold your tools in place. Pockets are designed with the size of our tools in mind. It also features extra space on the bottom leaving you room to personalize your kit.
- After designing the tool case for Pro Kit, we sat down with team mechanics and carefully selected a set of tools that demanding MX mechanic will appreciate. We picked 107 pieces of our tools that are a perfect fit for a portable set, shop or home.
- The set contains a wide range of tools for servicing MX motorcycles in the field.
- The toolbox is designed especially use in the field; it's made of heavy duty plastic and is waterproof and dustproof.
- Flaps in the lid can be closed tightly with the Velcro straps; when closed, they also secure the tools in place. The biggest pockets can take our combinations and socket T-handle wrenches. A special small pockets can securely hold the screwdriversand other tools, so nothing ever gets lost.
- basic dimensions of case L 555 x W 428 x H 211mm
- inner dimensions of case L 500 x W 350 x H 194mm
- total volume of case: 33,95 litres
- Additional SOS foam tray for tools storage (dimensions 470 mm × 170 mm) at the bottom of the case.

Advantages:

- All together 35 pockets
- The pockets are sewed together with durable nylon thread
- Waterproof and dustproof in accordance with IP67 certificate
- Watertight seal around lid
- Automatic pressure release valve
- Easy to open/close double throw latches
- Load tested soft grip handle
- Robust case from heavy-duty composite
- Corrosion free nylon pins
- Option to lock the case with a padlock (not included)
- Aluminum divider at the bottom of the tool case to keep your tools organized
- Flaps neatly close into the lid of the tool case

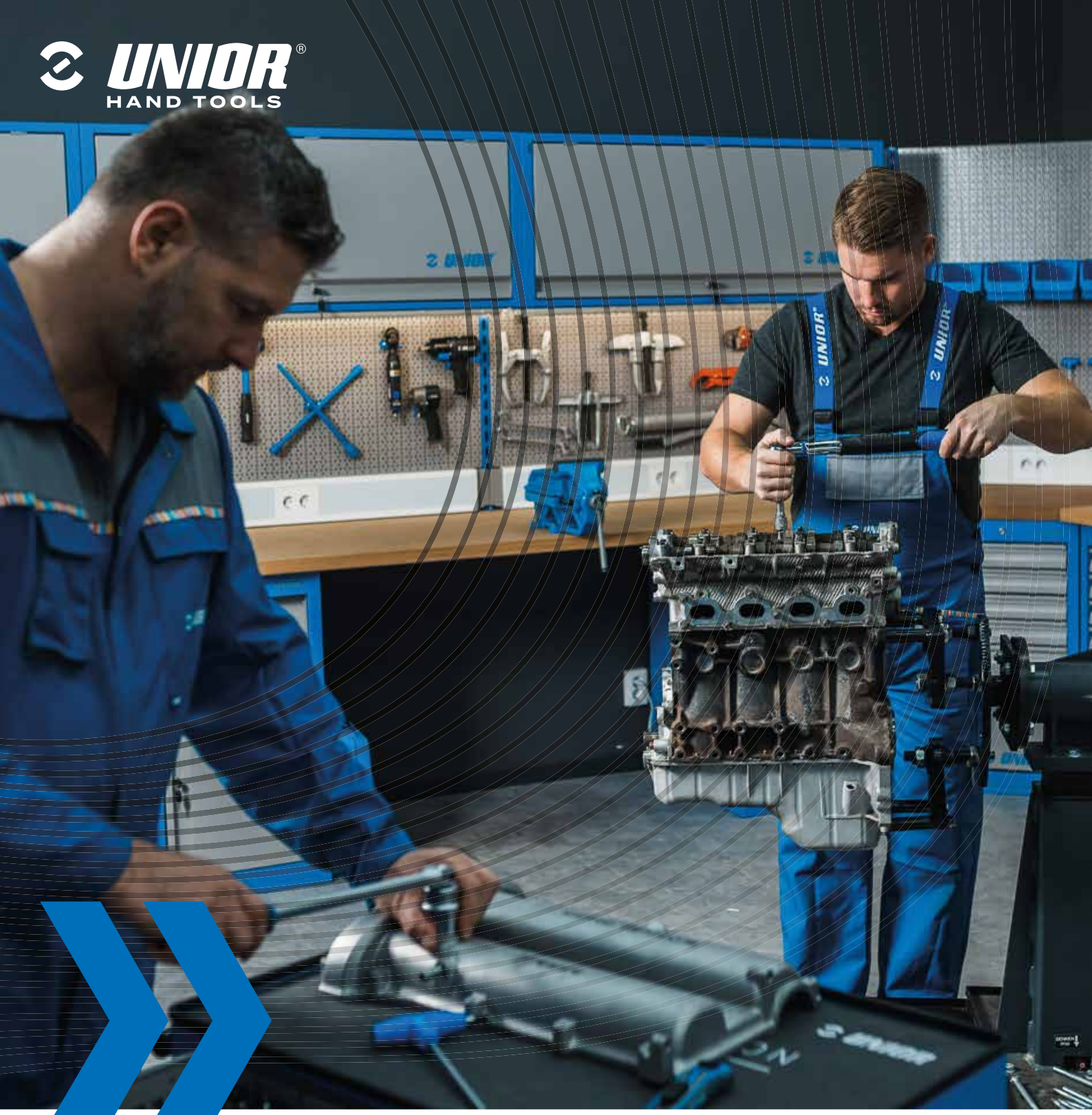
SKU	
628977	99

125/1 (6, 8, 10, 12, 13, 14, 16, 17, 19, 21, 22, 27, 30, 32), **186.4/2A** (14), **188.1/1ABI** (1/4"x157), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.6/2** (1/4"), **188/2 6P** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13, 12, 14), **190.1/1ABI** (1/2"x260), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **190.7/2** (1/2"x3/8"), **190/1 6P** (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32), **192/2HX** (6, 7, 8, 10, 12, 14, 17), **193N** (6, 8, 10), **193TX** (TX 15, TX 20, TX 25, TX 30), **192/2TXL** (TX 45), **220/3SLPH**, **220/7TXPH**, **300/2** (500 (3x)), **461/1BI** (140), **449/1PYTHON** (240), **506/1BI** (140), **516/4** (213), **556A** (160x18), **605TBI** (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x100, 1.2 x 8.0x175), **615TBI** (PH 1x80, PH 2x100), **710R** (2m), **820A** (22), **2042/2** (115), **3301/2** (5x6x6,3x7, 5,4x5,6x6,5x6,8), **3202/1P**, **3600/2BI** (4,2)

MX PRO KIT

3700MX PROKIT

UNIOR® HAND TOOLS



OTHER WORKSHOP TOOLS

The workshop accessories set has been built up over Unior's 100 years of development history. In this sector there are other tools, so called gadgets or support tools, which ensure uninterrupted work in workshops and elsewhere.

- **COMPLETENESS –** other workshop tools make an indispensable complement to other tool categories.
- **VARIETY –** other workshop tools are represented by vices, clamps, saws, files, knives, cutting and grinding plates and many other tools.
- **PURPOSEFULNESS AND UNIVERSALITY –** many tools for other types of workshop equipment are purpose-made for specific tasks, but many are intended for general use and are indispensable in everyday life.

Premium Flex +

Premium Flex Plus carbon steel

Efficiency and durability under considerable crushing and deformation stress

Construction and trade steels have special properties that guarantee their appropriate hardness, ductility and elasticity, as is required for tools such as setters, hammers and screw clamps, which are exposed to great force during hammering and clamping. Steels with a medium carbon content that are used to make tools have a higher carbon content, resulting in better durability. A suitable manganese content increases the tensile strength and ductility of the material, which is particularly important under high load conditions. The chrome content reduces the susceptibility to cracking, while the silicon content increases the elasticity of tool materials subjected to strong forces.

Medium carbon steel C45R, according to EU directive 2000/53/EC and the EN 10083-2 standards:

- 0,45% carbon for higher tensile strength and better tempering
- 0,70% manganese for higher tensile strength and ductility
- 0,35% chrome for higher tensile strength and lower susceptibility to cracking
- 0,20% silicon for higher elas

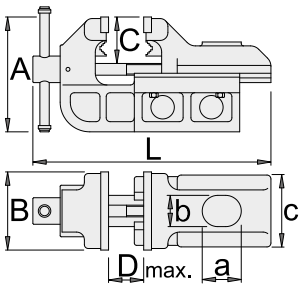
VICES	**288 - 289**
CLAMPS	**289**
SAWS	**290**
PLUMBING TOOLS	**291**
FILES	**292 - 294**
SCRAPERS	**295**
THREADING TOOLS	**295**
CUTTING WHEELS	**295**
LEVERS	**296**
UNIVERSAL KNIFES	**296 - 297**
SPECIAL TOOLS	**297**
TWEEZERS	**298**
AWLS	**298 - 299**
AUTOMOTIVE TOOLS	**300 - 306**

WHEN USING ANY TOOL, PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

721/6

IRONGATOR engineer's vice

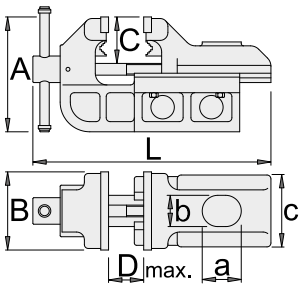


- housing from grey iron casting
- drop forged jaws from tool carbon steel, hardened and tempered
- lacquered housing, jaws anticorrosive oiled, other parts zinc plated
- spindle protected against damage
- uniPRO slides ensure precise running of moving parts
- engineer's vice can be combined with swivel base

SKU	B	Li	L	D	H1	a	b	H	L1	B1	
621564	80	100	215	11 - 35	46	42	28	113	70.4	48	3500
621481	125	160	336	17 - 62	73	66	44	176	110	75	14400
621567	150	190	400	20 - 66	88	80	53	211	132	90	24200
621570	200	220	461	24 - 80	103	93	62	265	154	105	37800

721Q/6

Quick IRONGATOR engineer's vice with quick moving system

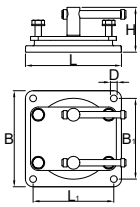


- housing from grey iron casting
- drop forged jaws from tool carbon steel, hardened and tempered
- lacquered housing, jaws anticorrosive oiled, other parts zinc plated
- uniPRO slides ensure precise running of moving parts
- engineer's vice can be combined with swivel base
- quick moving system

SKU	B	Li	L	D	H1	a	b	H	L1	B1	
621482	125	120	336	17 - 62	95	66	44	176	132	90	14500
621568	150	140	400	20 - 75	117	80	53	211	154	105	23500

721.1/6

Swivel base for 721/6 and 721Q/6



› base plate from grey iron casting
› material other parts: special tool steel
› swivel base can be rotated for 360°

SKU	⟷		L	B	H	B1	L1	D
621566	80	2570	96	96	47	81	81	6.5
621483	125	2590	149.9	149.9	70	126	126	10.5
621569	150	5190	190	190	87.5	160	160	13
621572	200	6600	210	210	93.5	176	176	13

722.1/7

Spare jaw for 721/6 and 721Q/6

› material: premium plus carbon steel
› drop forged, entirely hardened and tempered
› set 2 pieces

SKU	B	
623083	80	138
619020	125	378
619021	150	1030
619023	200	1365

722.1AL

Spare aluminium jaws for 721/6 and 721Q/6

› material: aluminium
› set 2 pieces

SKU	B	
623084	80	60
619026	125	156
619027	150	400
619029	200	541

706

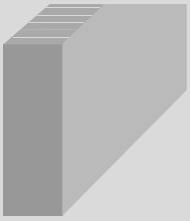
Heavy duty clamp

› material: premium flex plus carbon steel
› entirely hardened and tempered
› wooden handle, lacquered

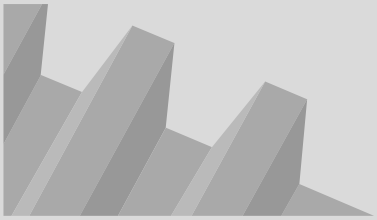
Advantages:
› integrated brake prevents uncontrolled sliding
› maximum clamping force 6000N
› sliding profile serrated
› swiveling cup

Usage:
› for use in carpentry, welding and assebling

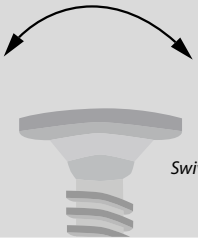
Sliding jaw with multiple positioning choices.



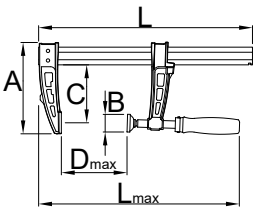
High resistance rectangular steel profiled rail, calibrated and serrated. Surface finish: jaws lacquered, rail zinc plated.



Screw with trapezoidal thread: "Less efforts-more clamping force".



Swivel foot

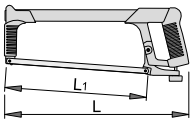


SKU	⟷	D1	L	L1	A	C	B	
626283	200	200	323	465	181	136	34	1750
626284	300	300	423	565	181	136	34	1870
626285	400	400	523	665	181	136	34	2090
626286	500	500	623	765	181	136	34	2310
626287	600	600	723	865	181	136	34	2530
626288	1000	1000	1123	1265	181	136	34	3410

750B

Hacksaw

- light compact with ergonomically designed handle
- frame chrome plated, handle lacquered
- two blade position



SKU	L	L1	
621531	400	300	731

750.1B

Spare blade for 750B, 2 pcs set

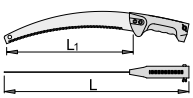
- material: HSS, Bi-metal
- 24 teeth/1"
- length 300 mm

SKU			
621532	300	2	40

752

Pruning saw

- material: premium flex plus carbon steel
- handle polystyrene

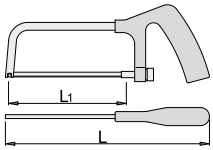


SKU	L1	L	
609424	330	497	270

753P

Saw

- plastic handle
- replaceable blade

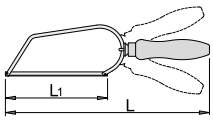


SKU	L1	L	
612164	150	260	192

753W

Saw

- wooden handle
- adjustable handle
- replaceable blade

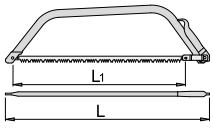


SKU	L1	L	
612163	150	305	127

755

Bow saw

- material: blade from premium plus carbon steel
- handle: sheet metal



SKU	L1	L"	L	
612236	610	24"	700	580
609407	762	30"	850	750

755.1

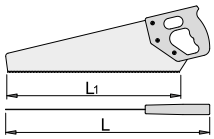
Spare blade for 755

SKU	L1	L1"	
612237	610	24"	50
609409	762	30"	78

757

Hand saw

- material: premium flex plus carbon steel
- handle polystyrene



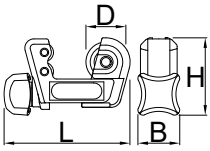
SKU	L1	L	
609423	400	493	408

358/6A

Tube cutter

- instant wheel change
- ergonomic knob
- extra reduced radius spin
- steel threaded insert for longer life span

Usage:
- for cutting cooper, aluminium, inox and steel tube of maximum thickness till 2mm



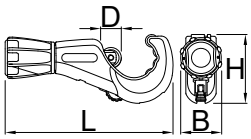
SKU	⌀	"	B	D	H	L1	
626181	3 - 16	1/8" - 5/8"	27	19.8	34.4	62.5	104

360/6A

Tube cutter

- Designed to be an easy to use and effective way of cutting tubes. Simply place the cutter and engage the cutting wheel at your desired position, rotate tool around the tube while adjusting the cutting wheel using the ergonomic knob.
- instant wheel change
- ergonomic knob
- 4 rollers for a better fastening of the tube and smooth operation
- spare cutting wheel in handle
- possible individual use of burr NOGA removal tool
- steel threaded insert for longer life span

Usage:
- for cutting cooper, aluminium, inox and steel tube of maximum thickness till 2mm



SKU	⌀	"	B	D	H	L	kg
626187	3 - 35	1/8" - 1.3/8"	41.4	19.8	65.8	160.6	340

Instant wheel change.

Spare cutting wheel in handle.

Steel thread insert for longer life span.

4 rollers for a better fastening of the tube and smooth operation.

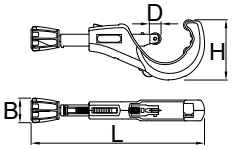
Possible individual use of burr NOGA removal tool.

360/6B

Tube cutter

- instant wheel change
- ergonomic knob
- 4 rollers for a better fastening of the tube and smooth operation
- spare cutting wheel in handle
- possible individual use of burr NOGA removal tool
- quick-release system

Usage:
- for cutting cooper, aluminium, inox and steel tube of maximum thickness till 2mm



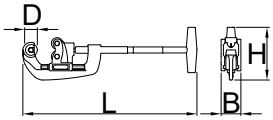
SKU	⌀	"	B	D	H	L	l	kg
626188	6 - 76	1/4" - 3"	41.4	19.8	1018	245	334	890

361/6A

Tube cutter

- body drop forged
- instant wheel change

Usage:
- for cutting cooper, aluminium, inox and steel tube of maximum thickness till 2mm



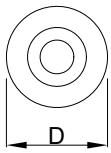
SKU	⌀	"	B	D	H	L	l	kg
626190	10 - 60	1/8" - 2"	48.3	30.8	102.8	388	456	2187

Body drop forged.

Instant wheel change.

358.1/7A

Cutting wheel

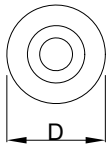


- for articles 358/6A, 360/6A and 360/6B

SKU	⟷	kg
626191	19,8 x 6,2	6

361.1/7A

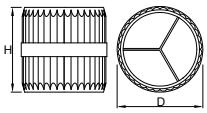
Cutting wheel



SKU	⟷	kg
626193	30,8 x 19	26

363A

Internal - external reamer



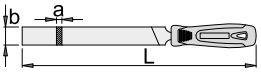
- Create a professional and burr free finish on cut tubes. After cutting, simply place the reamer over the tube end and twist until burrs are removed.
- removes burrs on interior and exterior tube edges
- plastic housing with ribbed surface for grip
- cutting blades from special tool steel, oil hardened

SKU		D	H	
626249	3 - 42	50	49.5	35

760H1/2S

Flat file with handle, half smooth

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

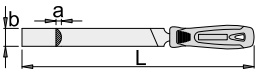


SKU		L	axb	
619295	100	220	2.5 x 12	95
619296	150	270	4 x 16	104
612995	200	325	5 x 20	245
612996	250	375	6 x 25	355
612997	300	425	6,5 x 30	545

761HB

Half-round file with handle, bastard

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

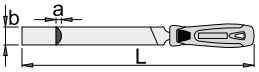


SKU		L	axb	
619303	100	220	3 x 11,5	106
619304	150	270	4,5 x 16	140
613002	200	325	5,5 x 20	203
613003	250	375	7 x 25	324
613004	300	425	8,5 x 30	490

761H1/2S

Half-round file with handle, half smooth

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

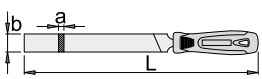


SKU		L	axb	
619307	100	220	3 x 11,5	106
619308	150	270	4,5 x 16	140
613005	200	325	5,5 x 20	203
613006	250	375	7 x 25	324
613007	300	425	8,5 x 30	490

760HB

Flat file with handle, bastard

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

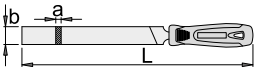


SKU		L	axb	
619292	150	270	4 x 16	104
612992	200	325	5 x 20	245
612993	250	375	6,5 x 25	355
612994	300	425	6,5 x 30	500

760HS

Flat file with handle, smooth

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

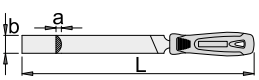


SKU		L	axb	
619299	100	220	2.5 x 12	56
619300	150	270	4 x 16	104
612998	200	325	5 x 20	245
612999	250	375	6,5 x 25	355
613001	300	425	6,5 x 30	545

761HS

Half-round file with handle, smooth

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole



SKU		L	axb	
619311	100	220	3 x 11,5	106
619312	150	270	4,5 x 16	140
613008	200	325	5,5 x 20	203
613009	250	375	7 x 25	324

762/51/2S

Set of files, half smooth in carton box

SKU		
619468	150	5

762/5B

Set of files, bastard in carton box

SKU		
612929	200	5

762/5S

Set of files, smooth in carton box

SKU		
612934	250	5

762/51/2S

Set of files, half smooth in carton box

SKU		
612931	200	5

762/5B

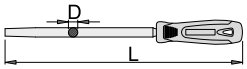
Set of files, bastard in carton box

SKU		
612930	250	5

763HB

Round file with handle, bastard

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole



SKU		L	D	
619316	150	270	6	105
613011	200	325	7,5	157
613012	250	375	8,5	209
613013	300	425	12	317

762/51/2S

Set of files, half smooth in carton box

SKU		
612932	250	5

762/5S

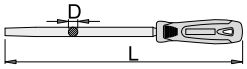
Set of files, smooth in carton box

SKU		
619469	150	5

763H1/2S

Round file with handle, half smooth

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole



SKU		L	D	
619319	100	220	4	80
619320	150	270	6	105
613014	200	325	7,5	157
613015	250	375	9,5	209
613016	300	425	12	317

762/5B

Set of files, bastard in carton box

SKU		
619467	150	5

762/5S

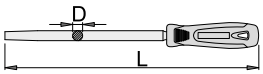
Set of files, smooth in carton box

SKU		
612933	200	5

763HS

Round file with handle, smooth

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

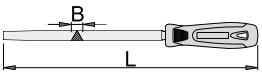


SKU	L	D	
619323	100	220	4	80
619324	150	270	6	105
613017	200	325	7,5	157
613018	250	375	9,5	209

764HB

Three-square file with handle, bastard

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

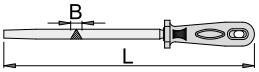


SKU	L	B	
619328	150	270	10,5	133
613020	200	320	14,5	200
613021	250	370	17	332
613022	300	425	19,5	480

764H1/2S

Three-square file with handle, half smooth

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

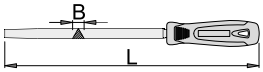


SKU	L	B	
619331	100	220	7,5	94
619332	150	270	10,5	133
613023	200	320	14,5	200
613024	250	370	17	332
613025	300	425	19,5	480

764HS

Three-square file with handle, smooth

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

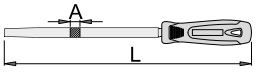


SKU	L	B	
619335	100	220	7,5	94
619336	150	270	10,5	133
613026	200	320	14,5	200
613027	250	370	17	332

765HB

Square file with handle, bastard

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

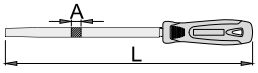


SKU	L	A	
619340	150	270	5,5	106
613029	200	325	8	158
613030	250	370	10	252
613031	300	425	12	400

765H1/2S

Square file with handle, half smooth

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole

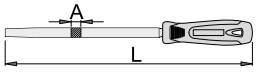


SKU	L	A	
619343	100	220	4	100
619344	150	270	5,5	106
613032	200	320	8	158
613033	250	370	10	252
613034	300	425	12	400

765HS

Square file with handle, smooth

- material: premium hard plus carbon steel
- all files have second cut
- hanging hole



SKU	L	A	
619348	150	270	5,5	106
613035	200	320	8	158
613036	250	370	10	252

767H1/2S

Flat rasp with handle, half smooth

- material: premium hard plus carbon steel

SKU	L	axb	
613038	200	325	4,5 x 19,5	260
613039	250	375	5 x 23	370

768H1/2S

Half-round rasp with handle, half smooth

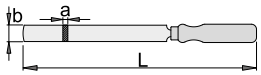
- material: premium hard plus carbon steel

SKU	L	axb	
613041	200	325	5 x 19	180
613042	250	375	6,5 x 23	280
613043	300	425	7,5 x 27	510

777/6A

Flat scraper

› material: premium plus carbon steel
› blade ground, shank blue lacquered
› wooden handle

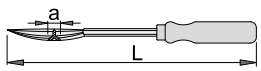


SKU		axb	L	
612228	200	5 x 20	325	233

777/6C

Triangular spoon scraper

› material: premium hard plus carbon steel
› blade ground, shank blue lacquered
› wooden handle

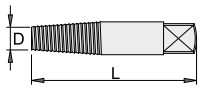


SKU		A	L	
612233	150	8	255	113
612234	200	8	325	213
612235	250	8	370	370

778/4

Screw extractor

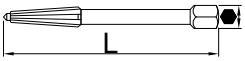
› for unscrewing damaged screws and threaded bolts without damaging threads
› material: premium chrome vanadium steel
› entirely hardened and tempered
› blackened



SKU	№	D	■	L	⬡		
616812	1	1.75	2,7	50	M3 - M6	2.5	9
616813	2	2.2	3,8	57	M6 - M8	3.0	13
616814	3	3.3	4,9	64	M8 - M11	4.5	19
616815	4	4.75	7,0	71	M11 - M14	6.0	33
616816	5	6.35	9,0	78	M14 - M18	8.0	53
616817	6	9.5	12,0	85	M18 - M24	11	102

778/4APB

Double-edged screw extractors set



SKU		
616830	1 - 5	5

778/4PB

Screw extractors set

SKU		
616820	1 - 5	5

778/4PB

Screw extractors set

SKU		
616821	1 - 6	6

778/4PB

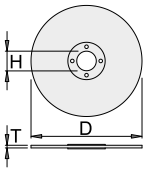
Screw extractors set

› Set include dimension 1,2,3,4,5,6,7,8

SKU		
616822	1 - 8	8

1200/1

Flat cutting-off wheels, for steel

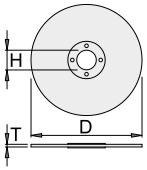


› Side reinforced flat cut-off wheels for offhand cutting on angle grinders for operating speed 80m/s, furnished with one metal hole insert.
› Cut-off wheel meet OSA requirements to European standard EN 12413 (side grinding is not allowed)
› characteristic of material: A30S1BF

SKU	D	T	H	
610487	230	3	22	282

1210

Flat cutting-off wheels, for steel

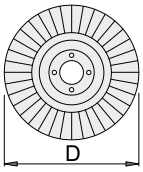


› Side reinforced flat cut-off wheels in resin bond for manual cutting on stationary machines with operating speed 80m/s, furnished with one metal hole insert.
› Thin cut-off wheel meets requirements of european standard pr EN 12413 and their production is approved by Safety Certificates DSA 1819 (side grinding is not allowed)
› Thin cut-off wheels are manufactured in specifications for universal steel cast iron and non-ferrous metals.
› characteristic of material: A46SBF

SKU	D	T	H	
610518	115	1	22	24
610519	115	1.6	22	39
610520	125	1	22	31
610521	125	1.6	22	50
610522	180	1.6	22	91
610523	230	1.6	22	150

1216

Flap disc



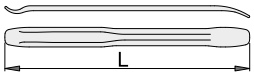
- Flap disc are to be used at the operating peripheral speed 80m/s.
- Production is approved by Safety.
- Application: coarse and fine grinding of brakes, edge grinding and removal of jagged edges, removal of dyes, cleaning of cast iron products, surface grinding
- Field of use: aluminium, soft materials, steel, plastic, wood, alloyed steel, non-iron alloys

SKU	D	Z	
610539	115	40	75
610540	115	60	70
610544	125	40	90
610545	125	60	80
610546	125	80	70

300/2

Tyre lever

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009

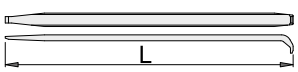


SKU	L	
617661	200	111
601755	300	253
601756	400	452
601757	500	648

300/2A

Tyre lever

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009

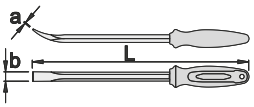


SKU	L	
601758	537	992

300/2C

Tyre lever with handle

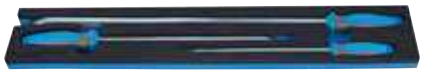
- material: premium chrome vanadium steel
- surface finish: chrome plated according to ISO 1456:2009
- ergonomic heavy duty double component handle



SKU	L	axb	
613103	320	1.1 x 13	252
613104	410	1.5 x 15	499
613105	610	1.5 x 21	837

300CCB

Set of tyre levers with handle

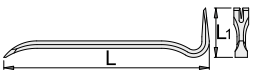


SKU	
613106	3
300/2C (320, 410, 610)	

300/6B

Carpenter's lever

- material: premium flex plus carbon steel
- lacquered

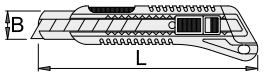


SKU	L	L1	⬢	
608815	500	120	18	1180
608816	600	120	18	1385
608817	800	120	18	2190
608821	1000	120	20	2715

556A

Utility knife

- double component handle
- 3 exchangeable snap-off blades inside the handle for 627548 and 616853
- blade from high alloy steel
- blade can only be moved with cutting block forward
- when the blade is blunt, it can be snapped off
- when the last blade has been used, the remnant of the blade can be removed by pushing cutting block forward



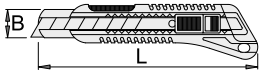
SKU	L	B	
627548	130	9	39
616853	160	18	99
627549	190	25	113

MADE FOR WORK.

556B

Utility knife

- double component handle
- 8 automatic exchangeable snap-off blades inside the handle
- blade with 13 snap-off blades
- blade from high alloy steel



SKU	L	B	
612136	160	18	167

556.1A

Set of 10 spare blades for utility knife 556A

- blade can only be moved with cutting block forward
- when the blade is blunt, it can be snapped off
- when the last blade has been used, the remnant of the blade can be removed by pushing cutting block forward
- new blade can be inserted with by pushing cutting block backwards

SKU	L	B	
627550	80	9	24
627551	126	25	177

556.1B

Set of 10 spare blades for utility knife 556A and 556B

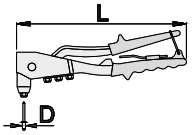
- blade can only be moved with cutting block forward
- when the blade is blunt, it can be snapped off
- when the last blade has been used, the remnant of the blade can be removed by pushing cutting block forward
- new blade can be inserted with by pushing cutting block backwards

SKU	L	B	
612137	100	18	75

1300/6

Hand riveter

- material: frame from aluminium alloy, lever handle from special composition steel
- handle: ergonomic shape
- spring for reopening
- completed with 4 nose pieces for setting blind rivets up to 4,8 mm or 3/16"
- with wrench for the change of nose-pieces



SKU	L	D1	D2	D3	D4	
615454	270	2.4 (3/32")	3.2 (1/8")	4.0 (5/32")	4.8 (3/16")	567

1300ST

Set of hand riveters on carton display

SKU	
623981	5

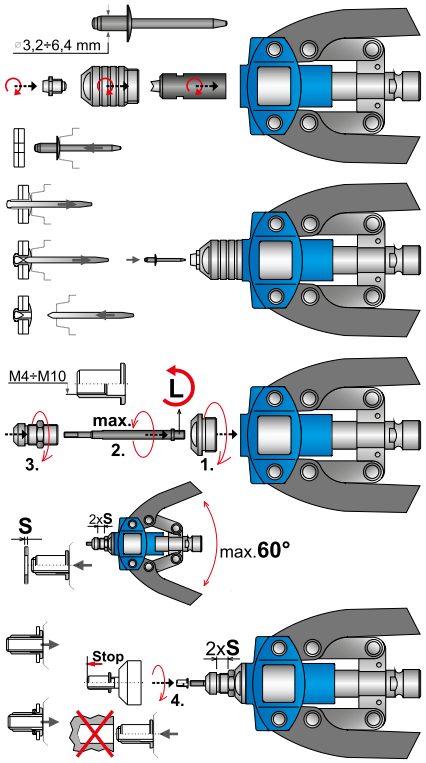
1300/6 (2.4 (3/32")x3.2 (1/8")x4.0 (5/32")x4.8 (3/16") (5x))

1301/6

Hand riveter set

- light and durable construction
- 5 nose pieces for installing rivets, 3.2 mm – 6.4 mm (1/8" – 1/4")
- 5 nosepieces for installing blind-rivet nuts, from M4 to M10 (R5/32" – R3/8")
- the tool comes with the SOS tool tray which can be used with Unior tool carriages
- lacquered handles with heavy duty handles

SKU	L	
619880	495	2200



1301.1/4

Nosepiece for blind-rivet nuts for 1301/6

SKU		
621437	M4	47
621438	M5	49
621439	M6	49
621440	M8	71
621441	M10	78

1375/6

Oil can with flexible spout

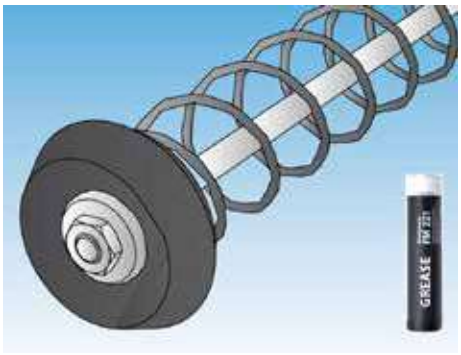
SKU	V	
619935	0.5 l	210

1376/6

Grease gun

› material of head, body and grease pipe: steel
› possibility of direct filling of bulk or using the cartridge
› capacity for bulk grease: 500 cm3
› capacity for cartridge: 400 cm3
› working pressure: 4000 - 4500 psi (280-310 bars)
› high pressure flexible grease pipe, length 290mm, outside thread R1/8", hexagonal attachment 13mm
› fixed grease pipe, length 130mm, outside thread R1/8"
› head of grease gun type American, inside thread for pipes R1/8"

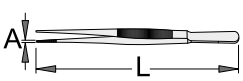
SKU	V	
619936	0.5 l	1300



1342

Flat tweezers

› material: stainless steel



SKU	L	A	
619280	160	2	25

1343

Bent flat tweezers

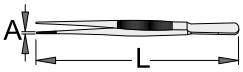
› material: stainless steel

SKU	L	A	
619281	155	2	26

1344

Flat tweezers

› material: stainless steel

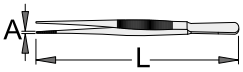


SKU	L	A	
619282	140	1.5	18

1345

Pointed tweezers

› material: stainless steel

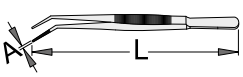


SKU	L	A	
619283	115	1.5	11

1346

Bent pointed tweezers

› material: stainless steel

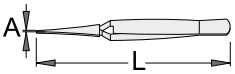


SKU	L	A	
619284	165	2	28

1347

Cross pointed tweezers

› material: stainless steel

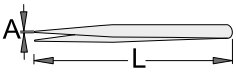


SKU	L	A	
619285	115	1.2	15

1348

Spade pointed tweezers

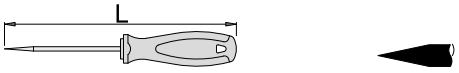
› material: stainless steel



SKU	L	A	
619286	120	1	12

639A

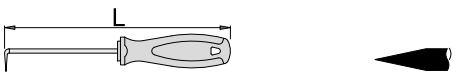
Awl with round straight blade



SKU	L	
617773	165	31

639B

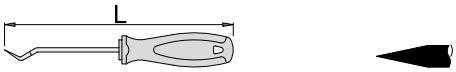
Awl with round, 90° bent blade



SKU	L	
617774	165	31

639C

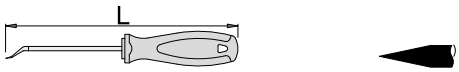
Awl with round, double bent blade



SKU	L	
617775	165	31

639D

Awl with round, double bent small blade



SKU	L	
617776	165	31

639PB

Awl set

SKU	
617777	4

352/6PB

Tube bending set

› Dimension of box: 393 x 331 x 95

Set includes:
› 1x bending pliers (article 352.1/6)
› 8x bending adaptor (article 352.2) dim. 10, 12, 14, 15, 16, 18, 20, 22
› 2x bending back (article 352.2) dim. 10, 12 - 22

Usage:
› for bending copper, brass, aluminium and tin walled steel tubes up to 90°

SKU	⟷	
621533	10 - 22	11

352.1/6

Bending pliers

› housing from special alloy
› step bending mechanism
› quick release system

SKU	
621534	1140

352.2

Bending adaptor

SKU	O max	
621535	10	73
621536	12	97
621537	14	139
621538	15	134
621539	16	128
621540	18	241
621541	20	219
621542	22	272
621543	3/8"	72
621544	1/2"	93
621545	5/8"	128
621546	3/4"	229
621547	7/8"	271

352.3

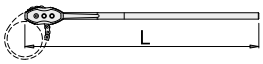
Bending back

SKU		
621549	10	251
621548	12 - 22	450

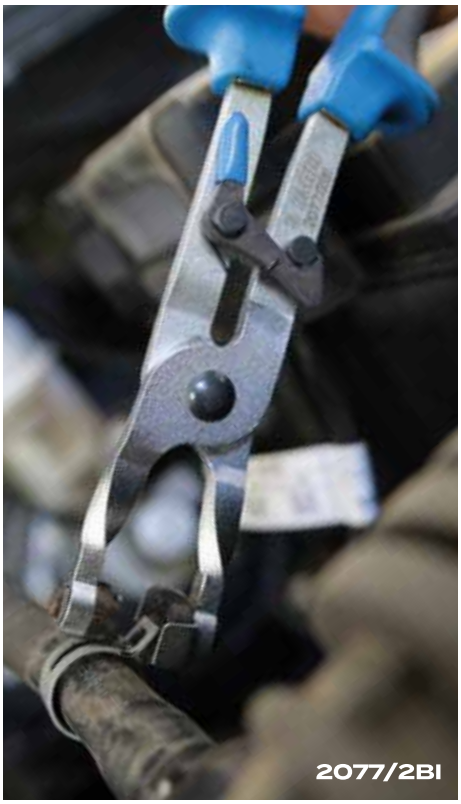
484/6

Chain pipe wrenches

- material: premium plus carbon steel
- jaws and tube drop forged
- serrated jaws with induction hardened teeth
- possibility of rotating the jaw
- surface finish: lacquered tube, other parts anticorrosion oiled
- the chain can withstand extremely high loads



SKU		Ømax	L	
601530	4	160	815	6735
601531	6	200	965	9238
601532	8	300	1130	13000
601533	12	400	1290	18000



2077/2BI

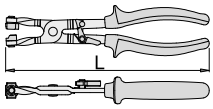
Spring clip pliers

- material: premium plus carbon steel
- material pivoting tip: special carbon tool steel
- surface finish: chrome plated to standard ISO 1456:2009
- tips black finish
- heavy duty double - component handles
- jet stamp UNIOR
- for hose clips on cooling, heating, fuel or screen-washer systems

Advantages:
- fits most standard sized clamps
- position lock makes it easy to replace hose clamps

How to use the tool:
- Pliers for …. are used for opening the tube clamps, enabling quick and safe removal of tubes from tube prolongations. They are also used for closing the tube clamps when tubes are attached to tube prolongations to prevent tubes from falling off the prolongations and thus ensuring safe movement of fluids. The pliers have been designed in such a way so that only a minimum force is sufficient to create large pressure upon the clamp, ensuring safe and durable connection of the tube to the tube prolongation. The pliers have been shaped in such a way so that they can be efficiently used at places which are difficult to access, thus enabling quick and easy handling. Firm and safe grip is ensured by the ergonomic shape of the handles.

Used for:
- Alfa Romeo, Audi, Citroen, Fiat, Ford, Hyundai, Lancia, MAN, Mercedes, Opel/Vauxhall, Peugeot, Porsche, Renault, Seat, Toyota, VW, Volvo, etc.



SKU	L	
619250	235	301

2078/2BI

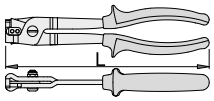
Slotholder pliers for OETIKER® collars

- material: premium plus carbon steel
- heavy duty double - component handles
- jet stamp UNIOR
- for automotive pressed axlecuffs OETIKER®

Advantages:
- exact deformation of the axlecuff ear
- longer, for easy deformation of axlecuff ears
- for almost all passenger cars

How to use the tool:
- Pliers for …. are used for opening the tube clamps, enabling quick and safe removal of tubes from tube prolongations. They are also used for closing the tube clamps when tubes are attached to tube prolongations to prevent tubes from falling off the prolongations and thus ensuring safe movement of fluids. The pliers have been designed in such a way so that only a minimum force is sufficient to create large pressure upon the clamp, ensuring safe and durable connection of the tube to the tube prolongation. The pliers have been shaped in such a way so that they can be efficiently used at places which are difficult to access, thus enabling quick and easy handling. Firm and safe grip is ensured by the ergonomic shape of the handles.

Used for:
- Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel/Vauxhall, VW



SKU	L	
619251	230	316

2079/2BI

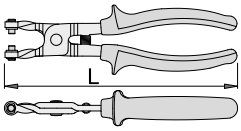
Quick coupler pliers for fuel pipes

- material: premium plus carbon steel
- surface finish: chrome plated to standard ISO 1456:2009
- tips black finish
- heavy duty double - component handles
- jet stamp UNIOR
- for disconnecting fuel pipes

Advantages:
- spring for reopening

How to use the tool:
- This tool is used for the removal of the quick couplers that connect fuel lines. The tool has two hardened pins in the jaws that compress the couplers during removal or repair (the hose can then be removed). The jaw is dimensioned and adjusted to enable safe and easy work with great force in a limited space.

Used for:
- Opel/Vauxhall, Fiat, GM, VW, Renault etc.



SKU	L	
619252	206	264

2080/2BI

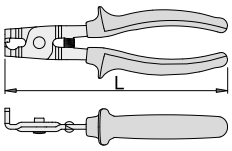
CLIC® collar pliers

- material: premium plus carbon steel
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- jet stamp UNIOR

Advantages:
- separating and closing with 180° invert of the pliers

Usage:
- to remove and reassemble CLIC spring-clips
- Pliers for …. are used for opening the tube clamps, enabling quick and safe removal of tubes from tube prolongations. They are also used for closing the tube clamps when tubes are attached to tube prolongations to prevent tubes from falling off the prolongations and thus ensuring safe movement of fluids. The pliers have been designed in such a way so that only a minimum force is sufficient to create large pressure upon the clamp, ensuring safe and durable connection of the tube to the tube prolongation. The pliers have been shaped in such a way so that they can be efficiently used at places which are difficult to access, thus enabling quick and easy handling. Firm and safe grip is ensured by the ergonomic shape of the handles.

Used for:
- Audi, Citroen, Fiat, Mercedes, Opel/Vauxhall, Peugeot, Renault, VW



SKU	L	
619253	190	244

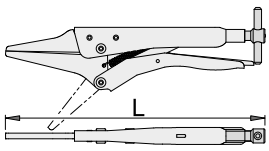
2081/3

Grip hose clamp pliers for stopping the flow of fluids

- material: premium flex plus carbon steel
- handles made from sheet metal
- used for the stopping of the flow of oil, gasoline...

Advantages:
- jaws are free of sharp edges, so that sensitive hoses do not sustain damage.
- plastic moulded T handle enables improved grip for the user.
- fast and simple stoppage of the flow of fuel and other liquids.
- universal locking mechanism.

How to use the tool:
- The tool for stopping the flow of fluids is an indispensable tool when changing various automotive parts connected with liquid-bearing hoses. The tool's main function is the stoppage of the flow of various fluids in soft hoses so that a mechanic can replace a certain car part without interruptions or worrying over a potential spillage. The tool can be used on soft hoses in cars, trucks, farming machines as well as various nautical vessels, however, the hose diameter may not exceed 55 mm at any time, as in that case the stoppage of the flow is not guaranteed.



SKU	L	O_{max}	
619254	285	55	611

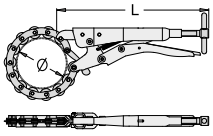
2082/3

Grip pliers for cutting exhaust pipes

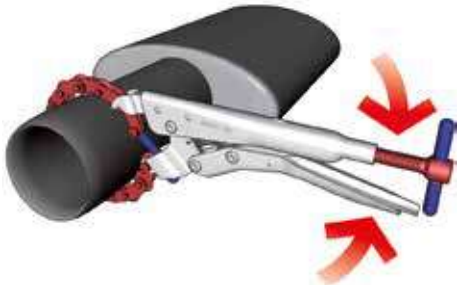
› material: jaws from Premium Flex Plus carbon steel
› handles made from sheet metal
› Cutting capacity: 25–85 mm.
› used for cutting exhaust pipes in partial replacements of exhaust systems.

Advantages:
› the plastic-coated T-handle provides better grip for the user.
› universal locking mechanism.
› very long cutting chain.

How to use the tool:
› This tool is primarily intended for cutting exhaust pipes but, due to the design of its cutting chain and blades, it can also be used for copper pipe, plastic pipe and various other pipes with diameters between 25 and 85 mm. The tool is safe and easy to use due to accessories such as: – a longer cutting chain enabling you to cut pipes with diameters of up to 85 mm; – larger cutting blades, enabling you to cut steel tube up to 3 mm thick, brass tube up to 4 mm thick, PVC tube up to 5 mm thick; – a plastic-coated T–handle that decreases the amount of force necessary to use the tool, enhances grip and prevents slipping; – a universal locking mechanism that keeps the tool in position until you release the locking mechanism and stop cutting. The cutting chain is subject to wear, which is why we are offering it as a spare part (art. 2082.1).



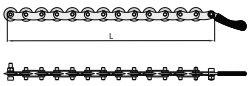
SKU	L	Ø1	Øi	
619255	330	25	85	765



2082.1

Spare chain for item 2082/3

› material cutters: alloy steel



SKU	L	
619256	305	184

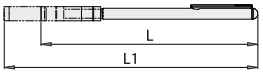
2083

Telescopic magnetic pick-up tool with light

› for lifting nuts, bolts, screws

Advantages:
› batteries protected against humidity
› included in the set: 3 LR41 batteries
› with light, for dark places between the machine parts

How to use the tool:
› This tool is intended for picking up small metal objects. It has a special light that activates automatically upon being extended from its housing. It is useful for partly unlit spaces such as the inside of engines. When no longer needed, simply fold back the tool and the light will immediately deactivate. The tool has a fastener.

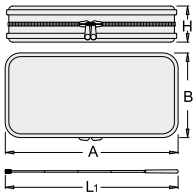


SKU	L	L1	
619741	170	660	42

2084

Professional auto inspection set

› with long life LED light
› available in durable plastic bag
› the magnet's lifting capacity: 3.5 kg
› included in the set: 1 round mirror O60, 1 angular mirror (65 x 42 mm), 2 bits attachments, 3 L1154F batteries, 1 bag with the SOS tool tray
› In addition to the LED light, this set includes additional mirrors to facilitate viewing of difficult-to-reach areas inside the car, making this a very useful set. The tools are also intended for lifting small metal objects such as screws, nuts, etc. The set comes in an attractive and durable bag. Individual tools have been placed in the SOS tool tray to make them easier to find.



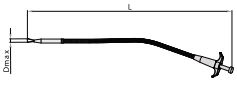
SKU	A	B	H	L1		
619742	240	110	45	650	3.5	360

2085

Claw pick-up tool

Advantages:
› This adjustable tool is easy to navigate through difficult-to-reach areas. To enable quick and reliable gripping of objects, it has three claws that extend or return to their original position upon pressing or releasing the button, respectively.

How to use the tool:
› for lifting small especially non-metallic parts like bolts, nuts, screws



SKU	L	Di	
619883	510	15	150

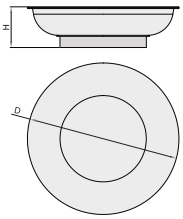
2086

Magnetic tray

- Material: stainless steel, corrosion resistant
- keeps parts and tools right where you need them
- holds any small nuts, bolts and steel parts

Advantages:
- powerful permanent magnet covers with protective rubber foot
- can be used in any position

How to use the tool:
- With its powerful rubber-protected magnet, this magnetic tray is suitable for practically all industrial applications ranging from car repair shops to everywhere where it can be attached to a metal surface. It can be used in all positions - the magnet is so powerful that the tray can even be fitted upside-down. The tray is intended for protecting screws, nuts and the like against being misplaced, and for storing them in a central location to minimise the time needed to find a specific item.
- for usage in garage, engine, household work



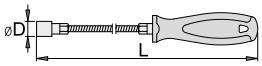
SKU	D	H		
619728	150	40	3	387

2087

Flexible pick up tool with magnet

- The flexible magnetic pickup is designed to collect metal objects from hard to reach spots.

Advantages:
- It features a flexible stem with a strongly magnetic tip.
- The magnet is capable of lifting metal objects of up to 1 kg.
- The tool is fitted with an ergonomically designed handle, ensuring easy and efficient operation.



SKU		L	D	
619929	1	500	15	127

2089/2BI

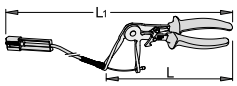
Automatic Spring Clip Pliers

- material: premium plus carbon steel
- material pivoting tip: special carbon tool steel
- surface finish: chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- for hose clips on cooling, heating, fuel or screen-washer systems

Advantages:
- fits most standard size clamps
- position lock makes it easy to replace hose clamps

How to use the tool:
- The pliers are used for opening tube spring clips used on cooling and heating systems which enables quick and safe removal of tubes from tube extensions. Suitable for spring clips with a grip ranging from 18 to 54 mm. The 600 mm long Bowden cable enables efficient use in hard to reach places where clips cannot be reached with other pliers. The pliers include a toothed blocker with 8 positions for opening clips or fastening them in a custom position which makes the removal of clips easier and with no additional force necessary. The handles are designed so that when the pliers' jaws are open the widest they are easy to squeeze with as little force as possible.

Used for:
- Alfa Romeo, Audi, Citroen, Fiat, Ford, Hyundai, Lancia, MAN, Mercedes, Opel/Vauxhall, Peugeot, Porsche, Renault, Seat, Toyota, VW, Volvo, etc.



SKU	L	L1	
620234	230	600	415

2091

LED light

Advantages:
- with 7 LED lamps (6 in front and 1 on top)
- working time of 6 front LED lamps is approximately 3 hours, 1 LED on top 7 hours
- luminous flux of top LED light: 80 lm
- luminous flux of front LED light: 350 lm
- IP class: IP20
- with two adjustable hangers
- with three magnets
- simple light angle adjustment from 0 to 180°
- made from user friendly plastic material
- with two adaptors (12/24V in 100-240 V)
- magnet in bottom carries complete weight of LED light
- Li-Ion battery

RoHS Li-Ion

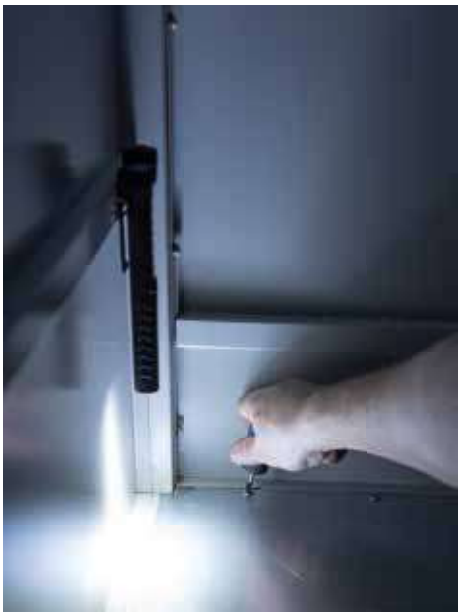
SKU	L	A	
620237	250	55	512

2091A

LED light

- L: 170mm; Ø: 22 mm; 100 - 130 lm
- LED light: front 7 pcs x 1.5 W + top 1 pc x 1 W
- on/off switch on the top
- magnetic clip
- durable housing
- Li-ion battery, 800 mAh
- LED charge indicator
- more than 5 hours running time
- USB charge port with AC/DC adaptor: input: 100V - 240 V, 50 - 60Hz; output: 5V DC 1000 mA

SKU	L	D	
627201	170	22	115

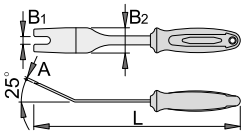


1940/2BI

Trim pin remover

- material: premium flex plus carbon steel
- ergonomic heavy duty double component handle
- for removing trim pin till 8mm
- This tool is used for extracting fastening pins, removing trim and on various upholstery.

Advantages:
- tip angled ground
- It's ergonomic design allows easy and safe working in various positions and in difficult to reach places without damage to the items being extracted or removed.



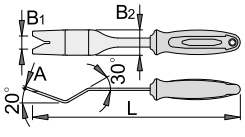
SKU	L	B1	B2	A	
619267	230	8.5	28	2.5	130

1940.1/2BI

Trim pin remover

- material: premium flex plus carbon steel
- ergonomic heavy duty double component handle
- for removing trim pin from 2mm till 15mm
- This tool is used for extracting fastening pins, removing trim and on various upholstery.

Advantages:
- tip angled ground
- Its ergonomic design allows easy and safe working in various positions and in difficult to reach places without damage to the items being extracted or removed.



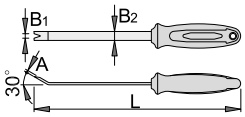
SKU	L	B1	B2	A	
619268	230	16.3	28	2.5	135

1940.2/2BI

Trim pin remover

- material: premium flex plus carbon steel
- ergonomic heavy duty double component handle
- for removing trim pin till 4,5mm
- This tool is used for extracting fastening pins, removing trim and on various upholstery.

Advantages:
- tip angled ground
- Its ergonomic design allows easy and safe working in various positions and in difficult to reach places without damage to the items being extracted or removed.



SKU	L	B1	B2	A	
619269	230	5	10	2.5	109

1944/6

Double suction lifter

- durable plastic body
- for the transport and positioning of windscreens during fitting and removing operations

Advantages:
- loading capacity: 75kg
- two strong suction pads for maximum safety
- suction pads can be set to suit flat and curved surfaces

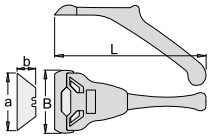
How to use the tool:
- This lifter is useful when replacing and carrying windscreens (they have to be removed to be replaced). The lifter is operated by placing the two suction pads on the windscreen and creating vacuum in them by using the handles. The suction pads then securely grip the windscreen that is to be removed or installed.
- 1. Position it on the windscreen.
- 2. Move the handles to create vacuum between the lifter and the windscreen.
- 3. The windscreen can be safely removed or installed using the lifter.

SKU	
619740	925

1945

Multi-function scraper with blade guard

- plastic material
- blade from high alloy steel
- with blade guard
- This tool is designed for scraping off dirt stuck to various surfaces. Due to its large working surface, the tool scrapes uniformly across the entire surface. It is suitable for removing silicon putty from motor heads, baked-on seals, vignette, etc.



SKU	L	B	axb	
620240	165	70	60.8 x 18.9	109

1945.1

Set of 5 blades for 1945

SKU	
621042	33

2035

Brush for cleaning disk brake shoes

- for cleaning brake disc shoes prior to installing new brake linings and other metal engine parts
- extremely narrow design for those hard-to-reach spaces
- Braking causes wear on the brake pads and brake lining material to accumulate in the brake disc shoe - this has to be cleaned when replacing brake pads. The narrow design of this tool allows it to be used to clean brake disc shoes and anything else that might require such cleaning.

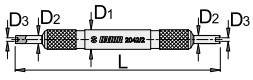
SKU	
619739	73

2042/2

Tool for tyres valvelets

- material: premium plus carbon steel
- surface finish: chrome plated according to ISO 1456:2009
- for assembling and disassembling Schrader valvets mechanism
- one end is designed for assembling and disassembling of mechanism, other end for releasing the air

Advantages:
- the handle of the tools is serrated for a better grip



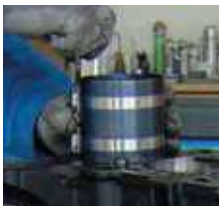
SKU	L	D1	D2	D3	
621998	115	11	4,5	2	65

2203/2BI

Tool for rotating camshaft pulley

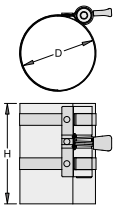
- material: premium chrome vanadium steel
- material: pin from premium plus carbon steel
- for holding pulleys on camshafts, injection pumps
- for timing pulleys, span from 24 to 160 mm
- available pin dimensions: Ø5.7, Ø7.7, Ø9.7, Ø11.7, Ø18
- heavy duty double - component handles
- jet stamp UNIOR
- Used to hold the camshaft pulley in place so that the centre screw can be unscrewed prior to removing the camshaft pulley. This easy-to-use tool is intended for all types of camshaft pulleys.

SKU	L	
619723	525	1435



2205

Piston ring compressor



- use to install pistons on most passenger cars.
- high quality construction with sprung steel wraps
- with safety adjusting screws
- available in a wide range of sizes
- This tool is used to install pistons and piston rings into engine cylinders. Different sizes are available.

How to use the tool:

- Insert the piston and any piston rings into the tool, position the tool at the opening and use it to insert/push the piston and any piston rings into the cylinder.

SKU	H	D"	D	
619725	50	1 3/4" - 3 1/2"	40 - 90	178
619726	80	2 1/4"- 5"	57 - 125	291
619727	80	3 1/2" - 7"	90 - 175	320
619729	165	3 1/2" - 7"	90 - 175	587

2206

Universal clutch aligner

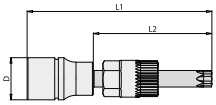
- designed for most vehicles, with single plate clutches
- for clutch up to: 15 - 28 mm
- Easy to use
- The tool under art. No. 2206 is the only universal clutch aligner that allows you to align almost any standard passenger car clutch. This is done directly between the clutch plate and the pressure plate by using the universal clutch aligner to join them together. After the clutch aligner is removed, both parts of the clutch are joined together and aligned with regard to their axes.

SKU	
619730	211

2209

Alternator combination socket

- This two-part tool for the alternator allows the easy dismounting and mounting of the alternator pulley for the purposes of pulley replacement or alternator repair. The alternator is blocked by means of a 10 mm XZN multispline insert; simultaneously, the pulley retaining screw on the shaft is released/tightened. The tool is available as a 1/2" socket key with a XZN – M10 bit and as a 1/2" socket key with a TX50 bit.

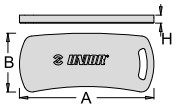


SKU		D	L1	L2	
620225	M 10	23.8	113	75	178
620948	TX 50	23.8	113	75	176

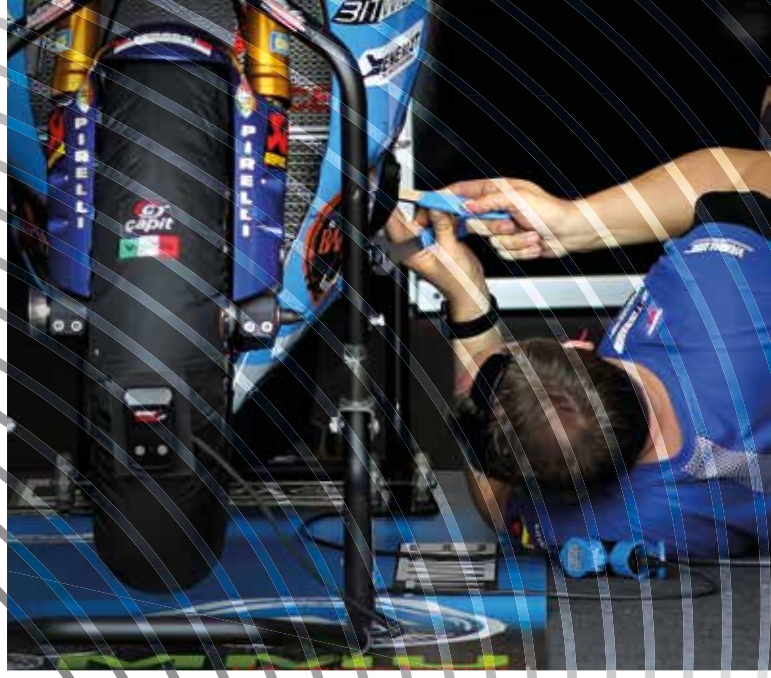
1863

Universal kneeling and sitting pad

- material: low density polyethylene foam



SKU	A	B	H	
621982	500	219	30	95



MADE
FOR
WORK.

SAFE TOOLS AT HEIGHTS

Perfect tools adapted for working at height!

Working at height is associated with high risk, so nothing should be left to chance. When working at height, safety is of utmost importance, which is why a comprehensive and strategically focused tool design is important. Because of this, Unior has developed a tool that is attached in such a way that it does not hinder or disturb you at your work, with special fixing solutions. To this end, the fixings must be very well thought out and developed, for classical ways of thinking about tool development here are out of the question. It is also of great importance that the tool is 100% tested and properly inspected for continued use.

Premium

Premium chrome vanadium steel

Reliability without wear and tear

When it comes to tools, such as spanners and pipe pliers, for example, which need to withstand high loads, properties such as high tensile strength, the corresponding ductility of the material with higher elasticity and the lowest possible susceptibility to cracking are of particular importance. These requirements are particularly well met by Premium chrome/vanadium steel, an alloyed tool steel with manganese, chrome, silicon and carbon. Tools made from this steel have a long service life and are an excellent choice for many years of use.

Alloyed tool steel 31CrV3, in accordance with EU directive 2000/53/EC

- 0.60% manganese for higher tensile strength and ductility
- 0.60% chrome for lower susceptibility to cracking and higher tensile strength
- 0.30% silicon for higher elasticity
- 0.35% carbon for appropriate tool hard

WHEN USING ANY TOOL,
PROPER PRECAUTIONS MUST BE TAKEN.

The incorrect use of tools can be dangerous. We recommend you read our Guides, for safety tips and instructions on the correct use of our tools. We provide information on common user errors encountered when using our tools so please, always follow our recommendations and check our web page for up to date information.

WRENCHES AT HEIGHTS	**312 - 313**
PLIERS AT HEIGHTS	**314 - 318**
OTHER SAFE TOOLS AT HEIGHTS	**318 - 321**
SAFE TOOL EQUIPMENT	**321**

The total weight of tools that can be attached to a user's work belt should not exceed 10% of the user's weight.

Attachment ropes should not be shortened, reworked etc. If a rope is damaged or destroyed, do not use the tools.

During work, do not unfasten or detach tools from yourself.

When changing (switching) tools, it is recommended to observe the procedure of replacement described in the Unior d.d. catalogue (tools are attached throughout the replacement with one carabiner or the replacement is made at a so-called safe place).

Do not drop or throw tools deliberately, since this may result in a spring effect and unforeseen consequences.

Tools on a rope should not be wound, since that may lead to unforeseen consequences.

User selects Unior attachment elements depending on the purpose of use and with respect to the weight of tools (tool weight is indicated on a tool).

Tracking manufacture code and final control code are indicated on each tool.

User must be trained to perform work at heights pursuant to the national legislation.

User must use the prescribed personal protective equipment.

Working range at heights is the radius of two metres from the point of attachment on the user. No other person or equipment is permitted within that range due to the possibility of damage caused by a falling tool.

Please check the tools regularly and always before each use.

After any fall of a tool, check the rope and the tool. If necessary, replace the tool and/ or rope.

The maximum weight of each tool defined by Unior as safe tool for work at heights attached to a work belt amounts to 2.3kg.

TÜV AUSTRIA
TESTED
TÜV AUSTRIA SERVICES GMBH

Since our goal is to provide quality products and work solutions to our customers, we have tested Unior safe tools at height and equipment by one of the most reputable organization in the field of certification and testing, **TÜV AUSTRIA SERVICES GMBH.**

The testing results show that **UNIOR** products and equipment are appropriate for safe work at heights, considering the standards for secure work at height and manufacturer's instructions for use.

With the acquisition of the specified certificate, UNIOR Safe tools at height product group is considered to be fit for use.

SAFE WORK AT HEIGHTS

HIGHLY EFFICIENT SOLUTIONS

Types of attachments for tools for working at heights

If several tools are attached to a single attachment, the total weight of all of the parts must be taken into account.

Attachment that slides along the tool with non-removable riveted metal ring, allows use of both ends of tool.

Rotating attachment *prevents twisting of lanyards and other attachment devices.*

Fixed attachment point *non-removable riveted metal ring attached through the metal part of the tool, provides additional safety for heavy tools.*

Attachment through metal part of tool *not just through the PVC handle which is glued to the tool, but with a non-removable riveted metal ring; this provides additional assurance that the casing will not detach in extreme conditions.*

VDE *the attachment point on the tool is made in accordance with the requirements of the VDE standard, which allows safe work at high voltage. The use of metal carabiners and lanyards with metal rings on the tool attachment end is prohibited.*

Safety socket wrenches *the ratchet or T-handle is equipped with a non-removable riveted metal ring which is attached through the metal part of the tool. The connection between the wrench and the accessories is secured not with a ball bearing but with a pin which cannot be removed without a special tool, and cannot be released unintentionally; sockets are switched in a safe area using a special tool.*

Safety saws *specific tool attachment for working at heights useful for numerous applications when working at heights, with a non-removable riveted metal ring which is attached through the metal part of the tool. The saw blade is not secured, which in theory does not constitute a major danger, since its weight is low and its shape does not allow it to reach high speeds during a fall.*

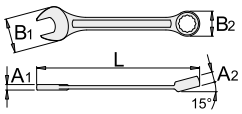
120/1-H

Combination wrench, long type, for safe work at heights

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- ring part with LIFE profile
- made according to standard ISO 7738 (metric dimensions only)

Advantages:

- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- sliding metal ring does not obstruct use of tool on either end



SKU		L	B2	B1	A2	A1	
626076	6	119	10,4	14,5	5	3,5	18
626077	7	129	11,5	16,5	5,8	3,9	22
626078	8	141	13,2	18,5	6,9	3,9	28
626079	9	152	14,	321	7,3	4	36
626080	10	163	15,9	23	7,5	4,2	43
626081	11	176	17,8	24,5	8	4,5	54
626082	12	186	19,4	26,5	8,5	4,7	64
626083	13	199	20,4	29,5	8,5	5,2	72
626084	14	210	22	31,5	9	5,2	86
626085	15	222	23,5	33,5	9,5	5,7	101
626086	16	234	24,8	36	10,5	6,2	136
626087	17	245	16,1	38	10,5	6,7	155
626088	18	257	27,7	40	11	7,2	173
626089	19	268	29,3	42	12	7,2	198
626090	20	280	31	44	12,5	7,7	224
626091	21	291	32,6	45,5	13	8,2	255
626092	22	303	34,1	46,5	13	8,2	273
626093	23	314	35,7	50,5	13	8,2	316
626094	24	330	37,3	52,5	14	8,5	361
626095	25	337	39	54,5	14,5	8,5	384
626096	26	349	40,1	56	15	8,5	424
626097	27	360	41,6	57,5	15	9	481
626098	28	373	43,2	59,5	15,1	9	542
626099	29	383	44,9	61,5	16	9,5	573
626100	30	395	46,5	63,5	16	10	627
626101	32	416	49	68	16,5	10,5	744
626176	35	500	53,5	78,8	20	13,6	1540
626117	36	500	53,5	78,8	20	13,6	1485
626174	38	515	58	82,8	20,5	14,1	1458
626118	41	540	62	86,8	21	14,6	2113
626295	1/4"	119	10,4	14,5	5	3,5	18
626296	5/16"	142	13,2	18,5	6,9	3,9	28
626297	3/8"	153	14,3	21	7,3	4	33
626298	7/16"	176	17,8	24,5	8	4,5	53
626299	1/2"	199	20,4	29,5	8,5	5,2	74
626300	9/16"	211	22	31,5	9	5,2	83
626301	5/8"	234	24,8	36	10,5	6,2	135
626302	11/16"	245	26,1	38	10,5	6,7	153
626303	3/4"	268	29,3	42	12	7,2	200
626304	13/16"	291	32,6	45,5	13	8,2	258
626305	7/8"	303	34,1	46,5	13	8,2	274
626306	15/16"	330	37,3	52,5	14	8,5	358
626307	1"	337	39	54,4	14,5	8,5	389
626308	1.1/16"	360	41,6	57,5	15	9	477
626309	1.1/8"	372	43,2	59,5	15,5	9	535
626310	1.1/4"	417	49	68	16,5	10,5	748
626311	1.5/16"	417	49	68	16,5	10,5	740
626312	1.3/8"	500	53,5	78,8	20	13,6	1529
626313	1.7/16"	500	53,5	78,8	20	13,6	1489
626314	1.1/2"	500	53,5	78,8	20	13,6	1473
626315	1.5/8"	540	62	86,8	21	14,6	2132
626316	1.11/16"	540	62	86,8	21	14,6	2096

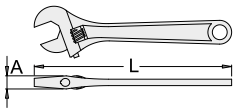
250/1-H

Adjustable wrench, for safe work at heights

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- with scale
- made according to standard ISO 6787

Advantages:

- tool weight is marked on each tool



SKU		L	A		
626106	200	205	14,4	28	272
626107	250	254	16,9	32	458
626108	300	303,5	19,1	38	709
626109	380	375	23,8	50	1309
626162	450	458,5	26,3	60	1725

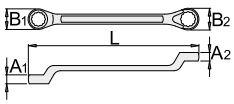
179/2-H

Scaffolding wrench, for safe work at heights

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- to assemble scaffolding

Advantages:

- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- sliding metal ring does not obstruct use of tool on either end



SKU		L	B1	B2	A1	A2	
626161	21 x 22	316	35	34	17	17	605

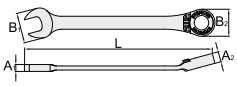
160/2-H

Ratchet combination wrench, for safe work at heights

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered

Advantages:

- ratchet: works both way, screw direction can be changed with button
- Stop ring on the ring part of the wrench prevents unexpected slip of the wrench from the nut and positioning back on the nut.
- It enables quick and easy tightening of the nut without causing damage to the user and quick, save and precise positioning of the wrench on the nut.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- sliding metal ring does not obstruct use of tool on either end



SKU		L	B2	B1	A2	A1	
626389	8	134	17,1	16,7	8,4	4,7	41

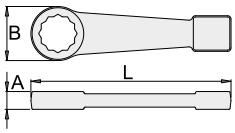
626390	9	158	21	21	8,4	5,5	68
626391	10	158	21	21	8,4	5,5	66
626392	11	164	22,6	23	9,7	6	77
626393	12	167	23,8	25	9,7	6,2	87
626394	13	177	24,9	27,5	9,7	6	101
626395	14	189	27	29	10,1	7	120
626396	15	198	28,1	31,5	11,7	7,2	148
626397	16	204	29,9	33	11,7	7,5	166
626398	17	224	31,9	34,9	11,7	8	207
626399	18	245	34,4	38,9	12	8,8	249
626400	19	245	34,4	38,9	19	12	247
626401	21	280	45,7	42,6	14,2	9,5	399
626402	22	280	45,7	42,6	14,2	9,5	378
626403	24	310	51,7	46,5	14,7	10	484

184/7-H

Slogging ring wrench, for safe work at heights

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: anticorrosive oiled
- made according to standard DIN 7444 (metric dimension only)

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



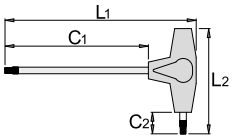
SKU	⬡	L	B	A	
626344	24	180	16	48,6	579
626345	27	180	16	48,6	555
626346	30	180	16	48,6	532
626347	32	190	18	58,4	762
626348	36	190	18	58,4	745
626349	41	235	22	74	1466
626350	46	235	22	74	1397
626351	50	235	22	74	1329
626360	1.1/16"	180	16	49	550
626361	1.1/8"	180	16	49	549
626363	1.1/4"	190	18	58	775
626364	1.5/16"	190	18	58	763
626365	1.3/8"	190	18	58	748
626366	1.7/16"	190	18	58	722
626367	1.1/2"	235	22	74	1484
626368	1.5/8"	235	22	74	1477
626369	1.11/16"	235	22	74	1477
626370	1.3/4"	235	22	74	1407
626371	1.13/16"	235	22	74	1414
626372	1.7/8"	235	22	74	1398
626373	2"	235	22	74	1323

193HX-H

T-handle hex wrench, for safe work at heights

- material: blade from premium chrome vanadium steel
- handle - polypropylene
- blade chrome plated, black anodised tip

Advantages:
- Rotating metal ring is ergonomically designed and prevents twisting of the lanyard.
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	⬡	L1	C1	C2	L2	
626177	2,5	155	125	15	61	13
626178	3	155	125	15	61	16
626180	4	155	125	15	61	24
626182	5	188	150	20	88	56
626183	6	188	150	20	88	74
626184	7	223	175	25	113	128
626185	8	223	175	25	113	198
626186	10	248	200	25	113	233

220/3MH-H

Set of hex wrenches in metal folding holder, for safe work at heights

- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.

SKU	⟷	
626232	2.5, 3, 4, 5, 6, 8, 10	341

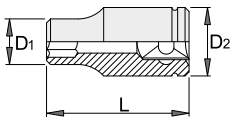
190/112p-H

Socket 1/2", 12 point, for safe work at heights

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished

Advantages:
- tool weight is marked on each tool
- made in accordance to the ISO 3315-B (accessories) and ISO 2725-1B (sockets) standards
- switching sockets and accessories requires use of specific tool (Art. 1111)
- sockets and accessories with side holes

Caution!
- switching sockets and accessories must be carried out in a previously secured or safe area



SKU	⬡	L	D1	D2		
626143	10	38	15	22,9	12	53
626144	11	38	16,3	22,9	12	55
626145	12	38	17,9	22,9	12	55
626146	13	38	18,8	22,9	12	56
626147	14	38	19,7	22,9	12	59
626148	15	38	20,4	22,9	12	61
626149	16	38	22,9	21,5	12	57
626150	17	38	24,3	22	12	58
626151	18	38	25,5	23	12	67
626152	19	38	26,8	24	14	72
626153	20	38	28,1	24	14	76
626154	21	38	29,3	25	14	84
626155	22	38	30,4	25	14	86
626156	23	40	31,7	26	14	99
626157	24	42	33,1	28	16	120
626158	27	43	37	30	18	143
626159	30	46	40,7	34	22	204
626160	32	46	43,2	36	22	225
626388	36	46	48	42	22	268
626203	3/8"	38	15	22,9	12	46
626204	7/16"	38	16,3	22,9	12	46
626205	1/2"	38	18,8	22,9	12	50
626206	9/16"	38	20,4	22,9	12	50
626207	19/32"	38	20,4	20,7	12	49
626208	5/8"	38	22,9	21,5	12	55
626209	11/16"	38	25,5	23	12	56
626210	3/4"	38	26,8	24	14	59
626211	25/32"	38	27,9	24	14	76
626212	13/16"	38	29,3	25	14	72
626213	7/8"	40	31,7	26	14	89
626214	15/16"	42	33,1	28	16	108
626215	1"	42	35,3	30	16	121
626216	1.1/16"	43	37	30	18	131
626217	1.1/8"	43	39	32	20	160
626218	1.3/16"	46	40,7	34	22	185
626219	1.1/4"	46	43,2	36	22	207

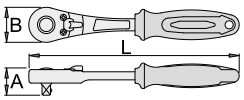
190.1/1ABI-H

Reversible ratchet 1/2", for safe work at heights

- material: premium flex chrome vanadium steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard ISO 1456:2009

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- made in accordance to the ISO 3315-B (accessories) and ISO 2725-1B (sockets) standards
- switching sockets and accessories requires use of specific tool (Art. 1111)
- sockets and accessories with side holes

Caution!
- switching sockets and accessories must be carried out in a previously secured or safe area



SKU	■	L	A	B	
626245	1/2"	260	36	45	456

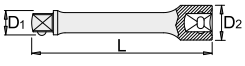
190.4/1-H

Extension bar 1/2", for safe work at heights

- material: premium flex chrome vanadium steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- polished head
- made in accordance to the ISO 3315-B (accessories) and ISO 2725-1B (sockets) standards

Advantages:
- tool weight is marked on each tool
- switching sockets and accessories requires use of specific tool (Art. 1111)
- sockets and accessories with side holes

Caution!
- switching sockets and accessories must be carried out in a previously secured or safe area



SKU	■	L	D1	D2	
626103	1/2"	125	16,8	24	183
626104	1/2"	250	16,8	24	331

1111

Socket remover

- The tool is used for releasing socket from accessories for safe work at height.

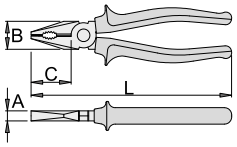
SKU	
627339	14

405/1BI-H

Combination pliers, for safe work at heights

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5746

Advantages:
- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	B	C	A	
626958	160	24	35	9,5	223
626959	180	27	38	10	274

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øi	max 650 N/mm² Øi
626958	160	1,6	2,0
626959	180	1,8	2,5

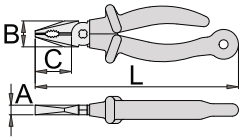
406/1VDP-H

Combination pliers, for safe work at heights

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 5746 and EN IEC 60900

Advantages:
- handles are insulated with double layered - double coloured insulation for additional safety
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- tool weight is marked on each tool

Important!
- if second layer is visible, replace your insulated tool with a new one.
- Insulated tool is not designed for use with carabiners, but with a lanyard with a cord.



SKU	⟷	L	B	C	A	
626963	180	215	27	38	10	276

cutting capacity (10N=1kg)

SKU	⟷	max 1600 N/mm² Øi	max 650 N/mm² Øi
626963	180	1,8	2,5

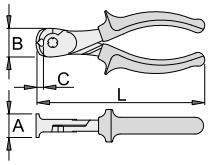
455/1BI-H

End cutting nippers, for safe work at heights

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5748

Advantages:

- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	B	A	C	
626201	160	27	22	7	255

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Ø i	max 650 N/mm² Ø i
626201	160	1,6	2,5

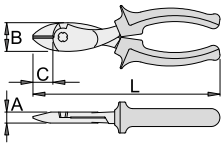
466/1BI-H

Heavy duty diagonal cutter, for safe work at heights

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5749

Advantages:

- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	B	A	C	
626960	160	23,5	10	20,5	230
626961	180	28	11	20	323

cutting capacity (10N=1kg)

SKU	L	max 2150 N/mm² Ø i	max 650 N/mm² Ø i
626960	160	1,6	2,5
626961	180	1,8	3,0

466/1VDP-H

Heavy duty diagonal cutter, for safe work at heights

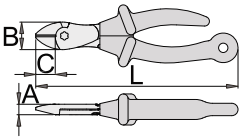
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- surface finish: chrome plated according to ISO 1456:2009
- made according to standard ISO 5749 and EN IEC 60900

Advantages:

- handles are insulated with double layered - double coloured insulation for additional safety
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- tool weight is marked on each tool

Important!

- if second layer is visible, replace your insulated tool with a new one.
- Insulated tool is not designed for use with carabiners, but with a lanyard with a cord.



SKU	⟷	L	B	A	C	
626964	180	215	28	11	21	276

cutting capacity (10N=1kg)

SKU	⟷	max 2150 N/mm² Ø i	max 650 N/mm² Ø i
626964	180	1,8	3,0

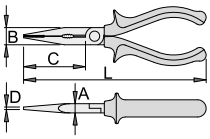
508/1BI-H

Long nose pliers with side cutter and pipe grip, straight, for safe work at heights

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745

Advantages:

- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	A	B	C	D	
626189	200	9	17	77	2,5	205

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
626189	200	1,8	2,5

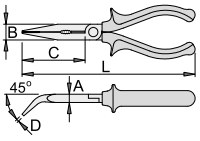
512/1BI-H

Long nose pliers with side cutter and pipe grip, bent, for safe work at heights

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745

Advantages:

- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- jaws bent to an angle of 45°
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip



SKU	L	A	B	C	D	
626962	170	9	17	61	2,5	156
626192	200	9	17	77	2,5	205

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
626962	170	1,6	2,0
626192	200	1,8	2,5

514/1BI-H

Multifunctional electrician`s pliers, for safe work at heights

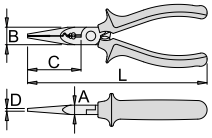
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles

Advantages:

- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- 7 different functions
- multi-toothed jaw
- ergonomically shaped handle
- Extra strong grip - the design and shape of the handles give the hand more leverage during use, enabling more stability and safer transmission of force.
- high durability
- Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.

Usage:

- The ground part of the jaw is intended for gripping objects with sensitive surfaces.
- The pliers can be used for crimping insulated spade terminals.
- Stripping off insulations from Ø 2.2 mm to Ø 3.0 mm.
- Stripping off insulations from Ø 3.5 mm to Ø 4.0 mm.
- Cutting wires from Ø 2.2 mm to Ø 4.0 mm.
- Crimping cable terminals up to Ø 4.0 mm.



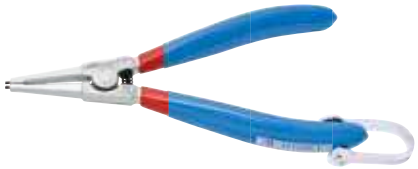
SKU	L	A	B	C	D	
626259	160	9	16	49	2,5	148

cutting capacity (10N=1kg)

SKU	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
626259	160	1,6	2,0

532PLUS/1DP-H

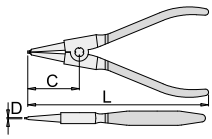
External lock rings pliers, straight, for safe work at heights



- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- tips black finish
- double plastic dipped handles
- made according to standard DIN 5254 form A

Advantages:
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- 30% higher endurance in comparison to convenient lock rings pliers
- with inserted tips
- for diameter 3 to 100mm

Usage:
- for fitting circlips on shafts



SKU	L	♀	D	C	
626386	180	19 - 60	1,8	52	205

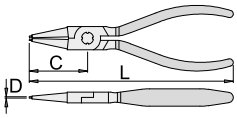
536PLUS/1DP-H

Internal lock rings pliers, straight, for safe work at heights

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated according to ISO 1456:2009
- tips black finish
- double plastic dipped handles
- made according to standard DIN 5256 form C

Advantages:
- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- 30% higher endurance in comparison to convenient lock rings pliers
- with inserted tips
- for diameter 8 to 100mm

Usage:
- for fitting circlips on shafts



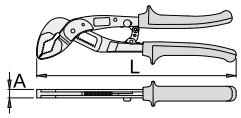
SKU	L	♀	D	C	
626387	180	19 - 60	1,8	52	189

442/1HYPO-H

Variable joint "HYPO" pliers, for safe work at heights

- material: premium chrome vanadium steel
- working surfaces induction hardened
- heavy duty double - component handles
- drop forged, entirely hardened and tempered

Advantages:
- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- The Hypo pliers are self-adjusting for which it is not necessary to preset the width of the jaws.
- one hand self-adjusting operation
- The pliers adapt perfectly to the work piece.
- maximum jaw aperture up to Ø40 mm.
- The locking mechanism enables easier storage when the pliers are not in use.



SKU	L	A	Ø max	
626244	240	9	40	405

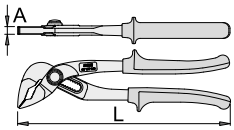
447/1HPP-H

Waterpump pliers, for safe work at heights

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- surface finish: chrome plated according to ISO 1456:2009
- heavy duty double - component handles

Advantages:

- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- Toothed jaw is designed to ensure optimum grip of an object.
- Jaw aperture adjustable in 10 positions.
- Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, work safety, and greater effectiveness.
- Work: due to the slim construction, the jaws enable one-handed work in difficult-to-reach places
- Ergonomics: handles are designed to fully adjust to the user`s hand and so enable greater handling and work safety



SKU	L	A	Omax	
626343	240	8,5	40	406

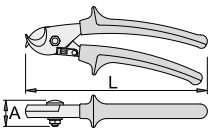
580/1BI-H

Cable shears, for safe work at heights

- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to ISO 1456:2009
- head polished
- heavy duty double - component handles

Advantages:

- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	A	Øi	
626202	230	22	17	458

425/4B-H

Crimping pliers, for safe work at heights

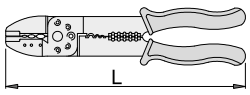
- material: premium plus carbon steel
- entirely hardened and tempered
- heavy duty plastic handles

Usage:

- for insulated and closed non-insulated terminals (1,5-6mm^2), for cutting cables, screws and stripping insulation

Advantages:

- In order to ensure the highest level of safety, the riveted metal ring is not mounted only through the plastic handles but is attached through the metal part of the tool handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	mm²	L	
626110	1,5 - 6	240	312

1109

Snap carabiner with screw

- surface finish: zinc plated
- with lock ring
- carabiner 6 x 60 not for use with tools over 0,8 kg
- not suitable for personal protection

SKU	⟷	
627336	6 x 60	29
627337	8 x 80	66

1110

Tool keeper

- length up to 107 cm/42"
- maximum load 1.6 kg
- retraction force 0.2 kg
- retraction preventer
- not suitable for personal protection

SKU	Li	⟷	
627338	1070	1,07 m/1,6 kg	112

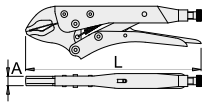
MADE FOR WORK.

429/3-H

Universal lock - grip pliers, for safe work at heights

- jaws drop forged from premium plus carbon steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw phosphated
- symmetric jaws

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L	A	Omax	
626163	250	12	35	587
626263	300	14	40	1017

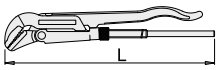
481/6-H

Pipe wrench 45°, Swedish pattern, for safe work at heights

- material: premium chrome vanadium steel
- drop forged, entirely hardened and tempered
- made according to standard DIN 5234 form B

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.

Usage:
- grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges



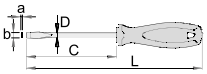
SKU	"	Omax	L	
626111	2"	70	555	2402

605TBI-H

Flat screwdriver TBI, for safe work at heights

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, black anodised tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN ISO 2380-1:2006 and DIN ISO 2380-2:2006

Advantages:
- Rotating metal ring is ergonomically designed and prevents twisting of the lanyard.
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	axb	C	L	D	
626233	0,4 x 2,5	75	160	2,5	34
626234	0,5 x 3,0	80	165	3	40
626235	0,8 x 4,0	100	185	4	41
626236	1,0 x 5,5	125	225	5,5	79
626237	1,2 x 6,5	150	260	6	103
626238	1,2 x 8,0	175	295	7	164
626239	1,6 x 10,0	200	320	8	195

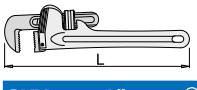
492AL-H

Heavy duty pipe wrench AL, for safe work at heights

- material: premium plus carbon steel
- jaws entirely hardened and tempered, teeth additionally induction hardened
- adjustable upper jaw

Usage:
- grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	L"	"	Omax	L	
626119	14"	2"	60	330	999
626120	18"	2.1/2"	76	410	1640

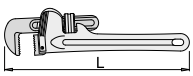
492/6-H

Heavy duty pipe wrench, for safe work at heights

- material: premium chrome vanadium steel
- jaws entirely hardened and tempered, teeth additionally induction hardened
- replaceable jaws, phosphated
- adjustable upper jaw
- handle lacquered

Usage:
- grip, rotation or bolting of round or multi-edged pipes, nuts, and flanges

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



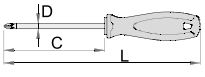
SKU	L"	"	Omax	L	
626113	10"	1.1/2"	49	250	760

615TBI-H

Crosstip (PH) screwdriver TBI, for safe work at heights

- blade: premium hard chrome vanadium steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2

Advantages:
- Rotating metal ring is ergonomically designed and prevents twisting of the lanyard.
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



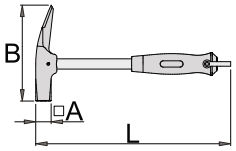
SKU	+	C	L	D	
626241	PH 1	80	180	4	65
626242	PH 2	100	210	6	94
626243	PH 3	150	270	8	176

805A-H

Carpenters` hammer with magnet, for safe work at heights

- material: premium flex plus carbon steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- chrome plated metal tubular handle with plastic grip
- made according to standard DIN 7239

Advantages:
- with magnet
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



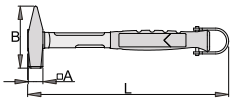
SKU	gr	A	L	B	
626164	550	27	320	168	822

812-H

Locksmiths' hammer, for safe work at heights

- material: premium flex plus carbon steel
- drop forged
- striking face and nose induction hardened

Advantages:
- Reinforced handle with 2 spring steel bars running all the way through the handle.
- Special bonding process ensures that the head never comes loose from the handle.
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- Ergonomic rubber grip handle absorbs shock & vibration.



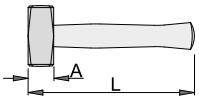
SKU	gr	A	L	B	
627543	500	28	330	118	950

817-H

Club hammer, for safe work at heights

- material: premium flex plus carbon steel
- drop forged
- striking faces induction hardened

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.
- Ergonomic rubber grip handle absorbs shock & vibration.
- Special bonding process ensures that the head never comes loose from the handle.
- Reinforced handle with 4 spring steel bars running all the way through the handle. Bars locked into the hammer head ensure that the head never becomes dislodged.



SKU	gr	A	L	
627542	1800	40	300	2356

1108DB

Tool lanyards leadingedge TL-E-DB

- maximum load 5 kg
- elastic stretches to 1.9 m
- attachment cord on one end, suitable for use with insulated tools
- not suitable for personal protection

SKU		L	L1	
627334	1 m/5 kg	1000	1900	107

1108DD

Tool lanyard leadingedge TL-E-DD

- maximum load 5 kg
- elastic stretches to 1.9 m
- metal ring on both ends
- not suitable for personal protection

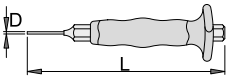
SKU		L	L1	
627335	1 m/5 kg	1000	1900	108

641/6HS-H

Pin punch with handle, for safe work at heights

- material: premium chrome vanadium steel
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- ergonomic heavy duty double component handle
- made according to standard DIN 6450

Advantages:
- Rotating metal ring is ergonomically designed and prevents twisting of the lanyard.
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	D	L		
626327	2	150	10	81
626328	3	150	10	76
626329	4	150	10	79
626330	5	150	10	83
626331	6	150	10	86
626332	8	150	12	99

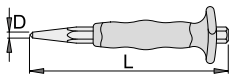
MADE FOR WORK.

642/6HS-H

Centre punch with handle, for safe work at heights

- material: premium chrome vanadium steel
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- ergonomic heavy duty double component handle
- made according to standard DIN 7250

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



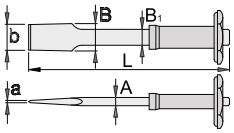
SKU	D	L	⬢	
626342	5	120	12	83

666/6AHS-H

Slitting chisel with guard, for safe work at heights

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



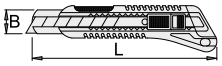
SKU	L	axb	B	
626196	240	3 x 28	28	459

556A-H

Utility knife, for safe work at heights

- double component handle
- 3 exchangeable snap-off blades inside the handle for 627548 and 616853
- blade with 13 snap-off blades
- blade from high alloy steel

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



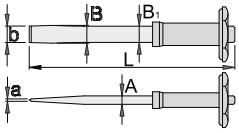
SKU	L	B	
626289	160	18	99

660/6HS-H

Flat chisel with guard, for safe work at heights

- material: premium chrome vanadium steel
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6453

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



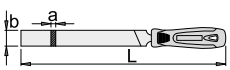
SKU	L	axb	B	
626195	250	4 x 26	24	615

760HB-H

Flat file with handle, bastard, for safe work at heights

- material: premium hard plus carbon steel
- all files have second cut

Advantages:
- non-removable riveted metal ring
- tool weight is marked on each tool
- the rings on the tools are large enough to accept 2 carabiners
- Unior's tools for working at heights have been designed to preserve the tools' basic functions, ergonomics and utility, or to reduce them to the smallest possible extent.



SKU	⟷	L	axb	
626260	300	425	6,5 x 30	546

1107

Tool belt

- three-point secure release/closure
- belt adjustable to max. 114 cm/45"
- maximum load 30 kg
- 6 metal rings
- comfortable when loaded
- not suitable for personal protection

SKU	L⁻	
627332	114	255

1108DS

Tool lanyards leadingedge TL-E-DS

- maximum load 5 kg
- elastic stretches to 1.9 m
- rotating metal ring on working end
- not suitable for personal protection

SKU	⟷	L	L1	
627333	1 m/5 kg	1000	1900	132

UNIOR®
HAND TOOLS

SET OF TOOLS

For domestic and professional users!

Tool sets are the right choice when we know that we'll need a specially adapted or a standard tool set for every occasion and type of work. They are suitable for both domestic and professional users, so we offer everything from classic to more advanced sets, and their thoughtful composition enables complete adaptability to the needs of our customers and their wishes. It is certainly a high quality, meaningful and cost-effective choice of tools.

FOR BEGINNERS AND EXPERTS

Sets with different types of wrenches, pliers, screwdrivers, files, hammers, punchers and chisels, as well as other tools, are an excellent choice for experienced craftsmen of their profession, just as they are the right choice for beginners.

ATTRACTIVE SELECTION

The composition of the various kits is based on continuing collaboration with local professional users of Unior tools. Pre-prepared kits take into account the needs of each activity. They are a high-quality, meaningful and cost-effective selection of tools.

A SIMPLE CHOICE

An industry-specific toolkit makes it easy to choose and buy the specific accessories you need in your work. Electricians, car mechanics, bodywork mechanics, computer technicians and others can trust in Unior's experience.

COMPLETE SERVICE SOLUTIONS **325 - 333**

TOOL SETS IN SOS TOOL TRAY **334 - 347**

TOOL SETS **348 - 351**

SOS tool trays – advantages:

The SOS tool trays are made from dual-layered foamed polyethylene, which is resistant to grease, petrol, oil, nitro diluents, adesives and motor oil – all of which can easily be removed without leaving any visible residue (stains). Adhesives and motor oil need to be removed immediately by cleaning with petrol in order to avoid permanent staining.

Material

Low density polyethylene foam.

These tool trays of polyethylene foam are used for clearer and better organised tool storage in tool boxes, tool cases, the drawers of tool carriages and tool cabinets. This storage is known as the SOS SYSTEM. These tool trays can be used in a wide range of temperatures, do not absorb dampness and, with normal use, have a long lifespan. They protect the tools by holding them in their own specifically designed place, thus preventing them from moving uncontrollably around in the storage area. As the positions in the tray are precisely defined and designed for each specific tool, it is also easy to establish which tools are missing.

SOS System

S - Safety (Safety)
O - Order (Order)
S - Survey (Survey)

1011AEV6

Tool set with tool carriage 940EV6

SKU	
621756	318
1011A, 940EV6 (800x440x923)	

964/28SOS

SKU	
621387	52

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **120/1** (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **220/3SPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TXPH** (TR8 - TR40x9), **VL964/28SOS** (564x364x30)

964/29ASOS

SKU	
623932	28

215/2 (6 x 7, 8 x 10, 13 x 17, 19 x 22, 24 x 27, 30 x 32), **215.1/2** (6 - 17, 18 - 32), **182/2BTX** (E6 x E8, E10 x E12, E14 x E18, E20 x E24), **183/2** (8 x 10, 10 x 11, 11 x 13, 12 x 14, 16 x 18, 17 x 19, 19 x 22, 22 x 24, 24 x 27, 30 x 32), **202/1** (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19), **VL964/29ASOS** (564x364x30)

964/33SOS

SKU	
621392	30

605TBI (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x 6.5x150, 1.6x8.0x175), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **626TBI** (PH 1x25, PH 2x25), **627TBI** (1.0 x 5.5x25, 1.2 x 6.5x25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **629TBI** (6, 7, 8, 9, 10, 11, 12, 13), **VL964/33SOS** (564x364x30)

964/34SOS

SKU	
621393	18

193HXS (2.5, 3, 4, 5, 6, 8, 10), **193TX** (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), **760H1/2S** (200), **764H1/2S** (200), **556B** (160x18), **VL964/34SOS** (564x364x30)

1011A

› Basic tool set for maintenance in car repair workshops, agro services and maintenance in the industry.

SKU	
621397	317
964/28SOS, 964/29ASOS, 964/32ASOS, 964/30SOS, 964/31SOS, 964/33SOS, 964/34SOS	

964/32ASOS

SKU	
623936	14

406/1BI (180), **430/3** (250), **447/1HPP** (240), **466/1BI** (180), **514/1BI** (160), **512/1BI** (200), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **642/6** (5), **660/6** (200), **812** (400), **820A** (40), **VL964/32ASOS** (564x364x30)

964/30SOS

SKU	
621389	96

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **238/1 6P** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238.1/1FBI** (3/8"), **238.2/1BI** (3/8"), **238.3/1** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **238.4/1** (3/8"x125, 3/8"x250), **238.6/1** (3/8"), **238.7/1** (3/8" - 1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2"), **VL964/29ASOS** (564x364x30)

964/31SOS

SKU	
621390	79

192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **192/2TXL** (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **191/1** (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), **192/2ZX** (M 5, M 6, M 8, M 10, M 12, M 14), **192/2ZXL** (M 6, M 8, M 10, M 12, M 14), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14), **192/2HXL** (5x100, 6x100, 7x100, 8x100, 10x100, 12x100), **190/1 12P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), **186.4/2** (16, 19, 21), **641/6** (2, 3, 4, 5, 6, 8), **263** (1/2"/40-200 Nm), **VL964/31SOS** (564x364x30)

1011BEV4

Tool set with tool carriage 940EV4

SKU	
621757	184
1011B, 940EV4 (800x440x923)	

1011B

› Basic tool set for maintenance in car repair workshops and maintenance in the industry.

SKU	
621398	184
964/32ASOS, 964/35SOS, 964/36SOS, 964/37SOS	

964/32ASOS

SKU	
623936	14

406/1BI (180), **430/3** (250), **447/1HPP** (240), **466/1BI** (180), **514/1BI** (160), **512/1BI** (200), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **642/6** (5), **660/6** (200), **812** (400), **820A** (40), **VL964/32ASOS** (564x364x30)

964/36SOS

SKU	
621395	88

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **191/1** (E 10, E 11, E 12, E 14), **192/2HX** (6, 7, 8, 9, 10, 12), **192/2TX** (TX 30, TX 40, TX 45, TX 50), **192/2ZXL** (M 6, M 8, M 10, M 12), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2") **VL964/36SOS** (564x364x30)

964/37SOS

SKU	
621396	28

605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.6 x 8.0x175), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **626TBI** (PH 1x25, PH 2x25), **627TBI** (1.0 x 5.5x25, 1.2 x 6.5x25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **193HXS** (3, 4, 5, 6, 8, 10), **VL964/37SOS** (564x364x30)

964/35SOS

SKU	
621394	54

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **120/1** (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), **183/2** (8 x 10, 10 x 11, 11 x 13, 12 x 14, 17 x 19, 19 x 22), **220/3SPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TXPH** (TR8 - TR40x9), **VL964/28SOS** (564x364x30)

UNIOR® HAND TOOLS

1011DEV6

Tool setwith tool carriage 940EV6

SKU	
624138	231
1011D, 940EV6 (800x440x923)	

1011D

› Basic tool set for maintenance in car repair workshops and maintenance in the industry.

SKU		
623928		230
964/28SOS, 964/29ASOS, 964/30SOS, 964/33SOS, 964/48SOS, 964/49SOS		

964/28SOS

SKU	
621387	52

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **120/1** (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **220/3SPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TXPH** (TR8 - TR40x9), **VL964/28SOS** (564x364x30)

964/48SOS

SKU	
623989	11

405/1BI (180), **430/3** (250), **447/1HPP** (240), **466/1BI** (180), **508/1BI** (170), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **582/3P** (145), **819A** (45), **VL964/48SOS** (564x364x30)

964/33SOS

SKU	
621392	30

605TBI (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x 6.5x150, 1.6x8.0x175), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **626TBI** (PH 1x25, PH 2x25), **627TBI** (1.0 x 5.5x25, 1.2 x 6.5x25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **629TBI** (6, 7, 8, 9, 10, 11, 12, 13), **VL964/33SOS** (564x364x30)

964/29ASOS

SKU	
623932	28

215/2 (6 x 7, 8 x 10, 13 x 17, 19 x 22, 24 x 27, 30 x 32), **215.1/2** (6 - 17, 18 - 32), **182/2BTX** (E6 x E8, E10 x E12, E14 x E18, E20 x E24), **183/2** (8 x 10, 10 x 11, 11 x 13, 12 x 14, 16 x 18, 17 x 19, 19 x 22, 22 x 24, 24 x 27, 30 x 32), **202/1** (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19), **VL964/29ASOS** (564x364x30)

964/49SOS

SKU	
623990	13

300/2C (320), **556A** (160x18), **701** (0.05 - 1x20), **710P** (3m), **753P** (150), **760H1/2S** (200), **761H1/2S** (200), **763H1/2S** (200), **764H1/2S** (200), **812** (400), **820A** (40), **2035, 2087** (1kg), **VL964/49SOS** (564x364x30)

964/30SOS

SKU	
621389	96

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **238/1 6P** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238.1/1FBI** (3/8"), **238.2/1BI** (3/8"), **238.3/1** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **238.4/1** (3/8"x125, 3/8"x250), **238.6/1** (3/8"), **238.7/1** (3/8" - 1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2"), **VL964/29ASOS** (564x364x30)

1011CEV4

Tool set with tool carriage 940EV4

SKU	
624137	127

940EV4, 964/46SOS, 964/47SOS, 964/48SOS, 964/49SOS

964/46SOS

SKU	
623987	36

120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24), **220/3PH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **605TBI** (0.4 x 2.5x75, 0.5 x 3.0x80, 0.6 x 3.5x100, 0.8 x 4.0x100, 1.2 x 6.5x150, 1.2 x 8.0x175), **615TBI** (PH 1x80, PH 2x100), **627TBI** (1.0 x 5.5x25), **626TBI** (PH 2x25), **VL964/46SOS** (564x364x30)

964/47SOS

SKU	
623988	67

188/2 6P (5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14), **187/2HX** (3, 4, 5, 6, 7), **187/2PH** (PH 1, PH 2), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **188.1/1ABI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x150, 1/4"x55), **188.6/2** (1/4"), **188.8** (1/4"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32), **190.1/1ABI** (1/2"), **190.3/1** (1/2"), **190.4/1S** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **641/6** (3, 4, 5, 6), **642/6** (5), **660/6** (150, 200) **VL964/47SOS** (564x364x30)

964/48SOS

SKU	
623989	11

405/1BI (180), **430/3** (250), **447/1HPP** (240), **466/1BI** (180), **508/1BI** (170), **532PLUS/1DP** (180x19-60), **534PLUS/1DP** (180x19-60), **536PLUS/1DP** (180x19-60), **538PLUS/1DP** (180x19-60), **582/3P** (145), **819A** (45), **VL964/48SOS** (564x364x30)

964/49SOS

SKU	
623990	13

300/2C (320), **556A** (160x18), **701** (0.05-1x20), **710P** (3m), **753P** (150), **760H1/2S** (200), **761H1/2S** (200), **763H1/2S** (200), **764H1/2S** (200), **812** (400), **820A** (40), **2035, 2087** (1kg), **VL964/49SOS** (564x364x30)

1011FPLUS1

Tool set with tool carriage 920PLUS1

SKU	
625594	290

920PLUS1 (810x510x945), **964/31SOS, 964/32ASOS, 964/33SOS, 964/28SOS, 964/34SOS, 964/30SOS**

964/28SOS

SKU	
621387	52

110/1 (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32), **120/1** (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32), **220/3SPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TXPH** (TR8-TR40x9), **VL964/28SOS** (564x364x30)

964/30SOS

SKU	
621389	96

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.6/2** (1/4"), **188.7/2** (1/4"-3/8"), **188.8** (1/4"), **238/1 6P** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238.1/1FBI** (3/8"), **238.2/1BI** (3/8"), **238.3/1** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **238.4/1** (3/8"x125, 3/8"x250), **238.6/1** (3/8"), **238.7/1** (3/8"-1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2"), **VL964/29ASOS** (564x364x30)

964/31SOS

SKU	
621390	79

192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **192/2TXL** (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **191/1** (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), **192/2ZX** (M 5, M 6, M 8, M 10, M 12, M 14), **192/2ZXL** (M 6, M 8, M 10, M 12, M 14), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14), **192/2HXL** (5x100, 6x100, 7x100, 8x100, 10x100, 12x100), **190/1 12P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), **186.4/2** (16, 19, 21), **641/6** (2, 3, 4, 5, 6, 8), **263** (1/2"/40-200 Nm), **VL964/31SOS** (564x364x30)

964/32ASOS

SKU	
623936	14

406/1BI (180), **430/3** (250), **447/1HYPO** (240), **466/1BI** (180), **514/1BI** (160), **512/1BI** (200), **532PLUS/1DP** (180x19-60), **534PLUS/1DP** (180x19-60), **536PLUS/1DP** (180x19-60), **538PLUS/1DP** (180x19-60), **642/6** (5), **660/6** (200), **812** (400), **820A** (40), **VL964/32ASOS** (564x364x30)

964/33SOS

SKU	
621392	30

605TBI (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.6x8.0x175), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **626TBI** (PH 1x25, PH 2x25), **627TBI** (1.0 x 5.5x25, 1.2 x 6.5x25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **629TBI** (6, 7, 8, 9, 10, 11, 12, 13), **VL964/33SOS** (564x364x30)

964/34SOS

SKU	
621393	18

193HXS (2.5, 3, 4, 5, 6, 8, 10), **193TX** (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), **760H1/2S** (200), **764H1/2S** (200), **556B** (160x18), **VL964/34SOS** (564x364x30)

Tool set with tool carriage 940ECO

SKU	
625595	92
940ECO (700x355x890), **964ECO2A, 964ECO6, 964ECO9, 964ECO19, 964ECO5**	

964ECO2A

SKU		
621288	8 - 24	12

120/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), **VL964ECO2A** (498x135x30)

964ECO6

SKU	
621291	4

406/1BI (180), **461/1BI** (160), **514/1BI** (160), **445/1BI** (240), **VL964ECO6** (498x135x30)

964ECO9

SKU	
621292	8

605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), **615TBI** (PH 0x60, PH 1x80, PH 2x100), **625TBI** (PZ 2x100), **VL964ECO9** (498x135x30)

964ECO19

SKU		
621294	10 - 32	23

190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2"), **VL964ECO19** (498x135x30)

964ECO5

SKU	
621290	45

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2PH** (PH 1, PH 2, PH 3), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x150, 1/4"x55), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **VL964ECO5** (498x135x30)

1012A

Set of tools for servicing heavy machinery and vehicles

› Tool set offers all the necessary tool for maintenance of the agricultural machines.

SKU	
623942	184
964/28SOS, 964/33SOS, 964/50SOS, 964/51SOS, 964/52SOS, 964/53SOS, 940EV6 (800x440x923)	

964/28SOS

SKU	
621387	52

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **120/1** (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **220/3SPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TXPH** (TR8 - TR40 x 9), **VL964/28SOS** (564x364x30)

964/33SOS

SKU	
621392	30

605TBI (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x 6.5x150, 1.6x8.0x175), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **626TBI** (PH 1x25, PH 2x25), **627TBI** (1.0 x 5.5x25, 1.2 x 6.5x25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **629TBI** (6, 7, 8, 9, 10, 11, 12, 13), **VL964/33SOS** (564x364x30)

964/50SOS

SKU	
623991	57

190.1/1ABI (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190/1L12P** (10, 13, 17, 19, 22, 24), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14, 17), **220/3PH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **641/6** (2, 3, 4, 5, 6, 8), **642/6** (4), **660/6** (150), **670/6** (150), **VL964/50SOS** (564x364x30)

964/51SOS

SKU	
623992	14

406/1BI (180), **430/3** (250), **445/1BI** (24), **466/1BI** (180), **508/1BI** (200), **512/1BI** 200), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **812** (400) **642/6** (5), **660/6** (200), **820** (40), **VL964/51SOS** (564x364x30)

964/52SOS

SKU	
623993	8

812 (800, 1000), **300/2** (400, 500), **750B** (400), **760H1/2S** (200), **763H1/2S** (200), **556A** (160x18), **VL964/52SOS** (564x364x30)

964/53SOS

SKU	
623995	22

197.1/1 (3/4"x500), **197.3/1** (3/4"), **197.4/1** (3/4"x200, 3/4"x400), **197/1 6P** (22, 24, 27, 30, 32, 36, 38, 41, 46, 50), **197/2AHX** (14, 17, 19, 22), **197.7/1** (3/4" - 1/2"), **190.7/2** (1/2"x3/4"), **2035, 2087** (1kg), **VL964/53SOS** (564x364x30)

UNIOR

1015A

Set of tools for air-conditions

› Designed for basic assembling and maintenance of the air conditioners.

SKU	
623947	52

120/1 (10, 13, 17, 19), **160/2** (10, 13, 17), **190/1 6P** (17, 19), **190/1L12P** (13, 17), **190.1/1ABI** (1/2"), **190.4/1** (1/2"x125), **220FH** (2.5, 3, 4, 5, 6, 8, 10), **220/3LPH**, **250/1** (150), **250/1ADP** (200, 250), **358/6A** (3 - 16x1/8" - 5/8"), **360/6A** (3 - 35x1/8" - 1.3/8"), **363A** (3- 42), **385H** (4 - 28), **406/1BI** (180), **429/3** (175), **461/1BI** (160), **466/1BI** (180), **580/1BI** (170), **603CS6VDETBI**, **626TBI** (PH 1x25, PH 2x25), **630VDE** (0.6 x 3.5x180), **556A** (160x18), **710P** (5m), **812** (300), **753P** (150), **2084** (240), **1250** (400), **2042/2** (115), **917A** (514x280x260)

1013C

Set of tools for plumbers, basic

› The set provides you with all the basic tools you need when working. It is packed in a handy bag where you can arrange the tool pieces in a visible way, as there are many pouches available. The bag is made of durable textiles and can be carried by handles or strap, allowing for hands-free carrying.
› set include one carpenter`s pencil

SKU	
628822	29

1112 (510x280x310), **220/3SPH, 360/6A** (3 - 35x1/8" - 1.3/8"), **508/1BI** (200), **447/1HPP** (240), **461/1BI** (160), **482/6** (1.1/2"), **531/4** (224), **563R/7PR** (280), **605TBI** (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), **615TBI** (PH 1x80, PH 2x100), **630VDE** (0.6 x 3.5x180), **710W** (2m), **753W** (150), **812** (500), **1299** (180), **1250** (300), **2035**

1016B

Premium set for computer service

SKU		
627012	TX 6 - 150	39

406/4E (120), **461/4E** (115), **406/1BI** (180), **461/1BI** (160), **427/4DG**, **556B** (160x18), **626TBI** (PH 2x25), **627TBI** (0.8 x 4.0x25), **605E** (0.25 x 1.2x60, 0.23 x 1.5x60, 0.3 x 1.8x60, 0.4 x 2.5x75, 0.5 x 3.0x100, 0.5 x 3.0x150, 0.8 x 4.0x100, 0.8 x 4.0x150), **615E** (PH 000x60, PH 00x60, PH 0x60, PH 1x80), **625E** (PZ 0x60, PZ 1x80), **621E** (TX 6, TX 7, TX 8, TX 9, TX 10, TX 15, TX 20), **605TBI** (1.2 x 6.5x100), **615TBI** (PH 0x60, PH 1x80, PH 2x100), **633** (52), **820** (27), **760H1/2S** (150), **1343** (155), **2091A, 981PB4** (393x331x95)

1018A

Set of VDE tools, premium

› It is made for the most demanding high voltage work. The set is safely stored in a folder with handles, and larger pieces can be stored either in the side pouches or inside of a large ultra durable wheeled bag. The sturdy bag handle provides all the mobility you need.

SKU	
628819	48

1113 (460x270x400), **110/2VDEDP** (10, 13, 14, 17, 19, 22), **180/2VDEDP** (10, 13, 14, 17, 19, 22), **190.1AVDEDP** (1/2"), **190.4/2VDEDP** (1/2"x125, 1/2"x250), **190.5/2VDEDP** (250), **190/2LVDEDP** (10, 11, 12, 13, 14, 17, 19, 22, 24), **385AVDEDP** (180), **385H** (4 - 28), **406/1VDEBI** (180), **447/1VDEBI** (240), **466/1VDEBI** (180), **467SHARK/4DP** (250), **478/1VDEBI** (160), **514/1BI** (160), **580/1VDEBI** (230), **603VDETBI** (0.4 x 2.5x75, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), **613VDETBI** (PH1x80, PH2x100), **630VDE** (0.6 x 3.5x180), **1351V** (160 (6x))

964/1SOS

Set of open end wrenches in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 27x32

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621049	6 - 32	12

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **VL964/1SOS** (188x364x30)

964/1ASOS

Set of open end wrenches in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621050	6 - 32	12

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **VL964/1SOS** (188x364x30)

964/2SOS

Set of combinations wrenches in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 12x short combination wrench (article 125/1) dim. 8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621051	8 - 24	12

125/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), **VL964/2SOS** (188x364x30)

964/2ASOS

Set of combinations wrenches, long in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 12x long combination wrench (article 120/1) dim. 8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621052	8 - 24	12

120/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), **VL964/2ASOS** (188x364x30)

964/2BSOS

Set of combinations wrenches, IBEX in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 12x combination wrench IBEX (article 129/1) dim. 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 24

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621053	8 - 24	12

129/1 (8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 24), **VL964/2BSOS** (188x364x30)

964/2CSOS

Set of combinations wrenches, long in SOS tool tray

› Tool tray dimension: 374 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 26x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32

940E 940EV 920PLUS 2/3 374 x 364 x 30

SKU		
621054	6 - 32	26

120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32), **VL964/2CSOS** (374x364x40)

964/2DSOS

Set of combination and hexagon wrenches, long in SOS tool tray

› Tool tray dimension: 374 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 18x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
› 9x hex wrench, long type (article 220/3L) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

940E 940EV 920PLUS 2/3
374 x 364 x 30

SKU		
621563		18

120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24), **220/3L** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **VL964/2DSOS** (374x364x30)

964/2FSOS

Set of short combinations wrenches in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 12x short combination wrench (article 125/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17

940E 940EV 920PLUS 1/3
188 x 364 x 30

SKU		
621908	6 - 17	12

125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17), **VL964/2FSOS** (188x364x30)

964/3SOS

Set of offset ring wrenches in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 8x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

940E 940EV 920PLUS 1/3
188 x 364 x 30

SKU		
621055	6 - 22	8

180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), **VL964/3SOS** (188x364x30)

964/4SOS

Set of offset ring wrenches in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 4x ring wrench (article 180/1) dim. 21x23, 24x27, 25x28, 30x32

940E 940EV 920PLUS 1/3
188 x 364 x 30

SKU		
621056	21 - 32	4

180/1 (21 x 23, 24 x 26, 25 x 28, 27 x 32), **VL964/4SOS** (188x364x30)

964/5SOS

Set of 1/4" socket wrenches with accessories in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 11x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
› 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
› 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1,0x5,5, 1,2x7)
› 1x reversible ratchet 1/4"
› accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor (1/4"-3/8")
› 1x spinner handle 1/4"

940E 940EV 920PLUS 1/3
188 x 364 x 30

SKU	
621057	45

187/2HX (3, 4, 5, 6, 7), **187/2PH** (PH 1, PH 2, PH 3), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **188/2 6P** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x150, 1/4"x55), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **VL964/5SOS** (188x364x30)

964/5S12SOS

Set of 1/4" socket wrenches with accessories in tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 11x socket 1/4", 12 point (article 188/2 12P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
› 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
› 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1,0x5,5, 1,2x7)
› 1x reversible ratchet 1/4"
› accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor (1/4"-3/8")
› 1x spinner handle 1/4"

940E 940EV 920PLUS | 1/3 | 188 x 364 x 30

SKU	
621185	45

188/2 12P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.3/2** (1/4"), **188.8** (1/4"), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **187/2PH** (PH 1, PH 2, PH 3), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **VL964/5S12SOS** (188x364x30)

964/6SOS

Set of BI pliers in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 1x combination pliers (article 406/1BI) dim. 180
› 1x diagonal cutting nippers (article 461/1BI) dim. 160
› 1x straight long nose pliers with side cutter and pipe grip (article 508/1BI) dim. 170

940E 940EV 920PLUS | 1/3 | 188 x 364 x 30

SKU	
621058	3

406/1BI (180), **461/1BI** (160), **508/1BI** (170), **VL964/6SOS** (188x364x30)

964/7SOS

Set of BI and grip pliers in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 1x double groove joint pliers (article 445/1BI) dim. 240
› 1x grip pliers (article 430/3) dim. 250

940E 940EV 920PLUS | 1/3 | 188 x 364 x 30

SKU	
621059	2

430/3 (250), **445/1BI** (240), **VL964/7SOS** (188x364x30)

964/8ASOS

Set of lock ring pliers in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 2x external lock rings pliers, straight and bent, dim. 180
› 2x internal lock rings pliers, straight and bent, dim. 180

940E 940EV 920PLUS | 1/3 | 188 x 364 x 30

SKU		
621061	19 - 60 - 180	4

532PLUS/1DP (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **VL964/7SOS** (188x364x30)

964/9SOS

Set of TBI screwdrivers in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 4x TBI flat screwdriver (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
› 3x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 0x60, PH 1x80, PH 2x100
› 1x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim.PZ 2x100

940E 940EV 920PLUS | 1/3 | 188 x 364 x 30

SKU	
621062	8

605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), **615/TBI** (PH 0x60, PH 1x80, PH 2x100), **625TBI** (PZ 2x100), **VL964/9SOS** (188x364x30)

964/9BSOS

Set of socket wrenches with TBI handle in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 6x socket wrench with TBI handle (article 629TBI) dim. 5.5, 6, 8, 10, 12, 13

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU	
621063	6

629TBI (5.5, 6, 8, 10, 12, 13), **VL964/9BSOS** (188x364x30)

964/9CSOS

Set of screwdrivers TBI with TX profile in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 8x TBI screwdriver with TX profile (article 621TBI) dim. TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU	
621560	8

621TBI (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), **VL964/9CSOS** (188x364x30)

964/9DSOS

Set of screwdrivers TBI in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 4x TBI screwdriver with TX profile (article 621TBI) dim. TX 6, TX 7, TX 8, TX 9
› 2x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 1x80, PH 2x100
› 2x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim. PZ 1x80, PZ 2x100

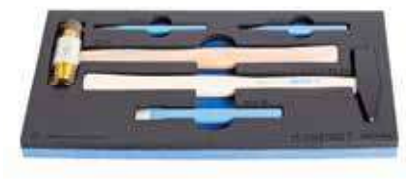
940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU	
621561	8

621TBI (TX 6, TX 7, TX 8, TX 9), **615TBI** (PH 1x80, PH 2x100), **625TBI** (PZ 1x80, PZ 2x100), **VL964/9DSOS** (188x364x30)

964/10SOS

Set of hammers and punches in SOS tool tray



› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 1x drift punch (article 640/6) in dim. 5
› 1x centre punch (article 642/6) in dim. 5
› 1x flat chisel (article 660/6) in dim. 150
› 1x locksmiths` hammer (article 812) in dim. 300
› 1x plastic hammer (article 820) dim. 32

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU	
621064	5

640/6 (5), **642/6** (5), **660/6** (150), **812** (300), **820** (400), **VL964/10SOS** (188x364x30)

964/13SOS

Set of ball-end hexagonal screwdrivers with T handle in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 6x T-handle ball-end hex wrench (article 193HXS) dim. 3, 4, 5, 6, 8, 10

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621067	3 - 10	6

193HXS (3, 4, 5, 6, 8, 10), **VL964/13SOS** (188x364x30)

964/13ASOS

Set of hexagonal screwdrivers with T handle in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 6x T-handle hex wrench (article 193HX) dim. 3, 4, 5, 6, 8, 10

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621068	3 - 10	6

193HX (3, 4, 5, 6, 8, 10), **VL964/13ASOS** (188x364x30)

964/14SOS

Set of screwdriver with TX profile and T handle in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- 6x TX profile screwdriver with T-handle (article 193TX) dim. TX 15, TX 20, TX 25, TX 27, TX 30, TX 40

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621069	TX 15 - TX 40	6

193TX (TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **VL964/14SOS** (188x364x30)

964/15SOS

Set of VDE BI tools in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- 1x combination pliers (article 406/1VDEBI) dim. 180
- 1x diagonal cutting nippers (article 461/1VDEBI) dim. 160
- 1x wire stripping pliers (article 478/1VDEBI) dim. 160
- 3x VDETBI electrician´s screwdriver with insulated blade (article 603VDETBI) dim. 0.4x2.5x75, 0.6x3.5x100, 1.0x5.5x125
- 2x VDETBI crosstip (PH) screwdriver with insulated blade (article 613VDETBI) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU	
621070	9

406/1VDEBI (180), **461/1VDEBI** (160), **478/1VDEBI** (160), **603VDETBI** (0.4 x 2.5x75, 0.6 x 3.5x100, 1.0 x 5.5x125), **613VDETBI** (PH1x80, PH2x100), **630VDE** (0.5 x 3.0x140), **VL964/15SOS** (188x364x30)

964/16SOS

Set of screwdriver socket wrenches TX profile in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- 9x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60
- 9x socket 1/2" with internal TX profile (article 191/1) dim. E10, E11, E12, E14, E16, E18, E20, E22, E24

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU	
621071	18

192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **191/1** (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), **VL964/16SOS** (188x364x30)

964/17SOS

Set of swivel end socket wrenches in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- 7x double swivel end socket wrench (article 202/1) dim. 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621072	8 - 22	7

202/1 (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), **VL964/17SOS** (188x364x30)

964/18ASOS

Set of offset socket wrenches in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- 10x double ended offset socket wrench (article 176) dim. 8, 10, 11, 12, 13, 14, 16, 17, 18, 19

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621073	8 - 19	10

176 (8, 10, 11, 12, 13, 14, 16, 17, 18, 19), **VL964/18ASOS** (188x364x30)

964/18BSOS

Set of offset socket wrenches in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- 10x double ended offset socket wrench (article 177) dim. 8, 10, 11, 12, 13, 14, 16, 17, 18, 19

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621074	8 - 19	10

177 (8, 10, 11, 12, 13, 14, 16, 17, 18, 19), **VL964/18BSOS** (188x364x30)

964/19SOS

Set of sockets 1/2" in SOS tool tray

- Tool tray dimension: 374 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 5x hex socket 1/2" (article 192/2HX) dim. 5, 6, 8, 10, 12
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

940E 940EV 920PLUS 2/3 374 x 364 x 30

SKU	
621075	29

190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"), **190.3/1** (1/2"), **190.4/1** (1/2"x250,1/2"x125), **190.6/2** (1/2"), **192/2HX** (5, 6, 8, 10, 12), **VL964/19SOS** (374x364x30)

964/19S12SOS

Set of sockets 1/2" in SOS tool tray

- Tool tray dimension: 374 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 18x socket 1/2", 12 point (article 190/1 12P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 5x hex socket 1/2" (article 192/2HX) dim. 5, 6, 8, 10, 12
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

940E 940EV 920PLUS 2/3 374 x 364 x 30

SKU	
621186	29

190/1 12P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **192/2HX** (5, 6, 8, 10, 12), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x125,1/2"x250), **190.6/2** (1/2"), **VL964/19S12SOS** (374x364x30)

964/22SOS

Tool set in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 9x hex socket 1/2" (article 192/2HX) dim. 5, 6, 7, 8, 9, 10, 12, 14, 17
- 9x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint
- 7x punch; pin punch (article 641/6 dim. 2, 3, 4, 5, 6, 8), centre punch (article 642/6 dim. 4)
- 2x chisel dim. 150; flat (artikel 660/6), cross (artikel 670/6)
- 9x hex wrench (article 220/3) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

940E 940EV 920PLUS 3/3 564 x 364 x 30

SKU	
621077	60

190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14, 17), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x250,1/2"x125), **190.6/2** (1/2"), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14, 17), **192/2TX** (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **641/6** (2, 3, 4, 5, 6, 8), **642/6** (4), **660/6** (150), **670/6** (150), **220/3PH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **VL964/22SOS** (564x364x30)

964/24SOS

Set of universal knife, saw and measuring tape in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 1x measuring tape (article 710P) dim. 5m
- 1x utility knife (article 556B) dim. 160x18
- 1x saw (article 753P) dim. 150

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU	
621079	3

710P (5m), **556B** (160x18), **753P** (150), **VL964/24SOS** (188x364x30)

964/25SOS

Set of sockets 3/8" in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 17x socket 3/8", 6 point (article 238/1 6P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
- 1x reversible ratchet 3/8"
- accessories 3/8"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint, 1x adaptor (3/8 - 1/2")

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621080	6 - 22	23

238/1 6P (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238.1/1ABI** (3/8"), **238.3/1**(3/8"), **238.4/1** (3/8"x250, 3/8"x125), **238.6/1** (3/8"), **238.7/1** (3/8" - 1/2"),**VL964/25SOS** (188x364x30)

964/26 1/2SSOS

Set of half smooth files in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- file with handle, half smooth, dim. 200 mm; 1x flat , 1x half-round, 1x three-square, 1x square, 1x round

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621082		5

760H1/2S (200), **761H1/2S** (200), **763H1/2S** (200), **764H1/2S** (200), **765H1/2S** (200), **VL964/26 1/2SSOS** (188x364x30)

964/26BSOS

Set of bastard files in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- file with handle, bastard, dim. 200 mm; 1x flat , 1x half-round, 1x three-square, 1x square, 1x round

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621081		5

760HB (200), **761HB**(200), **763HB** (200), **764HB** (200), **765HB** (200), **VL964/26BSOS** (188x364x30)

964/26SSOS

Set of smooth files in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- file with handle, smooth, dim. 200 mm; 1x flat , 1x half-round, 1x three-square, 1x square, 1x round

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621083	188 - 364 x 30	5

760HS (200), **761HS** (200), **763HS** (200), **764HS** (200), **765HS** (200), **VL964/26SSOS** (188x364x30)

964/27SOS

Set of ratchet combination wrenches in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- 10x ratchet combination wrench (article 160/2) dim. 8, 9, 10, 12, 13, 14, 16, 17, 18, 19

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
621084	8 - 19	10

160/2 (8, 9, 10, 12, 13, 14, 16, 17, 18, 19), **VL964/27SOS** (188x364x30)

964/27ASOS

Set of ratchet combination wrenches in SOS tool tray

- Tool tray dimension: 188 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- 6x ratchet combination wrench (article 160/2) dim. 8, 10, 13, 15, 17, 19
- 1x measuring tape (article 710R) dim. 5m

940E 940EV 920PLUS 1/3 188 x 364 x 30

SKU		
625732	8 - 19	7

160/2 (8, 10, 13, 15, 17, 19), **710/R** (5m), **VL964/27SOS** (188x364x30)

964/28SOS

Set of wrenches in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
- 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32
- 18x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27
- 12x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32
- 9x ball-end hex wrench (article 220/3S) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip
- 9x wrench with TX profile and hole (article 220/7TX) dim. TR 8, TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40 on plastic clip

940E 940EV 920PLUS 3/3 564 x 364 x 30

SKU		
621387		52

110/1 (6x7,8x9,10x11,12x13,14x15,16x17,18x19,20x22,21x23,24x27,25x28,30x32), **120/1** (6,7,8,9,10,11,13,14,15,16,17,18,19,20,21,22,24,27), **180/1** (6x7,8x9,10x11,12x13,14x15,16x17,18x19,20x22,21x23,24x26,25x28,27x32), **220/3SPH** (1.5,2,2.5,3,4,5,6,8,10), **220/7TXPH** (TR8-TR40x9), **VL964/28SOS** (564x364x30)

964/29ASOS

Set of wrenches in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 6x tubular box wrench (article 215/2) dim. 6x7, 8x10, 13x17, 19x22, 24x27, 30x32
- Rod (article 215.1/2) 1x dim. 230 (for tubular box wrench 6-17mm) and 1x dim. 330 (for tubular box wrench 18-32mm)
- 6x double swivel end socket wrench (article 202/1) dim. 8x9, 10x11, 12x13, 14x15, 16x17, 18x19
- 10x offset open ring wrench (article 183/2) dim. 8x10, 10x11, 11x13, 12x14, 16x18, 17x19, 19x22, 22x24, 24x27, 30x3

940E 940EV 920PLUS | 3/3 | 564 x 364 x 30

SKU	
623932	28

215/2 (6 x 7, 8 x 10, 13 x 17, 19 x 22, 24 x 27, 30 x 32), **215.1/2** (6 - 17, 18 - 32), **182/2BTX** (E6 x E8, E10 x E12, E14 x E18, E20 x E24), **183/2** (8 x 10, 10 x 11, 11 x 13, 12 x 14, 16 x 18, 17 x 19, 19 x 22, 22 x 24, 24 x 27, 30 x 32), **202/1** (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19), **VL964/29ASOS** (564x364x30)

964/30SOS

Set of socket wrenches with accessories in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 12x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
- 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
- 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1,0x5,5, 1,2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor (1/4"-3/8")
- 1x spinner handle 1/4"
- 17x socket 3/8", 6 point (article 238/1 6P) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
- 1x reversible ratchet 3/8"
- accessories 3/8"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint, 1x adaptor (3/8 - 1/2")
- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

940E 940EV 920PLUS | 3/3 | 564 x 364 x 30

SKU	
621389	96

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **238/1 6P** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238.1/1FBI** (3/8"), **238.2/1BI** (3/8"), **238.3/1** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **238.4/1** (3/8"x125, 3/8"x250), **238.6/1**(3/8"), **238.7/1** (3/8" - 1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2"), **VL964/29ASOS** (564x364x30)

964/31SOS

Set of hand tools in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 1x torque wrench (article 263) dim. 1/2"/40-200 Nm
- 9x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60
- 9x long screwdriver socket 1/2", with TX profile (article 192/2TXL) dim. TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55, TX60
- 9x socket 1/2" with internal TX profile (article 191/1) dim. E10, E11, E12, E14, E16, E18, E20, E22, E24
- 6x screwdriver socket 1/2", with ZX profile (article 192/2ZX) dim. M5, M6, M8, M10, M12, M14
- 5x long screwdriver socket 1/2", with ZX profile (article 192/2ZXL) dim. M6, M8, M10, M12, M14
- 8x hex socket 1/2" (article 192/2HX) dim. 5, 6, 7, 8, 9, 10, 12, 14
- 6x hex socket 1/2", long type (article 192/2HXL) dim. 5x100, 6x100, 7x100, 8x100, 10x100, 12x100
- 3x spark plug socket 3/8" (article 186.4/2) dim. 21, 19, 16
- 6x pin punch (article 641/6) dim. 2, 3, 4, 5, 6, 8)

940E 940EV 920PLUS | 3/3 | 564 x 364 x 30

SKU	
621390	79

192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **192/2TXL** (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **191/1** (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), **192/2ZX** (M 5, M 6, M 8, M 10, M 12, M 14), **192/2ZXL** (M 6, M 8, M 10, M 12, M 14), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14), **192/2HXL** (5x100, 6x100, 7x100, 8x100, 10x100, 12x100), **190/1 12P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), **186.4/2** (16, 19, 21), **641/6** (2, 3, 4, 5, 6, 8), **263** (1/2"/40-200 Nm), **VL964/31SOS** (564x364x30)

964/32SOS

Set of BI pliers and hammer in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 1x combination pliers (article 406/1BI) dim. 180
- 1x grip pliers (article 430/3) dim. 250
- 1x waterpump pliers (article 447/1HPP) dim. 240
- 1x Heavy duty diagonal cutting nippers (article 466/1BI) dim. 180
- 1x multifunctional electrician`s pliers (article 514/1BI) dim. 160
- 1x long nose pliers with side cutter and pipe grip, bent (article 512/1BI) dim. 200
- 2x external lock rings pliers, straight and bent, dim. 180
- 2x internal lock rings pliers, straight and bent, dim. 180
- 1x centre punch (article 642/6) in dim. 5
- 1x flat chisel (article 660/6) in dim. 200
- 1x locksmiths` hammer (article 812) dim. 400
- 1x bumping hammer (article 819A) v dim. 45

940E 940EV 920PLUS | 3/3 | 564 x 364 x 30

SKU	
621391	14

406/1BI (180), **430/3** (250), **442/1HYPO** (240), **466/1BI** (180), **508/1BI** (200), **512/1BI** (200), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **642/6** (5), **660/6** (200), **812** (400), **819A** (45), **VL964/32SOS** (564x364x30)

964/32ASOS

Set of BI pliers and hammer in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 1x combination pliers (article 406/1BI) dim. 180
- 1x grip pliers (article 430/3) dim. 250
- 1x waterpump pliers (article 447/1HPP) dim. 240
- 1x Heavy duty diagonal cutting nippers (article 466/1BI) dim. 180
- 1x multifunctional electrician`s pliers (article 514/1BI) dim. 160
- 1x long nose pliers with side cutter and pipe grip, bent (article 512/1BI) dim. 200
- 2x external lock rings pliers, straight and bent, dim. 180
- 2x internal lock rings pliers, straight and bent, dim. 180
- 1x centre punch (article 642/6) in dim. 5
- 1x flat chisel (article 660/6) in dim. 200
- 1x locksmiths` hammer (article 812) dim. 400
- 1x plastic hammer (article 820) in dim. 40

940E 940EV 920PLUS | 3/3 | 564 x 364 x 30

SKU	
623936	14

406/1BI (180), **430/3** (250), **447/1HYPO** (240), **466/1BI** (180), **514/1BI** (160), **512/1BI** (200), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **642/6** (5), **660/6** (200), **812** (400), **820A** (40), **VL964/32ASOS** (564x364x30)

964/33SOS

Set of screwdrivers in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 5x flat screwdriver TBI (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.6x8.0x175
- 4x crosstip (PH) screwdriver TBI (article 615TBI) dim. PH 0x60, PH 1x80, PH 2x100, PH 3x150
- 2x stubby flat screwdriver TBI (article 627TBI) dim. 1.0x5.5x25, 1.2x6.5x25
- 2x stubby crosstip (PH) screwdriver TBI (article 626TBI) dim. PH 1x25, PH 2x25
- 9x TBI screwdriver with TX profile (article 621TBI) dim. TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40
- 8x socket wrench with TBI handle (article 629TBI) dim. 6, 7, 8, 9, 10, 11, 12, 13

940E 940EV 920PLUS | 3/3 | 564 x 364 x 30

SKU	
621392	30

605TBI (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x 6.5x150, 1.6x8.0x175), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **626TBI** (PH 1x25, PH 2x25), **627TBI** (1.0 x 5.5x25, 1.2 x 6.5x25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **629TBI** (6, 7, 8, 9, 10, 11, 12, 13), **VL964/33SOS** (564x364x30)

964/34SOS

Set of screwdrivers with T handle in SOS tool tray

› Tool tray dimension: 564 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 7x T-handle ball-end hex wrench (article 193HXS) dim. 2.5, 3, 4, 5, 6, 8, 10
› 8x TX profile screwdriver with T-handle (article 193TX) dim. TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45
› 1x utility knife (article 556B) dim. 160x18
› file with handle, half smooth, dim. 200 mm; 1x flat , 1x three-square

940E 940EV 920PLUS 3/3
564 x 364 x 30

SKU	
621393	18

193HXS (2.5, 3, 4, 5, 6, 8, 10), **193TX** (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), **760H1/2S** (200), **764H1/2S** (200), **556B** (160x18), **VL964/34SOS** (564x364x30)

964/35SOS

Set of wrenches in SOS tool tray

› Tool tray dimension: 564 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 12x open end wrench (article 110/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32
› 18x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27
› 8x ring wrench (article 180/1) dim. 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22
› 6x offset open ring wrench (article 183/2) dim. 8x10, 10x11, 11x13, 12x14, 17x19, 19x22
› 9x ball-end hex wrench (article 220/3S) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip
› 9x wrench with TX profile and hole (article 220/7TX) dim. TR 8, TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40 on plastic clip

940E 940EV 920PLUS 3/3
564 x 364 x 30

SKU	
621394	54

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **120/1** (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), **183/2** (8 x 10, 10 x 11, 11 x 13, 12 x 14, 17 x 19, 19 x 22), **220/3SPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TPHX** (TR 8 - TR 40x9), **VL964/35SOS** (564x364x30)

964/36SOS

Set of socket wrenches with accessories in SOS tool tray

› Tool tray dimension: 564 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 12x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
› 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
› 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1,0x5,5, 1,2x7)
› 1x reversible ratchet 1/4"
› accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor (1/4"-3/8")
› 1x spinner handle 1/4"
› 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
› 4x screwdriver socket 1/2", with TX profile (article 192/2TX) dim. TX30, TX40, TX45, TX50
› 4x socket 1/2" with internal TX profile (article 191/1) dim. E10, E11, E12, E14
› 6x hex socket 1/2" (article 192/2HX) dim. 6, 7, 8, 9, 10, 12
› 4x long screwdriver socket 1/2", with ZX profile (article 192/2ZXL) dim. M6, M8, M10, M12
› 1x reversible ratchet 1/2"
› accessories 1/2"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

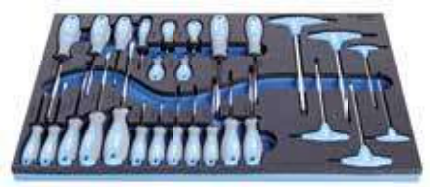
940E 940EV 920PLUS 3/3
564 x 364 x 30

SKU	
621395	88

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **191/1** (E 10, E 11, E 12, E 14), **192/2HX** (6, 7, 8, 9, 10, 12), **192/2TX** (TX 30, TX 40, TX 45, TX 50), **192/2ZXL** (M 6, M 8, M 10, M 12), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2") **VL964/36SOS** (564x364x30)

964/37SOS

Set of screwdrivers in SOS tool tray



› Tool tray dimension: 564 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 5x flat screwdriver TBI (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150, 1.6x8.0x175
› 4x crosstip (PH) screwdriver TBI (article 615TBI) dim. PH 0x60, PH 1x80, PH 2x100, PH 3x150
› 2x stubby flat screwdriver TBI (article 627TBI) dim. 1.0x5.5x25, 1.2x6.5x25
› 2x stubby crosstip (PH) screwdriver TBI (article 626TBI) dim. PH 1x25, PH 2x25
› 9x TBI screwdriver with TX profile (article 621TBI) dim. TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40
› 6x T-handle ball-end hex wrench (article 193HXS) dim. 3, 4, 5, 6, 8, 10

940E 940EV 920PLUS 1/3
188 x 364 x 30

SKU	
621396	28

605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.6 x 8.0x175), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **626TBI** (PH 1x25, PH 2x25), **627TBI** (1.0 x 5.5x25, 1.2 x 6.5x25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **193HXS** (3, 4, 5, 6, 8, 10), **VL964/37SOS** (564x364x30)

964/46SOS

Set of wrenches and screwdrivers in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 17x long combination wrench (article 120/1) dim. 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
- 9x hex wrench (article 220/3) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip
- 6x flat screwdriver TBI (article 605TBI) dim. 0.4x2.5x75, 0.5x3.0x80, 0.6x3.5x100, 0.8x4.0x100, 1.2x6.5x150, 1.2x8.0x175
- 2x crosstip (PH) screwdriver TBI (article 615TBI) dim. PH 1x80, PH 2x100
- 1x stubby flat screwdriver TBI (article 627TBI) dim. 1.0x5.5x25
- 1x stubby crosstip (PH) screwdriver TBI (article 626TBI) dim. PH 2x25

940E 940EV 920PLUS 3/3 564 x 364 x 30

SKU	
623987	36

120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24), **220/3PH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **605TBI** (0.4 x 2.5x75, 0.5 x 3.0x80, 0.6 x 3.5x100, 0.8 x 4.0x100, 1.2 x 6.5x150, 1.2 x 8.0x175), **615TBI** (PH 1x80, PH 2x100), **627TBI** (1.0 x 5.5x25), **626TBI** (PH 2x25), **VL964/46SOS** (564x364x30)

964/47SOS

Set of socket wrenches in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 11x socket 1/4", 12 point (article 188/2 12P) dim. 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 18x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2), flat (article 187/2SL dim. 0.8x4, 1,0x5,5, 1,2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint
- 1x spinner handle 1/4"
- 20x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint
- 4x pin punch (article 641/6) dim. 3, 4, 5, 6
- 1x centre punch (article 642/6) in dim. 5
- 2x flat chisel (article 660/6) in dim. 150, 200

940E 940EV 920PLUS 3/3 564 x 364 x 30

SKU	
623988	67

188/2 6P (5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14), **187/2HX** (3, 4, 5, 6, 7), **187/2PH** (PH 1, PH 2), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **188.1/1ABI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x150, 1/4"x55), **188.6/2** (1/4"), **188.8** (1/4"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32), **190.1/1ABI** (1/2"), **190.3/1** (1/2"), **190.4/1S** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **641/6** (3, 4, 5, 6), **642/6** (5), **660/6** (150, 200) **VL964/47SOS** (564x364x30)

964/48SOS

Set of BI pliers and hammer in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 1x combination pliers (article 406/1BI) dim. 180
- 1x grip pliers (article 430/3) dim. 250
- 1x waterpump pliers (article 447/1HPP) dim. 240
- 1x Heavy duty diagonal cutting nippers (article 466/1BI) dim. 180
- 1x straight long nose pliers with side cutter and pipe grip (article 508/1BI) dim. 170
- 2x external lock rings pliers, straight and bent, dim. 180
- 2x internal lock rings pliers, straight and bent, dim. 180
- 1x Electricians` scissors (article 582/3P) in dim. 145
- 1x bumping hammer (article 819A) v dim. 45

940E 940EV 920PLUS 3/3 564 x 364 x 30

SKU	
623989	11

405/1BI (180), **430/3** (250), **447/1HPP** (240), **466/1BI** (180), **508/1BI** (170), **532PLUS/1DP** (180x19-60), **534PLUS/1DP** (180x19-60), **536PLUS/1DP** (180x19-60), **538PLUS/1DP** (180x19-60), **582/3P** (145), **819A** (45), **VL964/48SOS** (564x364x30)

964/49SOS

Set of tools in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 1x measuring tape (article 710P) dim. 3m
- 1x utility knife (article 556A) dim. 160x18
- 1x saw (article 753P) dim. 150
- file with handle, half smooth, dim. 200 mm; 1x flat , 1x half-round, 1x three-square, 1x square, 1x round
- 1x locksmiths` hammer (article 812) dim. 400
- 1x plastic hammer (article 820) dim. 32
- 1x tyre lever with handle (article 300/2C) v dim. 320
- 1x feeler gauges (article 701) v dim. 0.05 - 1x20
- 1x brush for cleaning disk brake shoes (article 2035)
- 1x flexible pick up tool with magnet (article 2087)

940E 940EV 920PLUS 3/3 564 x 364 x 30

SKU	
623990	13

300/2C (320), **556A** (160x18), **701** (0.05 - 1x20), **710P** (3m), **753P** (150), **760H1/2S** (200), **761H1/2S** (200), **763H1/2S** (200), **764H1/2S** (200), **812** (400), **820A** (40), **2035, 2087** (1kg), **VL964/49SOS** (564x364x30)

964/50SOS

Set of socket wrenches in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint
- 5x socket 1/2", long type, 12 point (article 190/1L12P) dim. 10, 13, 17, 19, 22, 24
- 9x hex socket 1/2" (article 192/2HX) dim. 5, 6, 7, 8, 9, 10, 12, 14, 17
- 9x hex wrench (article 220/3) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip
- 6x pin punch (article 641/6) dim. 2, 3, 4, 5, 6, 8)
- 1x centre punch (article 642/6) in dim. 4
- 2x chisel dim. 150; flat (artikel 660/6), cross (artikel 670/6)

940E 940EV 920PLUS 3/3 564 x 364 x 30

SKU	
623991	57

190.1/1ABI (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190/1L12P** (10, 13, 17, 19, 22, 24), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14, 17), **220/3PH**, **641/6** (2, 3, 4, 5, 6, 8), **642/6** (4), **660/6** (150), **670/6** (150), **VL964/50SOS** (564x364x30)

964/51SOS

Set of BI pliers and hammer in SOS tool tray

- Tool tray dimension: 564 x 364 x 30 mm
- Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:

- 1x combination pliers (article 406/1BI) dim. 180
- 1x grip pliers (article 430/3) dim. 250
- 1x double groove joint pliers (article 445/1BI) dim. 240
- 1x Heavy duty diagonal cutting nippers (article 466/1BI) dim. 180
- 1x straight long nose pliers with side cutter and pipe grip (article 508/1BI) dim. 200
- 1x long nose pliers with side cutter and pipe grip, bent (article 512/1BI) dim. 200
- 2x external lock rings pliers, straight and bent, dim. 180
- 2x internal lock rings pliers, straight and bent, dim. 180
- 1x centre punch (article 642/6) in dim. 5
- 1x flat chisel (article 660/6) in dim. 200
- 1x locksmiths` hammer (article 812) dim. 400
- 1x plastic hammer (article 820) in dim. 40

940E 940EV 920PLUS 3/3 564 x 364 x 30

SKU	
623992	14

406/1BI (180), **430/3** (250), **445/1BI** (240), **466/1BI** (180), **508/1BI** (200), **512/1BI** (200), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **812** (400), **642/6** (5), **660/6** (200), **820** (40), **VL964/51SOS** (564x364x30)

964/52SOS

Set of tools in SOS tool tray

› Tool tray dimension: 564 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 2x locksmiths` hammer (article 812) in dim. 800, 1000
› 2x tyre lever (article 300/2) v dim. 400, 500
› 1x hacksaw frame (article 750B) dim. 400
› file with handle, half smooth, dim. 200 mm; 1x flat , 1x round
› 1x utility knife (article 556A) dim. 160x18

940E 940EV 920PLUS 3/3
564 x 364 x 30

SKU	
623993	8

812 (800, 1000), **300/2** (400, 500), **750B** (400), **760H1/2S** (200), **763H1/2S** (200), **556A** (160x18), **VL964/52SOS** (564x364x30)

964/53SOS

Set of socket wrenches in SOS tool tray

› Tool tray dimension: 564 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 10x socket 3/4", 6 point (article 197/1 6P) dim. 22, 24, 27, 30, 32, 36, 38, 41, 46, 50
› 4x hex socket 3/4" (article 197/2AHX) dim. 14, 17, 19, 22
› 1x reversible ratchet 3/4"
› accessories 1/4"; 1x sliding T - handle, 2x extension bar (200, 400mm), 2x adaptor (3/4"-1/2", 1/2"-3/4")
› 1x brush for cleaning disk brake shoes (article 2035)
› 1x flexible pick up tool with magnet (article 2087)

940E 940EV 920PLUS 3/3
564 x 364 x 30

SKU	
623995	22

197.1/1 (3/4"x500), **197.3/1** (3/4"), **197.4/1** (3/4"x200, 3/4"x400), **197/1 6P** (22, 24, 27, 30, 32, 36, 38, 41, 46, 50), **197/2AHX** (14, 17, 19, 22), **197.7/1** (3/4" - 1/2"), **190.7/2** (1/2"x3/4"), **2035, 2087** (1kg), **VL964/53SOS** (564x364x30)

964/55SOS

Set of long sockets 1/2" in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 17x socket 1/2", long type, 12 point (article 190/1L12P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32

940E 940EV 920PLUS 1/3
188 x 364 x 30

SKU		
625332	10 - 32	17

190/1L12P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), **VL964/55SOS** (188x364x30)

964/56SOS

Set of long sockets 3/8" in SOS tool tray

› Tool tray dimension: 188 x 364 x 30 mm
› Compatible with drawers of Eurostyle, Eurovision, Europlus and Hercules (front drawers) line

Set includes:
› 15x socket 3/8", long type, 6 point (article 238/1L6P) dim. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
› 1x sliding T-handle 3/8"

940E 940EV 920PLUS 1/3
188 x 364 x 30

SKU		
625334	8 - 22	16

238.3/1(3/8"), **238/1L6P** (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **VL964/56SOS** (188x364x30)

964ECO2

Set of combinations wrenches, short type in SOS tool tray

› Tool tray dimension: 498 x 135 x 30 mm
› Compatible with drawers of Economic line

Set includes:
› 12x short combination wrench (article 125/1) dim. 8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24

940ECO 1/2
498 x 135 x 30

SKU		
621287	8 - 24	12

125/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), **VL964ECO2** (498x135x30)

964ECO2A

Set of combinations wrenches, long type in SOS tool tray

› Tool tray dimension: 498 x 135 x 30 mm
› Compatible with drawers of Economic line

Set includes:
› 12x long combination wrench (article 120/1) dim. 8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24

940ECO 1/2
498 x 135 x 30

SKU		
621288	8 - 24	12

120/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), **VL964ECO2A** (498x135x30)

964ECO5

Set of 1/4" socket wrenches with accessories in SOS tool tray

- Tool tray dimension: 498 x 135 x 30 mm
- Compatible with drawers of Economic line

Set includes:

- 11x socket 1/4", 6 point (article 188/2 6P) dim. 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
- 7x socket 1/4" with internal TX profile (article 189/2) dim. E4, E5, E6, E7, E8, E10, E11
- 19x screwdriver socket 1/4"; hex (article 187/2HX dim. 3, 4, 5, 6, 7), TX profile (article 187/2TX dim. TX8, TX10, TX15, TX20, TX25, TX27, TX30, TX40), crosstip (article 187/2PH dim. PH 1, PH 2, PH 3), flat (article 187/2SL dim. 0.8x4, 1,0x5,5, 1,2x7)
- 1x reversible ratchet 1/4"
- accessories 1/4"; 1x swivel handle, 1x sliding T - handle, 2x extension bar (55, 150mm), 1x universal joint, 1x adaptor (1/4"-3/8")
- 1x spinner handle 1/4"

940ECO 1/2 498 x 135 x 30

SKU	
621290	45

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2PH** (PH 1, PH 2, PH 3), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x150, 1/4"x55), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **VL964ECO5** (498x135x30)

964ECO6

Set of BI pliers in SOS tool tray

- Tool tray dimension: 498 x 135 x 30 mm
- Compatible with drawers of Economic line

Set includes:

- 1x combination pliers (article 406/1BI) dim. 180
- 1x diagonal cutting nippers (article 461/1BI) dim. 160
- 1x multifunctional electrician`s pliers (article 514/1BI) dim. 160
- 1x double groove joint pliers (article 445/1BI) dim. 240

940ECO 1/2 498 x 135 x 30

SKU	
621291	4

406/1BI (180), **461/1BI** (160), **514/1BI** (160), **445/1BI** (240), **VL964ECO6** (498x135x30)

964ECO9

Set of TBI screwdrivers in SOS tool tray

- Tool tray dimension: 498 x 135 x 30 mm
- Compatible with drawers of Economic line

Set includes:

- 4x TBI flat screwdriver (article 605TBI) dim. 0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150
- 3x TBI crosstip (PH) screwdriver (article 615TBI) dim. PH 0x60, PH 1x80, PH 2x100
- 1x TBI double-crosstip (PZ) screwdriver (article 625TBI) dim.PZ 2x100

940ECO 1/2 498 x 135 x 30

SKU	
621292	8

605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), **615TBI** (PH 0x60, PH 1x80, PH 2x100), **625TBI** (PZ 2x100), **VL964ECO9** (498x135x30)

964ECO19

Set of sockets 1/2" in SOS tool tray

- Tool tray dimension: 498 x 135 x 30 mm
- Compatible with drawers of Economic line

Set includes:

- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x sliding T - handle, 2x extension bar (125, 250mm), 1x universal joint

940ECO 1/2 498 x 135 x 30

SKU		
621294	10 - 32	23

190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2"), **VL964ECO19** (498x135x30)

964ECO26 1/2S

Set of files in SOS tool tray

- Tool tray dimension: 498 x 135 x 30 mm
- Compatible with drawers of Economic line

Set includes:

- file with handle, half smooth, dim. 200 mm; 1x flat , 1x square, 1x round
- 1x half-round rasp with handle, half smooth (article 768H1/2S) dim. 200

940ECO 1/2 498 x 135 x 30

SKU	
621295	4

760H1/2S (200), **763H1/2S**(200), **765H1/2S** (200),**768H1/2S** (200), **VL964ECO26 1/2S** (498x135x30)

1000A

Tool set

› Designed for demanding maintenance in car repair workshops, agro services and maintenance in the industry.

SKU	
608140	167

120/1(6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188/2 6P** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **192/2HX** (6, 8, 10), **192/2TX** (TX 25, TX 27, TX 30, TX 40), **193HX** (2.5, 4, 5, 8), **200/2** (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22), **205/2** (60 - 140), **220/3** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/3S** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **186.4/2** (21), **238.1/1FBI** (3/8"), **238.7/1** (3/8" - 1/2"), **238.4/2** (3/8"x45, 3/8"x75), **250/1** (250), **406/1BI** (180), **430/3** (250), **447/1HPP** (240), **461/1BI** (160), **481/6** (1.1/2"), **512/1BI**(170), **514/1BI** (160), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **563R/7PR** (280), **605TBI** (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175, 1.6 x 10.0x200), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **621TBI** (TX 27, TX 30, TX 40), **625TBI** (PZ 2x100), **626TBI** (PH 2x25), **627TBI** (1.2 x 6.5x25), **631** (6 - 12), **640/6** (2, 4, 6, 8), **641/6** (2, 4, 6, 8, 10), **642/6** (5), **660/6** (150, 250), **670/6** (150), **682/2** (2x190x230), **701** (0.05 - 1x13), **750B** (400), **812** (300, 500, 1000), **820** (22), **6480C8** (1.2 x 6.5x41, 1.6 x 8.0x41, 2.0 x 12.0x41), **6483C8** (PH 2, PH 3), **6484C8** (PH 4), **6489C8** (5, 6), **6492C8** (TX 20, TX 25, TX 30, TX 40), **6762.1** (1/2"x144), **6762.2** (1/2" - 5/16")

1000AC

Tool set

› Tool set is intended as a base for any electrician.

SKU	
604577	21

385H (4 - 28), **406/1VDEBI** (180), **461/1VDEBI** (160), **472/1VDEBI** (160), **478/1VDEBI** (160), **508/1VDEBI** (200), **603VDETBI** (0.4 x 2.5x75, 0.6 x 3.5x100, 1.0 x 5.5x125, 1.2 x 6.5x150), **605CR** (1.0 x 5.5x125, 1.2 x 6.5x150), **613VDETBI** (PH1x80, PH2x100), **630VDE** (0.5 x 3.0x140), **660/6** (200), **665/6A** (250x11), **710P** (3m), **753W** (150), **761HB** (200), **812** (300)

1000AD

Tool set

› Tool set is intended as a base for any electrician.

SKU	
611884	62

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **193HX** (2.5, 4), **193TX** (TX 6, TX 9, TX 20, TX 25), **220/3** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/3SL** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **250/1** (200), **385H** (4 - 28), **406/1VDEBI** (180), **461/1VDEBI** (160), **466/1VDEBI** (180), **478/1VDEBI** (160), **508/1VDEBI** (200), **512/1VDEBI** (200), **580/1VDEBI** (170), **603VDETBI** (0.4 x 2.5x75, 0.5 x 3.0x100, 0.6 x 3.5x100, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), **613VDETBI** (PH1x80, PH2x100), **630VDE** (0.5 x 3.0x140), **665/6A** (250x11), **710P** (5m), **750B** (400), **812** (300)

1000B

Tool set

› Tool set offers all the tools for complete maintenance in car repair workshops, agro services and maintenance in the industry.

SKU	
608141	184

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **125/1** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **188/2 6P** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **192/2HX** (6, 8), **192/2TX** (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **200/2** (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22), **206/2** (60 - 140), **210/2** (17, 19), **215/2** (10 x 11, 12 x 13), **220/3** (3, 4, 5, 6, 8, 10, 12, 14, 17, 19), **186.4/2** (21), **238.1/1FBI** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **250/1** (250), **300/2** (400 (2x)), **406/1BI** (180), **430/3** (175, 250), **431/2** (325), **445/1BI** (180, 240), **455/1BI** (160), **466/1BI** (180), **481/6** (1.1/2"), **514/1BI** (160), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **563R/7PR** (280), **605TBI** (0.4 x 2.5x75, 0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175, 1.6 x 10.0x200), **615TBI**(PH 1x80, PH 2x100, PH 3x150, PH 4x200), **626TBI** (PH 2x25), **627TBI** (0.8 x 4.0x25), **629TBI** (6, 8, 10, 12, 13), **630VDE** (0.6 x 3.5x180), **631** (6 - 12), **631B** (6 - 24), **640/6** (2, 3, 5, 6, 8, 10), **642/6** (5), **660/6** (200, 250), **670/6** (150), **680/2** ((2x230x190), **681/2** (300), **682/2** (2x190x230), **701** (0.05 - 1x13), **750B** (400), **812** (300, 500, 1000), **820** (22), **6480C8** (1.2 x 6.5x41, 1.6 x 8.0x41, 2.0 x 12.0x41), **6483C8** (PH 2, PH 3), **6484C8** (PH 4), **6489C8** (5, 6), **6492C8** (TX 25, TX 30, TX 40, TX 20), **6762.1** (1/2"x144), **6762.2** (1/2" - 5/16")

1000D

Tool set

› Designed for basic maintenance in car repair workshops, agro services and maintenance in the industry.

SKU	
608143	145

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **125/1** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **188/2 6P** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **200/2** (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22), **205/2** (60 - 140), **212/2** (24), **220/3** (3, 4, 5, 6, 8, 10, 12, 14, 17, 19), **186.4/2** (21), **238.1/1FBI** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **300/2** (400 (2x)), **405/1BI** (180), **425/4A** (1.5 - 6x240), **430/3** (175), **431/2** (325), **447/1HPP** (240), **455/1BI** (160), **514/1BI** (160), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **563R/7PR** (280), **600TBI** (1.0 x 5.5x100, 1.2 x 6.5x125, 1.2 x 8.0x150), **605TBI** (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175, 1.6 x 10.0x200), **615TBI** (PH 1x80, PH 2x100, PH 3x150, PH 4x200), **626TBI** (PH 2x25), **627TBI** (0.8 x 4.0x25), **631** (6 - 12), **640/6** (2, 3, 4, 5, 6), **642/6** (4), **660/6** (200, 250), **670/6** (150), **701** (0.05 - 1x13), **750B** (400), **812** (300, 500, 1000), **820** (22)

1000S

Tool set

› Designed for basic maintenance in different areas, from car repair workshops, agro services and maintenance in the industry. It is recommended also as a tool set for vehicles.

SKU	
609329	51

125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24), **220/3S** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **250/1** (200), **190/1 6P** (13, 17, 19, 22, 24), **190.1/1ABI** (1/2"), **190.4/1** (1/2"x125), **190.6/2** (1/2"), **406/1BI** (180), **447/1HPP** (240), **461/1BI** (160), **512/1BI** (200), **514/1BI** (160), **605TBI** (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), **615TBI** (PH 1x80, PH 2x100), **625TBI** (PZ 2x100), **626TBI** (PH 2x25),626TBI (PH 2x25), **627TBI** (1.2 x 6.5x25), **710P** (2m), **812** (500)

1000T

Tool set

› Designed for basic maintenance in electro installations.

SKU	
609330	53

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **220/3S** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **250/1** (200), **406/1VDEBI** (160), **420/1VDEBI** (180), **425/4AB** (1.5 - 6x240), **447/1VDEBI** (240), **466/1VDEBI** (180), **478/1VDEBI** (160), **508/1VDEBI** (170), **512/1VDEBI** (170), **514/1BI** (160), **580/1VDEBI** (230), **603VDETBI** (0.4 x 2.5x75, 0.5 x 3.0x100, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175), **613VDETBI** (PH0x60, PH1x80, PH2x100), **630/VDE** (0.5 x 3.0x140, 0.6 x 3.5x180), **641/6** (5), **660/6** (150), **665/6A** (250X12), **710P** (3), **750B** (400), **760HB** (200), **761HB** (200), **812** (300), **817** (1000), **820** (40)

971/1BI

Tool set in tool case

SKU	
608540	51
1000S, **969S** (500x420x200)	

905CR

Tool set CR in bag

SKU	
620106	13
406/4G (180), **461/4G** (160), **478/4G** (160), **472/4G** (160), **556A** (160x18), **753P** (150), **710P** (3m), **602TBI** (0.4 x 2.5x60, 0.8 x 4.0x100, 1.0 x 5.5x125), **615CR** (PH 1x80, PH 2x100), **630VDE** (0.5 x3.0x140)	

971/2VDE

Tool set VDE in tool case

SKU	
608541	53
1000T, **969S** (500x420x200)	

902/2

Tool set in artificial leather bag

SKU	
601968	14
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19), **185/2** (21x115), **406/4G** (160), **631** (6 - 12), **605NI** (0.8 x 4.0x100, 1.0 x 5.5x125), **615NI** (PH 2x100), **812** (200)	

905VDEBI

Tool set VDE BI in bag

Set includes:

- 1x combination pliers (article 406/1VDEBI) dim. 180
- 1x diagonal cutting nippers (article 461/1VDEBI) dim. 160
- 1x wire stripping pliers (article 478/1VDEBI) dim. 160
- 1x long flat nose pliers (article 472/1VDEBI) dim. 160
- 3x electrician´s screwdriver with insulated blade VDETBI (article 603VDETBI) dim. 0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125
- 2x VDETBI crosstip (PH) screwdriver with insulated blade (article 613VDETBI) dim. PH 1x80, PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140
- 1x measuring tape (article 710P) dim. 3m
- 1x insulated saw (article 753VDP) dim. 150
- 1x insulated knife (article 385VDEDP) dim. 180

1000V IEC 60900

SKU	
617571	13
406/1VDEBI (180), **461/1VDEBI** (160), **478/1VDEBI** (160), **472/1VDEBI** (160), **753VDP** (150), **385VDEDP** (180), **603VDETBI** (0.4 x 2.5x75, 0.8 x 4.0x100, 1.0 x 5.5x125), **613VDETBI** (PH 1x80, PH 2x100), **710P** (3m), **630VDE** (0.5 x 3.0x140)	

971/3VDE

Tool set in tool case

SKU	
612548	62
1000AD, **969S** (500x420x200)	

905BI

Tool set BI in bag

SKU	
620105	13
406/1BI (160), **461/1BI** (160), **478/1BI** (160), **472/1BI** (160), **556A** (160x18), **753P** (150), **710P** (3m), **602TBI** (0.4 x 2.5x75, 0.8 x 4.0x100, 1.0 x 5.5x125), **615TBI** (PH 1x80, PH 2x100), **630VDE** (0.5 x3.0x140)	

906VDEBI

Tool set VDE BI in bag.

Set includes:
- 1x combination pliers (article 406/1VDEBI) dim. 180
- 1x diagonal cutting nippers (article 461/1VDEBI) dim. 160
- 2x electrician´s screwdriver with insulated blade VDETBI (article 603VDETBI) dim. 0.4x2.5x75, 0.8x4.0x100
- 1x crosstip (PH) screwdriver with insulated blade VDETBI (article 613VDETBI) dim. PH 2x100
- 1x voltage tester 220 - 250 V (article 630VDE) dim. 0.5x3.0x140

1000V IEC 60900

SKU	
617573	6

461/1VDEBI (160), **406/1VDEBI** (180), **603VDETBI** (0.4 x 2.5x75, 0.8 x 4.0x100), **613VDETBI** (PH2x100), **630VDE** (0.5 x 3.0x140)

911N6P21

Socket set 1/2" in SOS tool tray

Set includes:
- 18x socket 1/2", 6 point (article 190/1 6P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"
- accessories 1/2"; 1x extension bar (125 mm), 1x universal joint

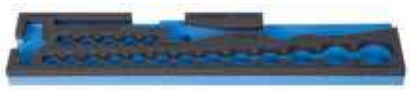
1/2" 1/2"

SKU		
619470	10 - 32	21

190/1 6P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.4/1** (1/2"x125), **190.6/2** (1/2"), **VL911N6SOS** (95x447x30)

VL911N6SOS

SOS tool tray for sockets for 911



- material: low density polyethylene foam

SKU	B	L	H	
622693	95	447	30	26

911N12P21

Socket set 1/2" in SOS tool tray

Set includes:
- 18x socket 1/2", 12 point (article 190/1 12P) dim. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
- 1x reversible ratchet 1/2"

1/2" 1/2"

SKU		
619471	10 - 32	21

190/1 12P (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.4/1** (1/2"x125), **190.6/2** (1/2"), **VL911N12SOS** (95x447x30)

VL911N12SOS

SOS tool tray for sockets 12p for 911

- material: low density polyethylene foam

SKU	B	L	H	
622698	95	447	30	25

930

Tool set with tool box 912/5

SKU	
601996	80

110/1CB, **180/1CB**, **212/2**(19),**220/3PB**, **186.4/2** (21), **238.1/1FBI** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"X380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **300/2** (400(2X)), **405/1BI** (180), **430/3** (175), **447/1HPP** (240), **461/1BI** (160), **506/1BI** (140), **514/1BI** (160), **563R/7PR** (280), **605TBI** (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175), **615TBI** (PH 2x100, PH 3x150), **631** (6-12), **812** (500), **912/5** (560x210x225)

931

Tool set with tool box 912/5

SKU	
601995	111

110/1CB, **125/1CB**, **180/1CB**, **200/2CB**, **220/3PB**, **186.4/2** (21), **238.1/1FBI** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"X380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **300/2** (400(2X)), **406/1BI** (180), **425/4A** (1.5 - 6x240), **430/3** (175), **445/1BI** (240), **447/1HPP** (240), **461/1BI** (160), **514/1BI** (280), **563R/7PR** (280), **605TBI** (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175), **615TBI** (PH 1x80, PH 2x100, PH 4x200), **626TBI** (PH 2x25), **627TBI** (0.8 x 4.0x25), **631** (6 - 12), **640/6** (3,4), **642/6** (3), **660/6** (150, 200), **670/6** (150), **812** (500), **912/5** (560x210x225)

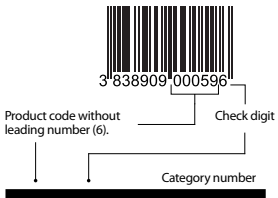
932

Tool set with tool box 912/5

SKU	
601994	136

912/5 (560x210x225), **110/1CB**, **125/1CB**, **180/1CB**, **186.4/2** (21, 21), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188/26P** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **200/2CB**, **205/2** (60 - 140), **212/2** (24), **220/3PB**, **238.1/1FBI** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **300/2** (400 (2X)), **405/1BI** (180), **425/4A** (1.5 - 6x240), **430/3** (175), **431/2** (325), **445/1BI** (240), **472/1BI** (140), **476/1BI** (140), **563R/7PR** (280), **605TBI** (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175, 1.6 x 10.0x200), **615TBI** (PH 1x80, PH 2x100, PH 3x150, PH 4x200), **626TBI** (PH 2x25), **627TBI** (0.8 x 4.0x25), **631** (6 - 12), **640/6** (3, 4, 5), **642/6** (5), **660/6** (150, 250), **670/6** (150), **812** (300, 500)

Code index



600000

600060	2	110/1	**24**
600061	9	110/1	**24**
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600070	1	110/1	**24**
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600074	9	110/1	**24**
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600096	1	110/1	**24**
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600100	5	110/1	**24**
600101	2	110/1	**24**
600102	9	110/1	**24**
600105	0	110/1CB	**24**
600106	7	110/1CB	**24**
600107	4	110/1CB	**24**
600108	1	110/1PB	**25**
600109	8	110/1PB	**25**
600262	0	135/2	**27**
600357	3	120/1	**27**
600358	0	120/1	**27**
600359	7	120/1	**27**
600360	3	120/1	**27**
600361	0	120/1	**27**
600362	7	120/1	**27**
600363	4	120/1	**27**
600364	1	120/1	**27**
600365	8	120/1	**27**
600366	5	120/1	**27**
600367	2	120/1	**27**
600368	9	120/1	**27**
600369	6	120/1	**27**
600370	2	120/1	**27**
600371	9	120/1	**27**
600372	6	120/1	**27**
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600374	0	120/1	**27**
600375	7	120/1	**27**
600376	4	120/1	**27**
600377	1	120/1	**27**
600378	8	120/1	**27**
600379	5	120/1	**27**
600380	1	120/1	**27**
600381	8	120/1	**27**
600382	5	120/1	**27**
600383	2	120/1CB	**28**
600384	9	120/1CB	**28**
600414	3	125/1	**29**
600415	0	125/1	**29**
600416	7	125/1	**29**
600417	4	125/1	**29**
600418	1	125/1	**29**
600419	8	125/1	**29**
600420	4	125/1	**29**
600421	1	125/1	**29**
600422	8	125/1	**29**
600423	5	125/1	**29**
600424	2	125/1	**29**
600425	9	125/1	**29**
600426	6	125/1	**29**
600427	3	125/1	**29**
600428	0	125/1	**29**
600429	7	125/1	**29**
600430	3	125/1	**29**
600431	0	125/1CB	**29**
600511	9	180/1	**32**
600512	6	180/1	**32**
600513	3	180/1	**32**
600514	0	180/1	**32**
600516	4	180/1	**32**
600517	1	180/1	**32**
600518	8	180/1	**32**
600519	5	180/1	**32**
600520	1	180/1	**32**
600521	8	180/1	**32**
600522	5	180/1	**32**
600523	2	180/1	**32**
600524	9	180/1	**32**
600525	6	180/1	**32**
600526	3	180/1	**32**
600527	0	180/1	**32**
600528	7	180/1	**32**
600529	4	180/1	**32**
600530	0	180/1	**32**
600531	7	180/1	**32**
600532	4	180/1	**32**
600533	1	180/1	**32**
600534	8	180/1	**32**
600535	5	180/1	**32**
600536	2	180/1	**32**
600537	9	180/1	**32**
600541	6	180/1CB	**32**
600542	3	180/1CB	**32**
600543	0	180/1CB	**32**
600671	0	200/2	**46**
600672	7	200/2	**46**
600673	4	200/2	**46**
600674	1	200/2	**46**
600676	5	200/2	**46**
600677	2	200/2CB	**46**
600696	3	215/2	**39**
600697	0	215/2	**39**
600698	7	215/2	**39**
600699	4	215/2	**39**
600700	7	215/2	**39**
600701	4	215/2	**39**
600702	1	215/2	**39**
600703	8	215/2	**39**
600705	2	215/2	**39**
600706	9	215/2	**39**
600707	6	215/2	**39**
600708	3	215/2	**39**
600709	0	215/2	**39**
600710	6	215/2CB	**39**
600717	5	215/2	**39**
600718	2	215/2	**39**
600719	9	215/2	**39**
600723	6	215/2	**39**
600745	8	215.1/2	**39**
600747	2	215.1/2	**39**
600771	7	185/2	**46**
600772	4	185/2	**46**
600773	1	185/2	**46**
600776	2	186.4/2	**57**
600777	9	238.4/2	**61**
600778	6	238.4/2	**61**
600782	3	210/2	**45**
600783	0	210/2	**45**
600788	5	212/2	**45**
600789	2	212/2	**45**
600790	8	212/2	**45**
600791	5	212/2	**45**
600809	7	213/6	**45**
600811	0	213/6	**45**
600812	7	213/6	**45**
600813	4	213/6	**45**
600814	1	213/6	**45**
600815	8	188/2 6p	**52**
600816	5	188/2 6p	**52**
600817	2	188/2 6p	**52**
600818	9	188/2 6p	**52**
600819	6	188/2 6p	**52**
600820	2	188/2 6p	**52**
600821	9	188/2 6p	**52**
600822	6	188/2 6p	**52**
600823	3	188/2 6p	**52**
600824	0	188/2 6p	**52**
600825	7	188/2 6p	**52**
600826	4	188.4/2	**55**
600827	1	188.4/2	**55**
600830	1	188.3/2	**54**
600851	6	190/1 6p	**63**
600852	3	190/1 6p	**63**
600853	0	190/1 6p	**63**
600854	7	190/1 6p	**63**
600855	4	190/1 6p	**63**
600856	1	190/1 6p	**63**
600857	8	190/1 6p	**63**
600858	5	190/1 6p	**63**
600859	2	190/1 6p	**63**
600860	8	190/1 6p	**63**
600861	5	190/1 6p	**63**
600862	2	190/1 6p	**63**
600863	9	190/1 6p	**63**
600864	6	190/1 6p	**63**
600865	3	190/1 6p	**63**
600866	0	190/1 6p	**63**
600867	7	190/1 6p	**63**
600868	4	190/1 6p	**63**
600869	1	190/1 6p	**63**
600871	4	190/1 6p	**63**
600872	1	190/1 6p	**63**
600873	8	190.6/2	**68**
600874	5	190.4/1	**68**
600875	2	190.4/1	**68**
600876	9	190.3/1	**68**
600909	4	190.9/2BI	**69**
600954	4	197MB2	**74**
600978	0	192/2HX	**64**

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601016	8	250/1	**27**
601017	5	250/1	**27**
601018	2	250/1	**27**
601019	9	250/1	**27**
601024	3	205/2	**46**
601025	0	206/2	**46**
601036	6	220/3	**41**
601037	3	220/3	**42**
601038	0	220/3	**42**
601040	3	220/3	**42**
601041	0	220/3	**42**
601042	7	220/3	**42**
601044	1	220/3	**42**
601045	8	220/3	**42**
601046	5	220/3	**42**
601047	2	220/3	**42**
601048	9	220/3	**42**
601057	1	220/3PB	**42**
601059	5	220/3PB	**42**
601061	8	220/3PB	**42**
601127	1	582/3P	**114**
601127	1	582/3P	**146**
601136	3	425/4A	**97**
601136	3	425/4A	**117**
601137	0	425/4B	**98**
601137	0	425/4B	**117**
601142	4	432/3A	**105**
601144	8	432/3C	**105**
601342	8	530/4	**103**
601343	5	530/4	**103**
601344	2	530/4	**103**
601372	5	531/4	**103**
601373	2	531/4	**103**
601374	9	531/4	**103**
601375	6	531/4	**103**
601386	2	531/4PR	**104**
601387	9	531/4PR	**104**
601388	6	531/4PR	**104**
601464	7	441/7PR	**95**
601481	4	480/6	**107**
601482	1	480/6	**107**
601483	8	480/6	**107**
601484	5	480/6	**107**
601495	1	481/6	**107**
601496	8	481/6	**107**
601497	5	481/6	**107**
601498	2	481/6	**107**
601499	9	481/6	**107**
601510	1	482/6	**107**
601511	8	482/6	**107**
601512	5	482/6	**107**
601513	2	482/6	**107**
601514	9	482/6	**107**
601530	9	484/6	**108**
601530	9	484/6	**300**
601531	6	484/6	**108**
601531	6	484/6	**300**
601532	3	484/6	**108**
601532	3	484/6	**300**
601533	0	484/6	**108**
601533	0	484/6	**300**
601544	6	492/6	**108**
601545	3	492/6	**108**
601546	0	492/6	**108**
601547	7	492/6	**108**
601548	4	492/6	**108**
601549	1	492/6	**108**
601551	4	430/3	**104**
601552	1	430/3	**104**
601553	8	430/3	**104**
601554	5	431/2	**107**
601557	6	558/5P	**106**
601578	1	542/4PR	**151**
601590	3	550/3PR	**151**
601592	7	550.2/9	**151**
601688	7	631	**135**
601689	4	631	**135**
601702	0	640/6	**186**
601704	4	640/6	**186**
601705	1	640/6	**186**
601706	8	640/6	**186**
601711	2	641/6	**186**
601712	9	641/6	**186**
601713	6	641/6	**186**
601714	3	641/6	**186**
601715	0	641/6	**186**
601716	7	641/6	**186**
601717	4	641/6	**186**
601719	8	641/6	**186**
601724	2	642/6	**187**
601725	9	642/6	**187**
601726	6	642/6	**187**
601732	7	660/6	**188**
601733	4	660/6	**188**
601734	1	660/6	**188**
601737	2	646	**187**
601738	9	647	**187**
601739	6	645	**187**
601747	1	670/6	**188**
601748	8	670/6	**188**
601755	6	300/2	**296**
601756	3	300/2	**296**
601757	0	300/2	**296**
601758	7	300/2A	**296**
601762	4	680/2	**174**
601763	1	680/2	**174**
601764	8	680/2	**174**
601765	5	681/2	**174**
601766	2	681/2	**174**
601767	9	682/2	**176**
601768	6	682/2	**176**
601769	3	682/2	**176**
601796	9	812	**184**
601797	6	812	**184**
601799	0	812	**184**
601801	0	812	**184**
601802	7	812	**184**
601803	4	812	**184**
601804	1	812	**184**
601805	8	812	**184**
601806	5	812	**184**
601807	2	812	**184**
601809	6	812	**184**
601810	2	812	**184**
601812	6	816	**184**
601813	3	816	**184**
601814	0	816	**184**
601816	4	816	**184**
601824	9	805	**184**
601832	4	820	**186**
601833	1	820	**186**
601834	8	820	**186**
601835	5	820	**186**
601836	2	820	**186**
601840	9	817	**185**
601841	6	817	**185**
601842	3	817	**185**
601843	0	817	**185**
601844	7	818	**185**
601845	4	818	**185**
601847	8	818	**185**
601848	5	818	**185**
601849	2	818	**185**
601850	8	818	**185**
601896	6	701	**271**
601897	3	701	**271**
601898	0	701	**271**
601909	3	911/5	**237**
601910	9	912/1	**237**
601911	6	912/3	**237**
601912	3	912/5	**238**
601913	0	981K/8	**239**
601918	5	981K/4	**239**
601939	0	909	**244**
601954	3	981K1/2	**240**
601968	0	902/2	**350**
601985	7	914/5	**238**
601994	9	932	**351**
601995	6	931	**351**
601996	3	930	**351**

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602082	2	112/2	**26**
602083	9	112/2	**26**
602085	3	112/2	**26**
602086	0	112/2	**26**
602087	7	112/2	**26**
602088	4	112/2	**26**
602089	1	125/1	**29**
602090	7	125/1	**29**
602091	4	125/1	**29**
602092	1	125/1	**29**
602093	8	125/1	**29**
602094	5	125/1	**29**
602095	2	125/1	**29**
602096	9	125/1	**29**
602097	6	125/1	**29**
602098	3	125/1CB	**29**
602327	4	428/4	**99**
602327	4	428/4	**117**
602371	7	6460C6,3	**165**
602372	4	6460C6,3	**165**
602373	1	6460C6,3	**165**
602375	5	6460C6,3	**165**
602377	9	6460C6,3	**165**
602378	6	6460C6,3	**165**
602389	2	6463C6,3	**165**
602390	8	6463C6,3	**165**
602391	5	6463C6,3	**165**
602395	3	6465C6,3	**165**
602396	0	6465C6,3	**165**
602397	7	6466C6,3	**166**
602398	4	6466C6,3	**166**
602399	1	6466C6,3	**166**
602400	4	6469C6,3	**166**
602401	1	6469C6,3	**166**
602402	8	6469C6,3	**166**
602403	5	6469C6,3	**166**
602404	2	6469C6,3	**166**
602406	6	6472C6,3	**166**
602407	3	6472C6,3	**166**
602408	0	6472C6,3	**166**
602409	7	6472C6,3	**166**
602410	3	6472C6,3	**166**
602411	0	6472C6,3	**166**
602412	7	6472C6,3	**166**
602414	1	6480C8	**166**
602415	8	6480C8	**166**
602417	2	6480C8	**166**
602418	9	6480C8	**166**
602419	6	6480C8	**166**
602423	3	6483C8	**166**
602424	0	6483C8	**166**
602425	7	6484C8	**167**
602427	1	6486C8	**167**
602428	8	6486C8	**167**
602431	8	6489C8	**167**
602432	5	6489C8	**167**
602436	3	6492C8	**167**
602438	7	6492C8	**167**
602439	4	6492C8	**167**
602440	0	6492C8	**167**

602441	7	6492C8	**167**
602519	3	6503E6,3	**167**
602520	9	6503E6,3	**167**
602521	6	6503E6,3	**167**
602522	3	6506E6,3	**167**
602523	0	6506E6,3	**167**
602524	7	6506E6,3	**167**
602525	4	6509E6,3	**167**
602526	1	6509E6,3	**167**
602527	8	6509E6,3	**167**
602528	5	6509E6,3	**167**
602529	2	6509E6,3	**167**
602537	7	812A	**184**
602538	4	812A	**184**
602539	1	812A	**184**
602552	0	909/1	**244**
602557	5	215/2	**39**
602593	3	110/1	**24**
602594	0	110/1	**24**
602595	7	110/1	**24**
602601	5	120/1	**27**
602602	2	120/1	**27**
602663	3	180/1	**32**
602664	0	180/1	**32**
602719	7	492AL	**108**
602720	3	492AL	**108**
602721	0	492AL	**108**
602722	7	492AL	**108**
602723	4	197/1 6p	**72**
602724	1	197/1 6p	**72**
602725	8	197/1 6p	**72**
602726	5	197/1 6p	**72**
602727	2	197/1 6p	**72**
602728	9	197/1 6p	**72**
602729	6	197/1 6p	**72**
602730	2	197/1 6p	**72**
602731	9	197/1 6p	**72**
602732	6	197/1 6p	**72**
602733	3	197/1 6p	**72**
602734	0	197/1 6p	**72**
602735	7	197/1 6p	**72**
602736	4	197/1 6p	**72**
602737	1	197.1/1	**73**
602738	8	197.3/1	**74**
602739	5	197.4/1	**74**
602740	1	197.4/1	**74**
602741	8	197.7/1	**74**
602742	5	197MB1	**74**
602743	2	981K3/4	**240**
602841	5	205.1	**46**
602844	6	110/1CS	**25**
602845	3	180/1CS	**32**
602997	9	180/1	**32**

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603028	9	6715E6,3	**168**
603095	1	199MB1	**76**
603096	8	199/1 6p	**74**
603097	5	199/1 6p	**74**
603098	2	199/1 6p	**74**
603099	9	199/1 6p	**74**
603100	2	199/1 6p	**74**
603101	9	199/1 6p	**74**
603102	6	199/1 6p	**74**
603103	3	199/1 6p	**74**
603104	0	199.1/1	**75**
603105	7	199.3/1	**75**
603106	4	199.4/1	**76**
603107	1	199.4/1	**76**
603123	1	180/1	**32**
603124	8	180/1	**32**
603128	6	215/2	**39**
603130	9	188/2 6p	**52**
603131	6	188/2 6p	**52**
603134	7	112/2	**26**
603135	4	197/1 6p	**72**
603160	6	447/6	**95**
603164	4	812A	**184**
603192	7	186.4/2	**57**
603193	4	186.4/2	**57**
603316	7	110/1	**24**
603317	4	110/1	**24**
603318	1	110/1	**24**
603332	7	125/1	**29**
603334	1	190.7/2	**68**
603378	5	190.10	**69**
603380	8	192/2HXL	**64**
603381	5	192/2HXL	**64**
603383	9	192/2HXL	**64**
603384	6	192/2HXL	**64**
603386	0	192/2HXL	**64**
603418	8	6515E6,3	**167**
603420	1	192/2HX	**64**
603421	8	192/2HX	**64**
603422	5	192/2HX	**64**
603423	2	192/2HX	**64**
603424	9	192/2HX	**64**
603425	6	192/2HX	**64**
603426	3	192/2HX	**64**
603427	0	192/2HX	**64**
603428	7	192/2HX	**64**
603455	3	192/2HXL	**64**
603477	5	666/6A	**189**
603521	5	981K1	**240**
603522	2	555/6	**151**
603611	3	112/2	**26**
603657	1	192/12	**65**
603673	1	960/6	**239**
603674	8	180/1CB	**32**
603709	7	120/1CS	**28**
603711	0	125/1CS	**30**
603715	8	110/1CB	**24**
603812	4	190/1 12p	**63**
603813	1	190/1 12p	**63**
603814	8	190/1 12p	**63**
603815	5	190/1 12p	**63**
603816	2	190/1 12p	**63**
603817	9	190/1 12p	**63**
603818	6	190/1 12p	**63**
603819	3	190/1 12p	**63**
603820	9	190/1 12p	**63**
603821	6	190/1 12p	**63**
603822	3	190/1 12p	**63**
603823	0	190/1 12p	**63**
603824	7	190/1 12p	**63**
603825	4	190/1 12p	**63**
603826	1	190/1 12p	**63**
603827	8	190/1 12p	**63**
603828	5	190/1 12p	**63**
603829	2	190/1 12p	**63**
603848	3	110/1	**24**
603962	6	231/4 6p	**77**
603963	3	231/4 6p	**77**
603964	0	231/4 6p	**77**
603965	7	231/4 6p	**77**
603966	4	231/4 6p	**77**
603967	1	231/4 6p	**77**
603968	8	231/4 6p	**77**
603969	5	231/4 6p	**77**
603970	1	231/4 6p	**77**
603971	8	231/4 6p	**77**
603972	5	231/4 6p	**77**
603973	2	231/4 6p	**77**
603974	9	231/4 6p	**77**
603975	6	231/4 6p	**77**
603976	3	231/4 6p	**77**
603977	0	231.4/4	**79**
603978	7	231.4/4	**79**
603979	4	231.7/4	**79**
603980	0	232/4 6p	**79**
603981	7	232/4 6p	**79**
603982	4	232/4 6p	**79**
603983	1	232/4 6p	**79**
603984	8	232/4 6p	**79**
603985	5	232/4 6p	**79**
603986	2	232/4 6p	**79**
603987	9	232/4 6p	**79**
603988	6	232/4 6p	**79**
603989	3	232/4 6p	**79**
603990	9	232/4 6p	**79**
603991	6	232/4 6p	**79**
603992	3	232.4/4	**80**
603993	0	232.4/4	**80**
603994	7	232.6/4	**80**
603995	4	232.7/4	**80**
603996	1	232.8/4	**79**
603997	8	231.8/4	**79**
603998	5	231.8/4	**79**

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604174	2	670/6A	**189**
604242	8	660/6	**188**
604267	1	660/6	**188**
604531	3	188.10	**56**
604546	7	621E	**164**
604547	4	621E	**164**
604577	1	1000AC	**348**
604692	1	6463TINC6,3	**165**
604695	2	6466TINC6,3	**166**
604696	9	6466TINC6,3	**166**
604701	0	6472TINC6,3	**166**
604702	7	6472TINC6,3	**166**
604825	3	6472TINC6,3	**166**

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605006	5	447/6	**95**
605042	3	179/2	**31**
605044	7	215/2	**39**
605045	4	112/2	**26**
605061	4	6762	**169**
605062	1	6762.1	**168**
605063	8	6762.2	**169**
605112	3	175/2	**46**
605113	0	250/1	**27**
605125	3	480/6	**107**
605160	4	977/1	**245**
605161	1	977/2	**245**
605162	8	977/3	**245**
605163	5	977/4	**245**
605206	9	429/3	**104**
605214	4	555.1/9	**151**
605237	3	447/1	**95**
605307	3	190/1 6p	**63**
605322	6	238/1 6p	**59**
605323	3	238/1 6p	**59**
605324	0	238/1 6p	**59**
605325	7	238/1 6p	**59**
605326	4	238/1 6p	**59**
605327	1	238/1 6p	**59**
605328	8	238/1 6p	**59**
605329	5	238/1 6p	**59**
605330	1	238/1 6p	**59**
605331	8	238/1 6p	**59**
605332	5	238/1 6p	**59**
605333	2	238/1 6p	**59**
605334	9	238/1 6p	**59**
605335	6	238/1 6p	**59**
605336	3	238/1 6p	**59**
605337	0	238/1 6p	**59**
605338	7	238/1 6p	**59**
605341	7	238.3/1	**61**
605342	4	238.4/1	**61**
605343	1	238.4/1	**61**
605344	8	238.6/1	**61**
605345	5	238.7/1	**61**
605348	6	110/1	**24**
605349	3	110/1	**24**
605350	9	110/1	**24**
605351	6	110/1	**24**
605352	3	110/1	**24**
605353	0	110/1	**24**
605354	7	110/1	**24**
605355	4	110/1	**24**
605356	1	110/1	**24**
605357	8	110/1	**24**
605358	5	110/1	**24**
605359	2	110/1	**24**
605418	6	583/6	**114**
605418	6	583/6	**146**
605419	3	583.1/7A	**146**
605491	9	820A	**186**
605492	6	820A	**186**
605493	3	820A	**186**
605494	0	820A	**186**
605495	7	820A	**186**
605516	9	805A	**184**
605518	3	6492C8	**167**
605528	2	110/1MS	**25**
605531	2	110/1CB	**25**
605532	9	110/1MS	**25**
605537	4	120/1MS	**29**
605539	8	125/1MS	**30**
605545	9	180/1MS	**32**
605548	0	231/4 6p	**77**
605549	7	110/1	**24**
605562	6	192/2TX	**65**
605563	3	192/2TX	**65**
605564	0	192/2TX	**65**
605565	7	192/2TX	**65**
605566	4	192/2TX	**65**
605567	1	192/2TX	**65**
605568	8	192/2TX	**65**
605569	5	192/2TX	**65**
605570	1	192/2TX	**65**
605806	1	425/4AB	**98**
605806	1	425/4AB	**117**
605838	2	120/1	**27**
605896	2	960/1	**239**
605897	9	960/2	**239**
605898	6	960/3	**239**
605923	5	192/2HX	**64**

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607019	3	120/1	**27**
607064	3	192/14	**66**
607137	4	915/5	**238**
607141	1	191/1	**64**
607142	8	191/1	**64**
607143	5	191/1	**64**
607144	2	191/1	**64**
607145	9	191/1	**64**
607146	6	191/1	**64**
607147	3	191/1	**64**
607148	0	191/1	**64**
607149	7	191/1	**64**
607161	9	193HX	**40**
607162	6	193HX	**40**
607163	3	193HX	**40**
607164	0	193HX	**40**
607165	7	193HX	**40**
607166	4	193HX	**40**
607167	1	193HX	**40**
607168	8	193HX	**40**
607169	5	193HX	**40**
607170	1	193HX	**40**
607171	8	193TX	**41**
607172	5	193TX	**41**
607173	2	193TX	**41**
607174	9	193TX	**41**
607175	6	193TX	**41**
607176	3	193TX	**41**
607177	0	193TX	**41**
607178	7	193TX	**41**
607179	4	193TX	**41**
607180	0	193TX	**41**
607181	7	193TX	**41**
607182	4	193TX	**41**
607314	9	191MB1	**64**
607348	4	447/6	**95**
607349	1	188.8	**55**
607386	6	977/5	**245**
607387	3	977/6	**245**
607494	8	529/4P	**104**
607821	2	188.6/2	**55**
607823	6	220/3	**41**
607824	3	220/3	**41**
607825	0	220/3	**41**
607826	7	220/3S	**43**
607827	4	220/3S	**43**
607828	1	220/3S	**43**
607829	8	220/3S	**43**
607830	4	220/3S	**43**
607831	1	220/3S	**43**
607832	8	220/3S	**43**
607834	2	220/3S	**43**
607835	9	220/3S	**43**
607852	6	220/3PH	**42**
607853	3	220/3SPH	**44**
607860	1	530/4	**103**
607867	0	405/1BI	**86**
607868	7	405/1BI	**86**
607869	4	405/1BI	**86**
607870	0	406/1BI	**86**
607871	7	406/1BI	**86**
607872	4	406/1BI	**86**
607873	1	420/1BI	**87**
607874	8	506/1BI	**91**
607875	5	506/1BI	**91**
607876	2	508/1BI	**92**
607877	9	508/1BI	**92**
607878	6	472/1BI	**92**
607879	3	472/1BI	**92**
607880	9	476/1BI	**93**
607881	6	476/1BI	**93**
607882	3	478/1BI	**97**
607882	3	478/1BI	**115**
607883	0	461/1BI	**89**
607883	0	461/1BI	**112**
607884	7	461/1BI	**89**
607884	7	461/1BI	**112**
607885	4	445/1BI	**96**
607887	8	445/1BI	**96**
607888	5	193TXCS	**41**
607890	8	193HXCS	**41**
607892	2	187/2PH	**52**
607893	9	187/2PH	**52**
607894	6	187/2PH	**52**
607895	3	187/2SL	**52**
607896	0	187/2SL	**52**
607897	7	187/2SL	**52**
607898	4	187/2HX	**52**
607899	1	187/2HX	**52**
607900	4	187/2HX	**52**
607901	1	187/2HX	**52**
607902	8	187/2HX	**52**
607903	5	187/2TX	**52**
607904	2	187/2TX	**52**
607905	9	187/2TX	**52**
607906	6	187/2TX	**52**
607907	3	187/2TX	**52**
607908	0	187/2TX	**52**
607909	7	187/2TX	**52**
607910	3	187/2TX	**52**
607911	0	189/2	**53**
607912	7	189/2	**53**
607913	4	189/2	**53**
607914	1	189/2	**53**
607915	8	189/2	**53**
607916	5	189/2	**53**
607917	2	189/2	**53**
607918	9	231/4L6p	**77**
607919	6	231/4L6p	**77**
607920	2	231/4L6p	**77**
607921	9	231/4L6p	**77**
607922	6	231/4L6p	**77**
607923	3	231/4L6p	**77**
607924	0	231/4L6p	**77**
607925	7	231/4L6p	**77**
607926	4	231/4L6p	**77**
607927	1	231/4L6p	**77**
607928	8	231/4L6p	**77**
607929	5	231/4L6p	**77**
607930	1	231/4L6p	**77**
607931	8	231/4L6p	**77**
607932	5	231/4L6p	**77**
607933	2	231/4L6p	**77**
607934	9	232/4L6p	**79**
607935	6	232/4L6p	**79**
607936	3	232/4L6p	**79**
607937	0	232/4L6p	**79**
607938	7	232/4L6p	**79**
607939	4	232/4L6p	**79**
607940	0	232/4L6p	**79**
607941	7	232/4L6p	**79**
607942	4	232/4L6p	**79**
607943	1	232/4L6p	**79**
607944	8	232/4L6p	**79**
607945	5	232/4L6p	**79**
607949	3	424/4P	**97**
607949	3	424/4P	**117**
607950	9	424/4P	**97**
607950	9	424/4P	**117**
607955	4	190.4/1	**68**
607956	1	185/2	**46**
607960	8	215/2	**39**
607962	2	215/2	**39**
607966	0	512/1BI	**92**
607967	7	512/1BI	**92**
607968	4	598.1/7	**150**
607975	2	190.7/2	**68**
607976	9	188.7/2	**55**
607977	6	238.7/1	**61**

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608140	3	1000A	**348**
608141	0	1000B	**349**
608143	4	1000D	**349**
608213	4	445/1P	**96**
608213	4	445/1P	**96**
608276	9	193HXS	**41**
608277	6	193HXS	**41**
608278	3	193HXS	**41**
608279	0	193HXS	**41**
608280	6	193HXS	**41**
608281	3	193HXS	**41**
608282	0	193HXS	**41**
608283	7	193N	**37**
608284	4	193N	**37**
608285	1	193N	**37**
608286	8	193N	**37**

608287	5	193N	**37**
608288	2	193N	**37**
608289	9	193N	**37**
608290	5	193N	**37**
608291	2	193N	**37**
608292	9	193N	**37**
608293	6	193N	**37**
608295	0	193N	**37**
608296	7	605E	**163**
608297	4	605E	**163**
608298	1	605E	**163**
608299	8	605E	**163**
608300	1	605E	**163**
608301	8	605E	**163**
608302	5	605E	**163**
608303	2	605E	**163**
608304	9	615E	**164**
608305	6	615E	**164**
608306	3	615E	**164**
608307	0	615E	**164**
608308	7	625E	**165**
608309	4	625E	**165**
608310	0	621E	**164**
608311	7	621E	**164**
608312	4	621E	**164**
608313	1	621E	**164**
608314	8	621E	**164**
608315	5	621E	**164**
608316	2	621E	**164**
608354	4	406/1BI	**86**
608355	1	977/7	**245**
608442	8	598/6	**150**
608484	8	660/6HS	**188**
608485	5	670/6HS	**189**
608486	2	670/6A	**189**
608489	3	670/6AHS	**189**
608490	9	670/6AHS	**189**
608491	6	670/6AHS	**189**
608492	3	660/6A	**189**
608493	0	660/6A	**189**
608497	8	660/6AHS	**189**
608498	5	660/6AHS	**189**
608499	2	660/6AHS	**189**
608500	5	665/6A	**189**
608501	2	665/6A	**189**
608503	6	666/6AHS	**189**
608510	4	220/3L	**43**
608511	1	220/3L	**43**
608512	8	220/3L	**43**
608513	5	220/3L	**43**
608514	2	220/3L	**43**
608515	9	220/3L	**43**
608516	6	220/3L	**43**
608517	3	220/3L	**43**
608518	0	220/3L	**43**
608519	7	220/3L	**43**
608520	3	220/3L	**43**
608521	0	220/3L	**43**
608522	7	220/3L	**43**
608523	4	220/3L	**43**
608524	1	220/3SL	**44**
608525	8	220/3SL	**44**
608526	5	220/3SL	**44**
608527	2	220/3SL	**44**
608528	9	220/3SL	**44**
608529	6	220/3SL	**44**
608530	2	220/3SL	**44**
608531	9	220/3SL	**44**
608532	6	220/3SL	**44**
608533	3	220/3LPH	**43**
608534	0	220/3SLPH	**44**
608538	8	914/3	**238**
608540	1	971/1BI	**350**
608541	8	971/2VDE	**350**
608542	5	940E1	**211**
608544	9	940E3	**211**
608545	6	940E4	**211**
608547	0	940E6	**212**
608554	8	660/6A	**189**
608668	2	405/4G	**86**
608669	9	405/4G	**86**
608670	5	405/4G	**86**
608671	2	667/6A	**189**
608673	6	406/4G	**87**
608674	3	406/4G	**87**
608675	0	406/4G	**87**
608676	7	406/4G	**87**
608677	4	406/4G	**87**
608686	6	441/4P	**95**
608690	3	445/4G	**96**
608692	7	445/4G	**96**
608694	1	455/4G	**91**
608697	2	461/4G	**90**
608698	9	461/4G	**90**
608700	9	466/4G	**91**
608701	6	478/4G	**97**
608704	7	472/4G	**93**
608705	4	472/4G	**93**
608710	8	508/4G	**92**
608711	5	508/4G	**92**
608712	2	506/4G	**91**
608713	9	506/4G	**91**
608720	7	512/4G	**92**
608721	4	512/4G	**92**
608723	8	530/4P	**103**
608724	5	530/4P	**103**
608725	2	530/4P	**103**
608726	9	530/4P	**103**
608727	6	531/4P	**104**
608728	3	531/4P	**104**
608729	0	531/4P	**104**
608730	6	531/4P	**104**
608815	0	300/6B	**296**
608816	7	300/6B	**296**
608817	4	300/6B	**296**
608821	1	300/6B	**296**
608837	2	466/1BI	**91**
608837	2	466/1BI	**113**
608850	1	466/1BI	**91**
608850	1	466/1BI	**113**
608879	2	193HXCB	**40**
608880	8	193TXCB	**41**
608922	5	636	**161**
608925	6	940ES3	**213**
608969	0	940ES5	**214**
608971	3	940ES7	**214**
608972	0	940ES8	**214**
608973	7	940ES9	**214**

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609083	2	177	**38**
609084	9	177	**38**
609085	6	177	**38**
609086	3	177	**38**
609087	0	177	**38**
609088	7	177	**38**
609089	4	177	**38**
609090	0	177	**38**
609091	7	177	**38**
609092	4	177	**38**
609093	1	177	**38**
609094	8	177	**38**
609095	5	177	**38**
609096	2	177	**38**
609097	9	177	**38**
609098	6	177	**38**
609099	3	177	**38**
609100	6	177CB	**39**
609102	0	176	**38**
609103	7	176	**38**
609104	4	176	**38**
609105	1	176	**38**
609106	8	176	**38**
609107	5	176	**38**
609108	2	176	**38**
609109	9	176	**38**
609110	5	176	**38**
609111	2	176	**38**
609112	9	176	**38**
609113	6	176	**38**
609114	3	176	**38**
609115	0	176	**38**
609116	7	176	**38**
609117	4	176	**38**
609118	1	176	**38**
609119	8	176	**38**
609120	4	176	**38**
609121	1	176	**38**
609122	8	176	**38**
609123	5	176	**38**
609124	2	176	**38**
609125	9	176	**38**
609126	6	176	**38**
609127	3	176	**38**
609128	0	176	**38**
609129	7	176	**38**
609130	3	176CB	**38**
609131	0	176CB	**38**
609132	7	202/1	**37**
609133	4	202/1	**37**
609134	1	202/1	**37**
609135	8	202/1	**37**
609136	5	202/1	**37**
609137	2	202/1	**37**
609138	9	202/1	**37**
609139	6	202/1	**37**
609141	9	202/1	**37**
609173	0	220/7TX	**44**
609174	7	220/7TX	**44**
609175	4	220/7TX	**44**
609176	1	220/7TX	**44**
609177	8	220/7TX	**44**
609178	5	220/7TX	**44**
609179	2	220/7TX	**44**
609190	7	466/4G	**91**
609192	1	455/1BI	**91**
609238	6	580/1BI	**112**
609238	6	580/1BI	**146**
609239	3	580/1BI	**112**
609239	3	580/1BI	**146**
609286	7	667/6AHS	**189**
609329	1	1000S	**349**
609330	7	1000T	**349**
609334	5	569R/7P	**145**
609335	2	567R/7P	**145**
609336	9	568R/7P	**145**
609337	6	193HXSCS	**41**
609365	9	710W	**269**
609366	6	190/1 12p	**63**
609367	3	190/1 12p	**63**
609368	0	190/1 12p	**63**
609369	7	190/1 12p	**63**
609370	3	190/1 12p	**63**
609371	0	190/1 12p	**63**
609372	7	190/1 12p	**63**
609373	4	190/1 12p	**63**
609374	1	190/1 12p	**63**
609375	8	190/1 12p	**63**
609376	5	190/1 12p	**63**
609377	2	190/1 12p	**63**
609378	9	190/1 12p	**63**
609379	6	190/1 12p	**63**
609380	2	190/1 12p	**63**
609381	9	190/1 12p	**63**
609382	6	190/1 12p	**63**
609383	3	197/1 6p	**72**
609384	0	197/1 6p	**72**
609385	7	197/1 6p	**72**
609386	4	197/1 6p	**72**
609387	1	197/1 6p	**72**
609388	8	197/1 6p	**72**
609390	1	197/1 6p	**72**
609391	8	197/1 6p	**72**
609392	5	197/1 6p	**72**
609393	2	197/1 6p	**72**
609394	9	197/1 6p	**72**
609396	3	197/1 6p	**72**
609397	0	197/1 6p	**72**
609399	4	231/4 6p	**77**
609400	7	231/4 6p	**77**
609401	4	231/4L6p	**77**
609402	1	231/4L6p	**77**
609403	8	232/4 6p	**79**
609404	5	232/4L6p	**79**
609405	2	583/6	**114**
609405	2	583/6	**146**
609406	9	583.1/7B	**146**
609407	6	755	**290**
609409	0	755.1	**290**
609423	6	757	**290**
609424	3	752	**290**
609447	2	997.1	**246**
609460	1	231.6/4	**79**
609478	6	997.1	**246**
609479	3	997.1	**246**
609480	9	997.1	**246**
609563	9	529/4PR	**104**

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610105	7	190/1 6p	**63**
610106	4	190/1 6p	**63**
610107	1	190/1 6p	**63**
610108	8	190/1 6p	**63**
610109	5	190/1 6p	**63**
610110	1	190/1 6p	**63**
610111	8	190/1 6p	**63**
610112	5	190/1 6p	**63**
610113	2	190/1 6p	**63**
610114	9	190/1 6p	**63**
610115	6	190/1 6p	**63**
610116	3	190/1 6p	**63**
610117	0	190/1 6p	**63**
610118	7	190/1 6p	**63**
610119	4	190/1 6p	**63**
610120	0	190/1 6p	**63**
610155	2	190/1 6p	**63**
610156	9	190/1 6p	**63**
610421	8	406/1VDEBI	**126**
610422	5	406/1VDEBI	**126**
610423	2	406/1VDEBI	**126**
610424	9	406/1VDEBI	**126**
610425	6	420/1VDEBI	**127**
610426	3	461/1VDEBI	**128**
610427	0	461/1VDEBI	**128**
610428	7	466/1VDEBI	**129**
610430	0	472/1VDEBI	**129**
610431	7	476/1VDEBI	**129**
610432	4	476/1VDEBI	**129**
610433	1	478/1VDEBI	**132**
610434	8	506/1VDEBI	**130**
610435	5	506/1VDEBI	**130**
610436	2	508/1VDEBI	**130**
610437	9	508/1VDEBI	**130**
610438	6	512/1VDEBI	**131**
610439	3	512/1VDEBI	**131**
610440	9	580/1VDEBI	**132**
610441	6	580/1VDEBI	**132**
610487	4	1200/1	**295**
610518	5	1210	**295**
610519	2	1210	**295**
610520	8	1210	**295**
610521	5	1210	**295**
610522	2	1210	**295**
610523	9	1210	**295**
610539	0	1216	**296**
610540	6	1216	**296**
610544	4	1216	**296**
610545	1	1216	**296**
610546	8	1216	**296**
610559	8	997.1	**246**
610560	4	997.1	**246**
610695	3	197.7/1	**74**
610716	5	1250	**269**
610717	2	1250	**269**
610718	9	1250	**269**
610719	6	1250	**269**
610720	2	1250	**269**
610721	9	1250	**269**
610722	6	1250	**269**
610723	3	1250	**269**
610724	0	1250	**269**
610725	7	1252	**269**
610726	4	1252	**269**
610727	1	1252	**269**
610728	8	1252	**269**
610729	5	1252	**269**
610730	1	1260/7	**269**
610731	8	1260/7	**269**
610732	5	1260/7	**269**
610733	2	1260/7	**269**
610734	9	1260/7	**269**
610736	3	1260/7A	**270**
610738	7	1260/7A	**270**
610739	4	1260/7A	**270**
610751	6	1272	**270**
610752	3	1272	**270**
610753	0	1272	**270**
610754	7	1272	**270**
610755	4	1272	**270**
610756	1	1272	**270**
610762	2	190/1L12p	**64**
610763	9	190/1L12p	**64**
610764	6	190/1L12p	**64**
610765	3	190/1L12p	**64**
610766	0	190/1L12p	**64**
610767	7	190/1L12p	**64**
610768	4	190/1L12p	**64**
610769	1	190/1L12p	**64**
610770	7	190/1L12p	**64**
610771	4	190/1L12p	**64**
610772	1	190/1L12p	**64**
610773	8	190/1L12p	**64**
610774	5	190/1L12p	**64**
610775	2	190/1L12p	**64**
610776	9	190/1L12p	**64**
610777	6	190/1L12p	**64**
610778	3	190/1L12p	**64**
610779	0	190/1L12p	**64**
610907	7	190.4/1S	**68**
610908	4	190.4/1S	**68**
610909	1	190.4/1S	**68**
610910	7	188.4/2S	**55**
610911	4	188.4/2S	**55**
610913	8	238.4/1S	**61**
610914	5	220/3PB1	**42**
610915	2	220/3LPB2	**43**
610916	9	220/3SPB1	**44**
610917	6	220/3SLPB2	**44**
610925	1	380	**100**
610925	1	380	**115**
610930	5	385H	**100**
610930	5	385H	**115**
610931	2	385G	**100**
610931	2	385G	**115**
610933	6	190.5/2	**68**
610945	9	568L/7P	**145**
610963	3	596/6A	**149**
610964	0	596/6A	**149**
610965	7	596/6A	**149**
610966	4	596/6A	**149**
610967	1	596/6A	**149**
610968	8	596/6A	**149**
610969	5	596.1/7A	**150**
610970	1	596.1/7A	**150**
610971	8	596.1/7A	**150**
610972	5	596.1/7A	**150**
610973	2	596.1/7A	**150**
610974	9	596.1/7A	**150**
610975	6	596/6B	**150**
610976	3	596/6B	**150**
610977	0	596.1/7B	**150**
610978	7	596.1/7B	**150**
610984	8	447/1BI	**95**
610986	2	220/3MH	**43**

611000

611018	9	110/1CB	**24**
611019	6	120/1CB	**28**
611020	2	120/1CB	**28**
611021	9	125/1CB	**29**
611022	6	125/1CB	**30**
611608	2	190.9/2ABI	**68**
611680	8	600TBI	**156**
611681	5	600TBI	**156**
611682	2	600TBI	**156**
611683	9	600TBI	**156**
611684	6	602TBI	**156**
611685	3	602TBI	**156**
611686	0	602TBI	**156**
611687	7	605TBI	**156**
611688	4	605TBI	**156**
611689	1	605TBI	**156**
611690	7	605TBI	**156**
611691	4	605TBI	**156**
611692	1	605TBI	**156**
611693	8	605TBI	**156**
611694	5	605TBI	**156**
611695	2	605TBI	**156**
611696	9	605TBI	**156**
611697	6	605TBI	**156**
611698	3	605TBI	**156**
611699	0	605TBI	**156**
611700	3	605TBI	**156**
611701	0	615TBI	**159**
611702	7	615TBI	**159**
611703	4	615TBI	**159**
611704	1	615TBI	**159**
611705	8	615TBI	**159**
611706	5	615TBI	**159**
611707	2	615TBI	**159**
611708	9	615TBI	**159**
611709	6	616TBI	**160**
611710	2	616TBI	**160**
611711	9	616TBI	**160**
611715	7	620TBI	**162**
611716	4	620TBI	**162**
611717	1	620TBI	**162**
611718	8	620TBI	**162**
611719	5	620TBI	**162**
611720	1	620TBI	**162**

611721	8	620TBI	**162**
611722	5	621TBI	**162**
611723	2	621TBI	**162**
611724	9	621TBI	**162**
611725	6	621TBI	**162**
611726	3	621TBI	**162**
611727	0	621TBI	**162**
611728	7	621TBI	**162**
611729	4	621TBI	**162**
611730	0	621TBI	**162**
611731	7	621TBI	**162**
611732	4	621TBI	**162**
611733	1	621TBI	**162**
611734	8	621/1TBI	**163**
611735	5	621/1TBI	**163**
611736	2	621/1TBI	**163**
611737	9	621/1TBI	**163**
611738	6	621/1TBI	**163**
611739	3	621/1TBI	**163**
611740	9	621/1TBI	**163**
611741	6	625TBI	**161**
611742	3	625TBI	**161**
611743	0	625TBI	**161**
611744	7	625TBI	**161**
611746	1	629TBI	**163**
611747	8	629TBI	**163**
611748	5	629TBI	**163**
611749	2	629TBI	**163**
611750	8	629TBI	**163**
611751	5	629TBI	**163**
611752	2	629TBI	**163**
611753	9	629TBI	**163**
611754	6	629TBI	**163**
611756	0	466/1VDEBI	**129**
611757	7	940E9	**213**
611762	1	129/1	**30**
611763	8	129/1	**30**
611764	5	129/1	**30**
611765	2	129/1	**30**
611766	9	129/1	**30**
611767	6	129/1	**30**
611768	3	129/1	**30**
611769	0	129/1	**30**
611770	6	129/1	**30**
611771	3	129/1	**30**
611772	0	129/1	**30**
611773	7	129/1	**30**
611775	1	129/1CS	**31**
611776	8	129/1CB	**31**
611780	5	442/1HYPO	**94**
611782	9	190.1/1ABI	**67**
611784	3	939/5E	**237**
611884	0	1000AD	**348**
611899	4	190.2/1BI	**68**
611900	7	190.2/1BI	**68**
611901	4	188.1/1ABI	**53**
611902	1	188.2/2BI	**54**
611905	2	220/3	**42**
611917	5	250/1	**27**
611918	2	250/1	**27**
611930	4	129/1	**30**
611939	7	190BI6P24	**70**
611940	3	190BI6P14	**70**
611941	0	190BI12P24	**72**
611943	4	190BI12P23IN	**71**
611944	1	190BI6P43	**71**
611945	8	190BITX1P22	**72**
611946	5	190BIHX1P20	**72**
611962	5	238.5/2	**61**
611985	4	607CS5TBI	**158**
611986	1	607CS7TBI	**158**
611987	8	609CS5TBI	**159**
611993	9	447/1VDEBI	**127**
611996	0	188BI	**57**

612000

612004	1	182/2A	**33**
612005	8	182/2A	**33**
612006	5	182/2A	**33**
612007	2	182/2A	**33**
612008	9	182/2A	**33**
612009	6	182/2A	**33**
612010	2	182/2A	**33**
612011	9	182/2A	**33**
612013	3	182/2A	**33**
612015	7	182/2A	**33**
612016	4	182/2A	**33**
612035	5	271	**271**
612036	2	238/1L6p	**60**
612037	9	238/1L6p	**60**
612038	6	238/1L6p	**60**
612039	3	238/1L6p	**60**
612040	9	238/1L6p	**60**
612041	6	238/1L6p	**60**
612042	3	238/1L6p	**60**
612043	0	238/1L6p	**60**
612044	7	238/1L6p	**60**
612045	4	238/1L6p	**60**
612046	1	238/1L6p	**60**
612047	8	238/1L6p	**60**
612048	5	238/1L6p	**60**
612049	2	238/1L6p	**60**
612050	8	238/1L6p	**60**
612060	7	230/4 6p	**76**
612062	1	230/4 6p	**76**
612063	8	230/4 6p	**76**
612064	5	230/4 6p	**76**
612065	2	230/4 6p	**76**
612066	9	230/4 6p	**76**
612067	6	230/4 6p	**76**
612069	0	230/4 6p	**76**
612070	6	230/4 6p	**76**
612071	3	230/4 6p	**76**
612073	7	230/4 6p	**76**
612074	4	230/4 6p	**76**
612075	1	230.4/4	**76**
612076	8	230.4/4	**76**
612077	5	230.6/4	**76**
612078	2	230.7/4	**77**
612079	9	230.8/4	**77**
612080	5	230.8/4	**77**
612082	9	236/2HX	**58**
612083	6	236/2HX	**58**
612084	3	236/2HX	**58**
612085	0	236/2HX	**58**
612086	7	236/2HX	**58**
612087	4	236/2HXL	**58**
612088	1	236/2HXL	**58**
612089	8	236/2HXL	**58**
612090	4	236/2HXL	**58**
612091	1	236/2HXL	**58**
612093	5	236/2PH	**58**
612094	2	236/2PH	**58**
612098	0	236/2SL	**58**
612099	7	236/2SL	**58**
612101	7	236/2TX	**58**
612102	4	236/2TX	**58**
612103	1	236/2TX	**58**
612104	8	236/2TX	**58**
612105	5	236/2TX	**58**
612106	2	236/2TX	**58**
612113	0	236/2ZX	**58**
612114	7	236/2ZX	**58**
612115	4	236/2ZX	**58**
612120	8	231.7/4	**79**
612121	5	237/1	**59**
612122	2	237/1	**59**
612123	9	237/1	**59**
612124	6	237/1	**59**
612125	3	237/1	**59**
612126	0	237/1	**59**
612131	4	710P	**268**
612132	1	710P	**268**
612133	8	710P	**268**
612134	5	710P	**268**
612135	2	710P	**268**
612136	9	556B	**296**
612137	6	556.1B	**297**
612138	3	940E4/1L	**212**
612161	1	220/3PB1	**42**
612162	8	190BI6P28	**70**
612163	5	753W	**290**
612164	2	753P	**290**
612165	9	192/2ZX	**65**
612166	6	192/2ZX	**65**
612167	3	192/2ZX	**65**
612168	0	192/2ZX	**65**
612169	7	192/2ZX	**65**
612170	3	192/2ZX	**65**
612171	0	192/2ZXL	**65**
612172	7	192/2ZXL	**65**
612173	4	192/2ZXL	**65**
612174	1	192/2ZXL	**65**
612175	8	110/2VDEDP	**122**
612176	5	110/2VDEDP	**122**
612177	2	110/2VDEDP	**122**
612178	9	110/2VDEDP	**122**
612179	6	110/2VDEDP	**122**
612180	2	110/2VDEDP	**122**
612181	9	110/2VDEDP	**122**
612182	6	110/2VDEDP	**122**
612183	3	110/2VDEDP	**122**
612184	0	110/2VDEDP	**122**
612185	7	180/2VDEDP	**122**
612186	4	180/2VDEDP	**122**
612187	1	180/2VDEDP	**122**
612188	8	180/2VDEDP	**122**
612189	5	180/2VDEDP	**122**
612190	1	180/2VDEDP	**122**
612191	8	180/2VDEDP	**122**
612192	5	180/2VDEDP	**122**
612193	2	180/2VDEDP	**122**
612194	9	180/2VDEDP	**122**
612195	6	190/2VDEDP	**124**
612196	3	190/2VDEDP	**124**
612197	0	190/2VDEDP	**124**
612198	7	190/2VDEDP	**124**
612199	4	190/2VDEDP	**124**
612200	7	190/2VDEDP	**124**
612201	4	190/2VDEDP	**124**
612202	1	190/2VDEDP	**124**
612203	8	190/2VDEDP	**124**
612204	5	190.4/2VDEDP	**125**
612205	2	190.4/2VDEDP	**125**
612206	9	190.1VDE	**125**
612208	3	994	**203**
612215	1	948E1	**242**
612216	8	948E2	**242**
612220	5	946AC	**215**
612221	2	806	**184**
612222	9	806	**184**
612223	6	806	**184**
612224	3	806	**184**
612228	1	777/6A	**295**
612233	5	777/6C	**295**
612234	2	777/6C	**295**
612235	9	777/6C	**295**
612236	6	755	**290**
612237	3	755.1	**290**
612300	4	621CS7TBI	**162**
612308	0	621/1CS7TBI	**163**
612318	9	629CS5TBI	**163**
612326	4	608CS5TBI	**159**
612327	1	461/4P	**90**
612328	8	946A	**215**
612329	5	946CWR	**229**
612330	1	990CA	**229**
612331	8	946ACR	**216**
612422	3	192/2TXL	**65**
612423	0	192/2TXL	**65**
612424	7	192/2TXL	**65**
612425	4	192/2TXL	**65**
612426	1	192/2TXL	**65**
612427	8	192/2TXL	**65**
612428	5	192/2TXL	**65**
612429	2	192/2TXL	**65**
612430	8	192/2TXL	**65**
612501	5	238.1/1ABI	**60**
612502	2	238.2/1BI	**61**
612506	0	231/4PB1	**78**
612507	7	231/4PB2	**79**
612508	4	231/4PB3	**79**
612509	1	239A	**62**
612548	0	971/3VDE	**350**
612565	7	190.4/2	**68**
612568	8	182/2ACB	**33**
612599	2	400	**107**
612603	6	680/2	**174**
612604	3	682/2	**176**
612672	2	629TBI	**163**
612676	0	110/2VDEDPCB	**122**
612677	7	180/2VDEDPCB	**123**
612678	4	190VDE6P11A	**125**
612694	4	981K3/8R	**240**
612701	9	183/2	**33**
612702	6	183/2	**33**
612703	3	183/2	**33**
612704	0	183/2	**33**
612705	7	183/2	**33**
612706	4	183/2	**33**
612707	1	183/2	**33**
612708	8	183/2	**33**
612709	5	183/2	**33**
612779	8	190BI6P23	**70**
612782	8	514/1BI	**96**
612782	8	514/1BI	**115**
612789	7	710R	**269**
612790	3	710R	**269**
612791	0	710R	**269**
612792	7	710R	**269**
612793	4	710R	**269**
612794	1	710R	**269**
612795	8	710R	**269**
612796	5	710R	**269**
612797	2	602TBI	**156**
612798	9	602TBI	**156**
612799	6	602TBI	**156**
612800	9	602TBI	**156**
612801	6	602TBI	**156**
612802	3	602TBI	**156**
612803	0	602TBI	**156**
612804	7	602TBI	**156**
612805	4	602TBI	**156**
612806	1	602TBI	**156**
612810	8	605TBI	**156**
612811	5	605TBI	**156**
612812	2	605TBI	**156**
612813	9	605TBI	**156**
612814	6	605TBI	**156**
612815	3	605TBI	**156**
612816	0	605TBI	**156**
612817	7	605TBI	**156**
612818	4	605TBI	**156**
612819	1	605TBI	**156**
612830	6	626TBI	**160**
612831	3	626TBI	**160**
612832	0	627TBI	**157**
612833	7	627TBI	**157**
612834	4	627TBI	**157**
612835	1	627TBI	**157**
612837	5	628TBI	**161**
612838	2	628TBI	**161**
612866	5	633	**165**
612867	2	188.9	**55**
612868	9	188.4/2F	**55**
612869	6	487/2P	**108**
612870	2	251/4	**27**
612871	9	251/4	**27**
612872	6	251/4	**27**
612873	3	251/4	**27**
612874	0	231/4ATX	**78**
612875	7	231/4ATX	**78**
612876	4	231/4ATX	**78**
612877	1	231/4ATX	**78**
612878	8	231/4ATX	**78**
612879	5	231/4ATX	**78**
612880	1	231/4TX	**78**
612881	8	231/4TX	**78**
612882	5	231/4TX	**78**
612883	2	231/4TX	**78**
612884	9	231/4TX	**78**
612885	6	231/4TX	**78**
612886	3	231/4TX	**78**
612892	4	182/2BTX	**33**
612893	1	182/2BTX	**33**
612894	8	182/2BTX	**33**
612895	5	182/2BTX	**33**
612908	2	948E1.1	**242**
612929	7	762/5B	**293**
612930	3	762/5B	**293**
612931	0	762/5 1/2S	**293**
612932	7	762/5 1/2S	**293**
612933	4	762/5S	**293**
612934	1	762/5S	**293**
612984	6	596/6A	**149**
612985	3	183/2CB	**34**
612986	0	183/2CB	**34**
612988	4	528/4BP	**106**
612989	1	960/6	**239**
612992	1	760HB	**292**
612993	8	760HB	**292**
612994	5	760HB	**292**
612995	2	760H1/2S	**292**
612996	9	760H1/2S	**292**
612997	6	760H1/2S	**292**
612998	3	760HS	**292**
612999	0	760HS	**292**

613000

613001	9	760HS	**292**
613002	6	761HB	**292**
613003	3	761HB	**292**
613004	0	761HB	**292**
613005	7	761H1/2S	**292**
613006	4	761H1/2S	**292**
613007	1	761H1/2S	**292**
613008	8	761HS	**292**
613009	5	761HS	**292**
613011	8	763HB	**293**
613012	5	763HB	**293**
613013	2	763HB	**293**
613014	9	763H1/2S	**293**
613015	6	763H1/2S	**293**
613016	3	763H1/2S	**293**
613017	0	763HS	**294**
613018	7	763HS	**294**
613020	0	764HB	**294**
613021	7	764HB	**294**
613022	4	764HB	**294**
613023	1	764H1/2S	**294**
613024	8	764H1/2S	**294**
613025	5	764H1/2S	**294**
613026	2	764HS	**294**
613027	9	764HS	**294**
613029	3	765HB	**294**
613030	9	765HB	**294**
613031	6	765HB	**294**
613032	3	765H1/2S	**294**
613033	0	765H1/2S	**294**
613034	7	765H1/2S	**294**
613035	4	765HS	**294**
613036	1	765HS	**294**
613038	5	767H1/2S	**294**
613039	2	767H1/2S	**294**
613041	5	768H1/2S	**294**
613042	2	768H1/2S	**294**
613043	9	768H1/2S	**294**
613049	1	254	**36**
613050	7	255/2	**36**
613051	4	255/2	**36**
613052	1	255/2	**36**
613053	8	255/2	**36**
613054	5	255/2	**36**
613055	2	255/2	**36**
613056	9	255/2	**36**
613057	6	255/2	**36**
613058	3	255/2	**36**
613059	0	255/2	**36**
613060	6	255/2	**36**
613061	3	255/2	**36**
613062	0	255/2	**36**
613063	7	255/2	**36**
613072	9	239C	**62**
613073	6	239D	**63**
613078	1	596.1/7A	**150**
613089	7	220/7TXPH	**44**
613101	6	429/3	**104**
613102	3	429/3	**104**
613103	0	300/2C	**296**
613104	7	300/2C	**296**
613105	4	300/2C	**296**
613106	1	300CCB	**296**
613196	2	592R-PLUS/7DP	**144**
613222	8	112/2	**26**

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614007	0	600CS5TBI	**156**

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615027	7	255/2F	**37**
615028	4	255/2F	**37**
615029	1	255/2F	**37**
615030	7	255/2F	**37**
615031	4	255/2F	**37**
615032	1	449/1PYTHON	**94**
615033	8	449.1	**94**
615034	5	819A	**185**
615035	2	592R/7PR	**145**
615037	6	563R/7PR	**144**
615038	3	563L/7PR	**144**
615039	0	563R-PLUS/7DP	**144**
615040	6	563L-PLUS/7DP	**144**
615042	0	572L/7PR	**144**
615047	5	636PL	**161**
615048	2	636PH	**161**
615049	9	636A	**161**
615076	5	683/2	**175**
615077	2	683/2	**175**
615078	9	683/2	**175**
615079	6	683/2	**175**

615080	2	683/2	**175**
615081	9	683/2	**175**
615147	2	183/2	**33**
615148	9	250/1	**27**
615150	2	188B	**56**
615151	9	188C	**56**
615156	4	255/2CT	**37**
615158	8	573/7P	**145**
615159	5	573/7P	**145**
615160	1	573/7P	**145**
615161	8	573/7P	**145**
615162	5	573/7P	**145**
615173	1	192/2HXVDEDP	**124**
615174	8	192/2HXVDEDP	**124**
615175	5	192/2HXVDEDP	**124**
615176	2	192/2HXVDEDP	**124**
615177	9	192/2HXVDEDP	**124**
615178	6	190.5/2VDEDP	**125**
615179	3	938/3V	**236**
615180	9	190BI6P22IN	**70**
615195	3	233/4 6p	**80**
615196	0	233/4 6p	**80**
615197	7	233/4 6p	**80**
615198	4	233/4 6p	**80**
615199	1	233/4 6p	**80**
615200	4	233/4 6p	**80**
615201	1	233/4 6p	**80**
615202	8	233/4 6p	**80**
615203	5	233/4 6p	**80**
615204	2	233/4 6p	**80**
615205	9	233/4 6p	**80**
615206	6	233/4 6p	**80**
615207	3	233/4 6p	**80**
615208	0	233/4 6p	**80**
615209	7	233/4 6p	**80**
615210	3	233/4 6p	**80**
615211	0	233/4 6p	**80**
615212	7	233/4 6p	**80**
615213	4	233/4 6p	**80**
615214	1	233.4/4	**80**
615215	8	233.4/4	**80**
615216	5	233.6/4	**81**
615217	2	233.7/4	**81**
615218	9	231/4AHX	**78**
615219	6	231/4AHX	**78**
615220	2	231/4AHX	**78**
615221	9	231/4AHX	**78**
615222	6	231/4AHX	**78**
615223	3	231/4AHX	**78**
615224	0	231/4AHX	**78**
615225	7	231/4AHX	**78**
615226	4	585/6	**112**
615226	4	585/6	**146**
615227	1	231/4PB4	**79**
615229	5	216/1	**39**
615230	1	216/1	**39**
615231	8	216/1	**39**
615232	5	216/1	**39**
615233	2	216/1	**39**
615234	9	216/1	**39**
615235	6	216/1	**39**
615236	3	216/1	**39**
615243	1	216.1	**40**
615244	8	216.1	**40**
615252	3	216/1CB	**40**
615254	7	233.8/4	**81**
615255	4	233.8/4	**81**
615256	1	596PLUS/6G	**148**
615257	8	596PLUS/6G	**148**
615258	5	596.1PLUS/7	**148**
615259	2	596.1PLUS/7	**148**
615260	8	596.2PLUS/7	**149**
615261	5	596.2PLUS/7	**149**
615262	2	117/4	**26**
615263	9	117/4	**26**
615264	6	117/4	**26**
615265	3	117/4	**26**
615267	7	117/4	**26**
615268	4	117/4	**26**
615269	1	117/4	**26**
615270	7	117/4	**26**
615271	4	117/4	**26**
615272	1	117/4	**26**
615273	8	117/4	**26**
615274	5	117/4	**26**
615275	2	117/4	**26**
615276	9	117/4	**26**
615277	6	117/4	**26**
615278	3	117/4	**26**
615279	0	117/4	**26**
615280	6	117/4	**26**
615281	3	117/4	**26**
615282	0	117/4	**26**
615283	7	117/4	**26**
615285	1	117/4	**26**
615318	6	1531	**250**
615319	3	1551	**251**
615320	9	1541	**251**
615321	6	1562	**252**
615322	3	1561	**252**
615324	7	1571	**253**
615325	4	1591	**254**
615326	1	1592	**255**
615327	8	190BI12P23	**71**
615454	1	1300/6	**297**
615464	0	CT129	**31**
615465	7	110/1CT	**25**
615467	1	183/2CT	**34**
615472	5	202/1CT	**37**
615475	6	120/1CT	**29**
615478	7	125/1CT	**30**
615480	0	CT110	**25**
615485	5	264	**267**
615486	2	264	**267**
615487	9	264	**267**
615488	6	264	**267**
615489	3	264	**267**
615490	9	264	**267**
615491	6	264	**267**
615494	7	385VDEDP	**137**
615502	9	753VDP	**137**
615510	4	940H1	**205**
615511	1	940H2	**205**
615512	8	940H3	**206**
615516	6	1565	**253**

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616296	6	220/7TX	**44**
616320	8	606CS5TBI	**158**
616322	2	600CR	**156**
616323	9	600CR	**156**
616324	6	600CR	**156**
616325	3	600CR	**156**
616338	3	605CR	**157**
616339	0	605CR	**157**
616340	6	605CR	**157**
616341	3	605CR	**157**
616342	0	605CR	**157**
616343	7	605CR	**157**
616344	4	605CR	**157**
616345	1	605CR	**157**
616346	8	605CR	**157**
616347	5	605CR	**157**
616348	2	605CR	**157**
616349	9	605CR	**157**
616350	5	605CR	**157**
616351	2	605CR	**157**
616352	9	605CR	**157**
616353	6	605CR	**157**
616354	3	605CR	**157**
616355	0	605CR	**157**
616356	7	605CR	**157**
616357	4	605CR	**157**
616358	1	605CR	**157**
616359	8	605CR	**157**
616360	4	612CR	**159**
616361	1	612CR	**159**
616362	8	612CR	**159**
616363	5	615CR	**159**
616364	2	615CR	**159**
616365	9	615CR	**159**
616366	6	615CR	**159**
616367	3	615CR	**159**
616368	0	615CR	**159**
616369	7	615CR	**159**
616370	3	616CR	**160**
616371	0	616CR	**160**
616372	7	616CR	**160**
616379	6	621CR	**162**
616380	2	621CR	**162**
616381	9	621CR	**162**
616382	6	621CR	**162**
616383	3	621CR	**162**
616384	0	621CR	**162**
616385	7	621CR	**162**
616386	4	621CR	**162**
616387	1	621CR	**162**
616388	8	621CR	**162**
616389	5	621CR	**162**
616393	2	625CR	**161**
616394	9	625CR	**161**
616395	6	625CR	**161**
616396	3	625CR	**161**
616397	0	626CR	**160**
616398	7	626CR	**160**
616399	4	627CR	**157**
616400	7	627CR	**157**
616401	4	627CR	**157**
616402	1	628CR	**162**
616403	8	628CR	**162**
616404	5	629CR	**163**
616406	9	629CR	**163**
616407	6	629CR	**163**
616408	3	629CR	**163**
616409	0	629CR	**163**
616410	6	629CR	**163**
616411	3	629CR	**163**
616413	7	629CR	**163**
616414	4	629CR	**163**
616415	1	629CR	**163**
616418	2	629CR	**163**
616419	9	605NI	**157**
616420	5	605NI	**157**
616421	2	605NI	**157**
616422	9	605NI	**157**
616423	6	605NI	**157**
616424	3	605NI	**157**
616425	0	605NI	**157**
616426	7	605NI	**157**
616427	4	605NI	**157**
616428	1	615NI	**160**
616429	8	615NI	**160**
616430	4	615NI	**160**
616431	1	615NI	**160**
616433	5	625NI	**161**
616434	2	625NI	**161**
616436	6	603VDETBI	**133**
616437	3	603VDETBI	**133**
616438	0	603VDETBI	**133**
616439	7	603VDETBI	**133**
616440	3	603VDETBI	**133**
616441	0	603VDETBI	**133**
616442	7	603VDETBI	**133**
616443	4	613VDETBI	**133**
616444	1	613VDETBI	**133**
616445	8	613VDETBI	**133**
616446	5	613VDETBI	**133**
616447	2	613VDETBI	**133**
616448	9	620VDETBI	**134**
616449	6	620VDETBI	**134**
616450	2	620VDETBI	**134**
616451	9	620VDETBI	**134**
616452	6	620VDETBI	**134**
616453	3	620VDETBI	**134**
616454	0	621VDETBI	**134**
616455	7	621VDETBI	**134**
616456	4	621VDETBI	**134**
616457	1	621VDETBI	**134**
616458	8	621VDETBI	**134**
616459	5	621VDETBI	**134**
616460	1	623VDETBI	**134**
616461	8	623VDETBI	**134**
616462	5	623VDETBI	**134**
616463	2	623VDETBI	**134**
616464	9	629VDETBI	**134**
616465	6	629VDETBI	**134**
616466	3	629VDETBI	**134**
616467	0	629VDETBI	**134**
616468	7	629VDETBI	**134**
616469	4	629VDETBI	**134**
616470	0	603VDE	**133**
616471	7	603VDE	**133**
616472	4	603VDE	**133**
616473	1	603VDE	**133**
616474	8	603VDE	**133**
616475	5	603VDE	**133**
616476	2	603VDE	**133**
616477	9	603VDE	**133**
616478	6	613VDE	**133**
616479	3	613VDE	**133**
616480	9	613VDE	**133**
616481	6	613VDE	**133**
616482	3	623VDE	**134**
616483	0	623VDE	**134**
616484	7	623VDE	**134**
616485	4	623VDE	**134**
616493	9	436/4P	**106**
616494	6	436/4P	**106**
616521	9	596.3PLUS/7	**149**
616522	6	596.3PLUS/7	**149**
616652	0	950/6	**246**
616706	0	701A	**271**
616721	3	434/3A	**105**
616722	0	434/3B	**105**
616723	7	434/3C	**105**
616724	4	434/3D	**106**
616727	5	442/1HYPO	**94**
616732	9	585/6	**112**
616732	9	585/6	**146**
616734	3	532/1P	**100**
616736	7	539/1PCT	**102**
616737	4	534/1P	**101**
616740	4	536/1P	**101**
616743	5	538/1P	**102**
616745	9	120/1	**27**
616746	6	120/1	**27**
616747	3	120/1	**27**
616748	0	120/1	**27**
616749	7	120/1	**27**
616752	7	120/1	**27**
616753	4	120/1	**27**
616754	1	120/1	**27**
616755	8	120/1	**27**
616756	5	120/1	**28**
616757	2	120/1	**28**
616763	3	231/4P	**77**
616764	0	231/4P	**77**
616765	7	231/4P	**77**
616771	8	233/4L6p	**80**
616772	5	233/4L6p	**80**
616773	2	233/4L6p	**80**
616774	9	233/4L6p	**80**
616775	6	233/4L6p	**80**
616776	3	233/4L6p	**80**
616777	0	233/4L6p	**80**
616778	7	233/4L6p	**80**
616779	4	233/4L6p	**80**
616780	0	233/4L6p	**80**
616781	7	233/4L6p	**80**
616782	4	233/4L6p	**80**
616783	1	233/4L6p	**80**
616784	8	233/4L6p	**80**
616785	5	233/4L6p	**80**
616786	2	233/4L6p	**80**
616787	9	233/4L6p	**80**
616788	6	233/4L6p	**80**
616789	3	233/4L6p	**80**
616790	9	234/4 6p	**81**
616791	6	234/4 6p	**81**
616793	0	234/4 6p	**81**
616794	7	234/4 6p	**81**
616795	4	234/4 6p	**81**
616796	1	234/4 6p	**81**
616800	5	234.7/4	**81**
616802	9	265	**267**
616803	6	265	**267**
616804	3	280	**268**
616805	0	280	**268**
616808	1	188.10	**56**
616809	8	188.10	**56**
616810	4	642A	**187**
616812	8	778/4	**295**
616813	5	778/4	**295**
616814	2	778/4	**295**
616815	9	778/4	**295**
616816	6	778/4	**295**
616817	3	778/4	**295**
616820	3	778/4PB	**295**
616821	0	778/4PB	**295**
616822	7	778/4PB	**295**
616830	2	778/4APB	**295**
616843	2	602TBI	**156**
616844	9	602TBI	**156**
616847	0	1340VDP	**137**
616848	7	1341VDP	**137**
616849	4	250/1VDP	**122**
616850	0	250/1VDP	**122**
616851	7	250/1VDP	**122**
616853	1	556A	**296**
616857	9	188/2 12p	**53**
616858	6	188/2 12p	**53**
616859	3	188/2 12p	**53**
616860	9	188/2 12p	**53**
616861	6	188/2 12p	**53**
616862	3	188/2 12p	**53**
616863	0	188/2 12p	**53**
616864	7	188/2 12p	**53**
616865	4	188/2 12p	**53**
616866	1	188/2 12p	**53**
616867	8	188/2 12p	**53**
616868	5	188/2 12p	**53**
616869	2	188/2 12p	**53**
616870	8	188/2 12p	**53**
616871	5	188/2 12p	**53**
616872	2	188/2 12p	**53**
616873	9	188/2 12p	**53**
616874	6	188/2 12p	**53**
616875	3	188/2 12p	**53**
616876	0	188/2 12p	**53**
616877	7	188/2 12p	**53**
616878	4	188/2 12p	**53**
616879	1	188/2 12p	**53**
616880	7	188/2 12p	**53**
616881	4	188/2L6p	**53**
616882	1	188/2L6p	**53**
616883	8	188/2L6p	**53**
616884	5	188/2L6p	**53**
616885	2	188/2L6p	**53**
616886	9	188/2L6p	**53**
616887	6	188/2L6p	**53**
616888	3	188/2L6p	**53**
616889	0	188/2L6p	**53**
616890	6	188/2L6p	**53**
616891	3	188/2L6p	**53**
616892	0	188/2L6p	**53**
616893	7	188/2L6p	**53**
616905	7	238/1 12p	**59**
616906	4	238/1 12p	**59**
616907	1	238/1 12p	**59**
616908	8	238/1 12p	**59**
616909	5	238/1 12p	**59**
616910	1	238/1 12p	**59**
616911	8	238/1 12p	**59**
616912	5	238/1 12p	**59**
616913	2	238/1 12p	**59**
616914	9	238/1 12p	**59**
616915	6	238/1 12p	**59**
616916	3	238/1 12p	**59**
616917	0	238/1 12p	**59**
616918	7	238/1 12p	**59**
616919	4	238/1 12p	**59**
616920	0	238/1 12p	**59**
616921	7	238/1 12p	**59**
616922	4	238/1 12p	**59**
616923	1	238/1 12p	**59**
616924	8	238/1 12p	**59**
616925	5	238/1 12p	**59**
616926	2	238/1 12p	**59**
616927	9	238/1 12p	**59**
616928	6	238/1 12p	**59**
616929	3	238/1 12p	**59**
616930	9	238/1 12p	**59**
616931	6	238/1 12p	**59**
616932	3	238/1 12p	**59**
616933	0	238/1 12p	**59**
616934	7	238/1 12p	**59**
616935	4	238/1 12p	**59**
616966	8	220/3	**42**
616967	5	220/3	**42**
616975	0	220/3L	**43**
616976	7	220/3L	**43**
616977	4	220/3L	**43**
616978	1	220/3L	**43**
616979	8	220/3L	**43**
616980	4	220/3L	**43**
616981	1	220/3L	**43**
616982	8	220/3L	**43**
616983	5	220/3L	**43**
616984	2	220/3L	**43**
616985	9	220/3L	**43**
616986	6	220/3L	**43**
616987	3	220/3L	**43**
616988	0	220/3L	**43**
616989	7	220/3L	**43**
616990	3	220/3L	**43**
616991	0	220/7TXN	**45**
616992	7	220/7TXN	**45**
616993	4	220/7TXN	**45**
616994	1	220/7TXN	**45**
616995	8	220/7TXN	**45**

616996	5	220/7TXN	**45**
616997	2	220/7TXN	**45**
616998	9	220/7TXN	**45**
616999	6	220/7TXN	**45**

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617000	8	220/7TXN	**45**
617001	5	220/7TXN	**45**
617017	6	606CS5CR	**157**
617021	3	607B5CR	**158**
617026	8	607CS7CR	**158**
617028	2	608CS5CR	**158**
617030	5	609CS7CR	**159**
617031	2	621CS7CR	**162**
617032	9	629CS7CR	**163**
617033	6	606B5NI	**157**
617037	4	607B5NI	**158**
617041	1	608CS5NI	**159**
617042	8	603CS6VDETBI	**136**
617043	5	603CS6TVDETBI	**136**
617044	2	603CS6VDE	**136**
617045	9	603CS6TVDE	**136**
617048	0	620CS6VDETBI	**136**
617049	7	621CS6VDETBI	**136**
617050	3	629CS6VDETBI	**136**
617053	4	217/2	**40**
617054	1	217/2	**40**
617055	8	217/2	**40**
617057	2	217/2	**40**
617059	6	217/2	**40**
617060	2	217/2	**40**
617061	9	217/2	**40**
617063	3	217/2	**40**
617065	7	217/2	**40**
617066	4	217/2	**40**
617070	1	217/2	**40**
617077	0	220/7TXNPH	**45**
617079	4	220/3PH	**42**
617080	0	220/3LPH	**43**
617082	4	220/3LPH	**43**
617088	6	626TBI	**160**
617092	3	627TBI	**157**
617095	4	628TBI	**161**
617100	5	920PLUS1	**207**
617101	2	920PLUS2	**207**
617115	9	950/2	**246**
617116	6	950/9	**246**
617117	3	239A12P24	**62**
617118	0	188BI12P16	**57**
617119	7	197MB3	**75**
617122	7	238/1 12p	**59**
617125	8	192/15	**66**
617126	5	234.8/4	**81**
617127	2	234.8/4	**81**
617128	9	620/1CR	**162**
617129	6	620/1CR	**162**
617130	2	620/1CR	**162**
617146	3	220FH	**42**
617147	0	220/3SFH	**44**
617149	4	220FH	**42**
617150	0	220/7TXNFH	**45**
617154	8	1262/5A	**270**
617155	5	1262/5A	**270**
617156	2	1262/5A	**270**
617157	9	1262/5A	**270**
617158	6	1262/5A	**270**
617161	6	1575	**254**
617175	3	950/3V	**246**
617177	7	950.3	**245**
617187	6	950.4	**246**
617188	3	950.1	**245**
617227	9	940ECO	**215**
617227	9	940ECO	**215**
617246	0	250/1ADP	**27**
617247	7	250/1ADP	**27**
617248	4	250/1ADP	**27**
617249	1	250/1ADP	**27**
617269	9	940ECOS1	**215**
617303	0	233.7/4	**81**
617527	0	197/1 6p	**72**
617571	3	905VDEBI	**138**
617571	3	905VDEBI	**350**
617573	7	906VDEBI	**138**
617573	7	906VDEBI	**351**
617631	4	238.1/1ALBI	**60**
617653	6	603CS6AVT	**135**
617654	3	603CS6ATVT	**135**
617655	0	603CS6AVDE	**135**
617656	7	603CS6ATVD	**135**
617657	4	197.6/1	**74**
617658	1	199.6/1	**76**
617659	8	630VDE	**134**
617660	4	630VDE	**134**
617661	1	300/2	**296**
617662	8	236/2HX	**58**
617663	5	236/2HX	**58**
617664	2	236/2HX	**58**
617665	9	236/2HX	**58**
617666	6	236/2HX	**58**
617667	3	236/2HX	**58**
617668	0	236/2HX	**58**
617669	7	236/2HX	**58**
617672	7	585/6P	**146**
617686	4	466/1BI	**91**
617686	4	466/1BI	**113**
617687	1	466/4G	**91**
617689	5	234.6/4	**81**
617690	1	1596	**255**
617691	8	1597	**255**
617692	5	1279	**271**
617693	2	1263	**270**
617694	9	1263	**270**
617695	6	1263	**270**
617696	3	1263	**270**
617697	0	1263	**270**
617698	7	272	**271**
617704	5	1280	**271**
617707	6	1280	**271**
617709	0	234.4/4	**81**
617713	7	1510	**256**
617714	4	1514	**256**
617715	1	1514	**256**
617716	8	1514.1B	**256**
617717	5	1514.2B	**257**
617718	2	1514A1	**256**
617719	9	1514A2	**256**
617720	5	1514A3	**256**
617721	2	1514A4	**257**
617722	9	1514A5	**257**
617723	6	1514A6	**257**
617724	3	1299	**271**
617725	0	1290/5	**271**
617726	7	1515	**257**
617727	4	1515H	**257**
617729	8	1517S	**258**
617730	4	1518	**259**
617731	1	1516	**258**
617732	8	1516A	**258**
617733	5	1510	**256**
617735	9	1500	**259**
617736	6	1501	**259**
617737	3	1502	**259**
617743	4	1505	**260**
617744	1	1505	**260**
617745	8	1505	**260**
617746	5	1505	**260**
617747	2	1505	**260**
617748	9	1505	**260**
617767	0	1508A	**259**
617768	7	1508B	**259**
617773	1	639A	**298**
617774	8	639B	**298**
617775	5	639C	**299**
617776	2	639D	**299**
617777	9	639PB	**299**
617793	9	1506KZ7	**260**
617794	6	1506KZ7	**260**
617795	3	1506KN7	**260**
617796	0	1506KN7	**260**
617797	7	1507Z7	**260**
617798	4	1507Z7	**260**
617801	1	110/2VDEDP	**122**
617802	8	110/2VDEDP	**122**
617803	5	190/2VDEDP	**124**
617804	2	190/2VDEDP	**124**
617818	9	402A	**86**
617823	3	920ES3	**207**
617933	9	402B	**86**

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618331	2	110/2VDEDP	**122**
618333	6	110/2VDEDP	**122**
618335	0	110/2VDEDP	**122**
618336	7	110/2VDEDP	**122**
618337	4	110/2VDEDP	**122**
618367	1	188.1/1FBI	**54**
618368	8	238.1/1FBI	**60**
618369	5	190.1/1FBI	**66**
618370	1	110/2VDEDP	**122**
618460	9	940ECOES7	**215**
618483	8	1507Z7	**260**
618491	3	120/1	**28**
618492	0	120/1	**28**
618493	7	120/1	**28**
618494	4	120/1	**28**
618495	1	120/1	**28**
618496	8	120/1	**28**
618497	5	120/1	**28**
618498	2	120/1	**28**
618499	9	120/1	**28**
618500	2	120/1	**28**
618501	9	120/1	**28**
618502	6	120/1	**28**
618503	3	120/1	**28**
618504	0	120/1	**28**
618505	7	120/1	**28**
618506	4	120/1	**28**
618507	1	120/1	**28**
618508	8	120/1	**28**
618509	5	120/1	**28**
618510	1	120/1	**28**
618511	8	120/1	**28**
618512	5	120/1	**28**
618513	2	120/1	**28**
618514	9	120/1	**27**
618515	6	120/1	**28**
618516	3	120/1	**28**
618517	0	120/1	**27**
618518	7	120/1	**28**
618566	8	125/1	**29**
618570	5	125/1	**29**
618575	0	215/2	**39**
618577	4	215/2	**39**
618620	7	585.1/7	**112**
618620	7	585.1/7	**146**
618621	4	585.1/7	**112**
618621	4	585.1/7	**146**
618622	1	585.1/7P	**146**
618623	8	114/2	**26**
618624	5	114/2	**26**
618625	2	114/2	**26**
618626	9	114/2	**26**
618627	6	114/2	**26**
618628	3	114/2	**26**
618629	0	114/2	**26**
618630	6	114/2	**26**
618631	3	114/2	**26**
618632	0	114/2	**26**
618633	7	114/2	**26**
618634	4	114/2	**26**
618635	1	114/2	**26**
618636	8	114/2	**26**
618637	5	114/2	**26**
618651	1	125/1	**29**
618652	8	125/1	**29**
618666	5	197/1 12p	**73**
618667	2	197/1 12p	**73**
618668	9	197/1 12p	**73**
618669	6	197/1 12p	**73**
618670	2	197/1 12p	**73**
618671	9	197/1 12p	**73**
618672	6	197/1 12p	**73**
618673	3	197/1 12p	**73**
618674	0	197/1 12p	**73**
618675	7	197/1 12p	**73**
618676	4	197/1 12p	**73**
618677	1	197/1 12p	**73**
618678	8	197/1 12p	**73**
618679	5	197/1 12p	**73**
618680	1	197/1 12p	**73**
618681	8	197/1 12p	**73**
618682	5	188/2 6p	**52**
618683	2	188/2 6p	**52**
618684	9	188/2 6p	**52**
618685	6	188/2 6p	**52**
618686	3	188/2 6p	**52**
618687	0	188/2 6p	**52**
618688	7	188/2 6p	**52**
618689	4	188/2 6p	**52**
618690	0	188/2 6p	**52**
618691	7	188/2 6p	**52**
618692	4	188/2 6p	**52**
618693	1	188/2 6p	**52**
618697	9	188/2L6p	**53**
618699	3	199/1 12p	**75**
618701	3	188.10A	**56**
618702	0	188.10A	**56**
618703	7	188.10A	**56**
618708	2	232.7/4	**80**
618761	7	231/4ATX	**78**
618893	5	492/6	**108**
618894	2	492/6	**108**

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619016	7	231/4PL	**78**
619017	4	231/4PL	**78**
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619021	1	722.1/7	**289**
619023	5	722.1/7	**289**
619026	6	722.1AL	**289**
619027	3	722.1AL	**289**
619029	7	722.1AL	**289**
619088	4	188H	**56**
619089	1	238H	**63**
619090	7	190H	**69**
619098	3	750VDP	**137**
619099	0	1351V	**138**
619100	3	1352V	**138**
619101	0	385AVDEDP	**136**
619104	1	190/2LVDEDP	**124**
619105	8	190/2LVDEDP	**124**
619106	5	190/2LVDEDP	**124**
619107	2	190/2LVDEDP	**124**
619108	9	190/2LVDEDP	**124**
619111	9	190/2LVDEDP	**124**
619113	3	190/2LVDEDP	**124**
619115	7	190/2LVDEDP	**124**
619119	5	190.1AVDEDP	**124**
619132	4	220TV	**123**
619133	1	220TV	**123**
619134	8	220TV	**123**
619135	5	220TV	**123**
619136	2	220/3LVDEDP	**123**
619137	9	220/3LVDEDP	**123**
619138	6	220/3LVDEDP	**123**
619139	3	220/3LVDEDP	**123**
619140	9	220/3LVDEDP	**123**
619141	6	220/3LVDEDP	**123**
619142	3	220/3LVDEDP	**123**
619143	0	196/2LVDEDP	**123**
619150	8	196/2LVDEDP	**123**
619151	5	196/2LVDEDP	**123**
619152	2	196/2LVDEDP	**123**
619153	9	196/2LVDEDP	**123**
619154	6	196/2LVDEDP	**123**
619155	3	196/2LVDEDP	**123**
619156	0	196/2LVDEDP	**123**
619157	7	196/2LVDEDP	**123**
619158	4	196/2LVDEDP	**123**
619159	1	196/2LVDEDP	**123**
619160	7	196/2LVDEDP	**123**
619176	8	420/1VDEDP	**127**
619177	5	406/1VDEDP	**126**
619178	2	406/1VDEDP	**126**
619179	9	406/1VDEDP	**126**
619180	5	406/1VDEDP	**126**
619181	2	406/1VDEDP	**126**
619182	9	472/1VDEDP	**129**
619183	6	472/1VDEDP	**129**
619184	3	476/1VDEDP	**129**
619185	0	476/1VDEDP	**129**
619186	7	478/1VDEDP	**132**
619187	4	506/1VDEDP	**130**
619188	1	506/1VDEDP	**130**
619189	8	508/1VDEDP	**131**
619190	4	508/1VDEDP	**131**
619191	1	512/1VDEDP	**131**
619192	8	512/1VDEDP	**131**
619193	5	461/1VDEDP	**128**
619194	2	461/1VDEDP	**128**
619195	9	466/1VDEDP	**129**
619196	6	466/1VDEDP	**129**
619197	3	580/1VDEDP	**132**
619198	0	580/1VDEDP	**132**
619199	7	447/1VDEDP	**127**
619201	7	110/2VDEDP	**122**
619202	4	180/2VDEDP	**122**
619235	2	188H	**56**
619236	9	238H	**63**
619237	6	190H	**69**
619250	5	2077/2BI	**300**
619251	2	2078/2BI	**300**
619252	9	2079/2BI	**301**
619253	6	2080/2BI	**301**
619254	3	2081/3	**301**
619255	0	2082/3	**302**
619256	7	2082.1	**302**
619257	4	1976/2	**178**
619260	4	1977/6	**278**
619262	8	1977/6	**278**
619264	2	1977/6	**278**
619266	6	1978/2	**179**
619267	3	1940/2BI	**304**
619268	0	1940.1/2BI	**304**
619269	7	1940.2/2BI	**305**
619270	3	1941/2	**179**
619273	4	2026/2	**177**
619274	1	2026/2	**177**
619275	8	2026/2	**177**
619279	6	2051/4	**177**
619280	2	1342	**298**
619281	9	1343	**298**
619282	6	1344	**298**
619283	3	1345	**298**
619284	0	1346	**298**
619285	7	1347	**298**
619286	4	1348	**298**
619287	1	114/2PB	**26**
619292	5	760HB	**292**
619295	6	760H1/2S	**292**
619296	3	760H1/2S	**292**
619299	4	760HS	**292**
619300	7	760HS	**292**
619303	8	761HB	**292**
619304	5	761HB	**292**
619307	6	761H1/2S	**292**
619308	3	761H1/2S	**292**
619311	3	761HS	**292**
619312	0	761HS	**292**
619316	8	763HB	**293**
619319	9	763H1/2S	**293**
619320	5	763H1/2S	**293**
619323	6	763HS	**294**
619324	3	763HS	**294**
619328	1	764HB	**294**
619331	1	764H1/2S	**294**
619332	8	764H1/2S	**294**
619335	9	764HS	**294**
619336	6	764HS	**294**
619340	3	765HB	**294**
619343	4	765H1/2S	**294**
619344	1	765H1/2S	**294**
619348	9	765HS	**294**
619398	4	120/1CB	**28**
619410	3	188H1	**56**
619411	0	238H1	**63**
619412	7	190H1	**69**
619413	4	188BI6P16INCH	**57**
619414	1	188BI12P16INCH	**57**
619415	8	192/2HXL	**64**
619416	5	192/16	**66**
619417	2	192/17	**66**
619420	2	190VDEDP6P13B	**126**
619446	2	920ES4A	**207**
619448	6	188.10A	**56**
619467	7	762/5B	**293**
619468	4	762/5 1/2S	**293**
619469	1	762/5S	**293**
619470	7	911N6P21	**351**
619471	4	911N12P21	**351**
619525	4	920ES8	**208**
619698	5	197/1 6p	**72**
619701	2	197/1 6p	**72**
619702	9	197/1 6p	**72**
619723	4	2203/2BI	**306**
619725	8	2205	**306**
619726	5	2205	**306**
619727	2	2205	**306**
619728	9	2086	**303**
619729	6	2205	**306**
619730	2	2206	**306**
619736	4	2032/2	**177**
619739	5	2035	**305**
619740	1	1944/6	**305**
619741	8	2083	**302**
619742	5	2084	**302**
619759	3	641/6HS	**186**
619760	9	641/6HS	**186**
619761	6	641/6HS	**186**

619762	3	641/6HS	**186**
619763	0	641/6HS	**186**
619764	7	641/6HS	**186**
619765	4	917A	**238**
619767	8	917C	**238**
619768	5	981PBM1	**241**
619769	2	981PBM2	**241**
619770	8	981PBM3	**241**
619771	5	981PB4	**241**
619786	9	494/6	**108**
619787	6	494/6	**108**
619788	3	494/6	**108**
619789	0	494/6	**108**
619790	6	494/6	**108**
619791	3	494/6	**108**
619792	0	494/6	**108**
619805	7	192/2HXL	**64**
619806	4	192/2HXL	**64**
619807	1	192/2HXL	**64**
619836	1	197/2AHX	**73**
619837	8	197/2AHX	**73**
619838	5	197/2AHX	**73**
619839	2	197/2AHX	**73**
619840	8	197/2ATX	**73**
619841	5	197/2ATX	**73**
619842	2	197/2ATX	**73**
619843	9	197/2ATX	**73**
619844	6	197/2ATX	**73**
619845	3	192/2ZXL	**65**
619856	9	631B	**135**
619857	6	192/2TXL	**65**
619880	4	1301/6	**297**
619881	1	270A	**270**
619883	5	2085	**302**
619884	2	940EV1	**208**
619885	9	940EV4	**209**
619886	6	940EV6	**209**
619894	1	192/2HX	**64**
619895	8	192/2HX	**64**
619896	5	192/2HX	**64**
619899	6	192/2HX	**64**
619900	9	192/2HX	**64**
619901	6	192/2HX	**64**
619902	3	192/2HX	**64**
619904	7	192/2HX	**64**
619905	4	199.7/1	**76**
619927	6	197MB4	**75**
619929	0	2087	**303**
619935	1	1375/6	**297**
619936	8	1376/6	**298**
619964	1	1514PB	**257**
619965	8	231/4PPB	**78**

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620072	9	461/4E	**90**
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620106	1	905CR	**350**
620118	4	642/6HS	**187**
620172	6	447/1HPP	**93**
620176	4	647A	**187**
620177	1	647B	**187**
620178	8	646A	**187**
620207	5	117/4	**26**
620225	9	2209	**306**
620226	6	2210/2	**178**
620234	1	2089/2BI	**303**
620237	2	2091	**304**
620240	2	1945	**305**
620256	3	586/6	**147**
620257	0	192/2ZX	**65**
620258	7	192/2ZXL	**65**
620259	4	3000/6	**281**
620260	0	3001/6A	**282**
620261	7	3050/2BI	**276**
620262	4	3051/2BI	**276**
620267	9	1977/6	**278**
620268	6	1977/6	**278**
620269	3	1977/6	**278**
620270	9	3054/4	**278**
620271	6	3054/4	**278**
620272	3	3054/4	**278**
620273	0	3054/4	**278**
620274	7	3054/4	**278**
620275	4	3054/4	**278**
620276	1	3054/4	**278**
620277	8	3054/4	**278**
620278	5	3055/4A	**276**
620279	2	3055/4B	**277**
620280	8	3056/2	**277**
620281	5	3056/2	**277**
620282	2	3056/2	**277**
620286	0	3201/2	**280**
620296	9	3301/2	**280**
620297	6	3302/6	**280**
620298	3	3303/2	**281**
620399	7	636TX	**161**
620411	6	3600/2BI	**283**
620413	0	3401/2P	**281**
620416	1	940EVS1	**210**
620417	8	940.1EV	**210**
620418	5	940EVS4	**210**
620419	2	940EVS7	**210**
620420	8	939/4EV	**237**
620421	5	447/4PHPP	**94**
620466	6	118/7	**36**
620467	3	118/7	**36**
620468	0	118/7	**36**
620469	7	118/7	**36**
620470	3	118/7	**36**
620471	0	118/7	**36**
620472	7	118/7	**36**
620473	4	118/7	**36**
620474	1	118/7	**36**
620475	8	118/7	**36**
620476	5	118/7	**36**
620477	2	118/7	**36**
620478	9	118/7	**36**
620479	6	118/7	**36**
620480	2	118/7	**36**
620481	9	118/7	**36**
620482	6	118/7	**36**
620485	7	118/7	**36**
620486	4	118/7	**36**
620487	1	118/7	**36**
620488	8	118/7	**36**
620490	1	118/7	**36**
620491	8	118/7	**36**
620492	5	118/7	**36**
620493	2	118/7	**36**
620494	9	184/7	**36**
620495	6	184/7	**36**
620496	3	184/7	**36**
620497	0	184/7	**36**
620498	7	184/7	**36**
620499	4	184/7	**36**
620500	7	184/7	**36**
620501	4	184/7	**36**
620502	1	184/7	**36**
620503	8	184/7	**36**
620504	5	184/7	**36**
620505	2	184/7	**36**
620506	9	184/7	**36**
620507	6	184/7	**36**
620508	3	184/7	**36**
620509	0	184/7	**36**
620510	6	184/7	**36**
620511	3	184/7	**36**
620512	0	184/7	**36**
620513	7	184/7	**36**
620515	1	184/7	**36**
620516	8	184/7	**36**
620518	2	184/7	**36**
620519	9	184/7	**36**
620520	5	184/7	**36**
620521	2	184/7	**36**
620522	9	184/7	**36**
620523	6	184/7	**36**
620525	0	184/7	**36**
620526	7	184/7	**36**
620527	4	184/7	**36**
620528	1	184/7	**36**
620529	8	184/7	**36**
620530	4	184/7	**36**
620531	1	184/7	**36**
620533	5	184/7	**36**
620534	2	184/7	**36**
620535	9	184/7	**36**
620536	6	184/7	**36**
620537	3	184/7	**36**
620538	0	184/7	**36**
620539	7	184/7	**36**
620541	0	184/7	**36**
620542	7	184/7	**36**
620543	4	184/7	**36**
620544	1	184/7	**36**
620545	8	184/7	**36**
620546	5	184/7	**36**
620547	2	184/7	**36**
620548	9	184/7	**36**
620556	4	939/3EV	**237**
620557	1	445/1BI	**96**
620558	8	445/4G	**96**
620581	6	176CS6	**38**
620582	3	176CS11	**38**
620583	0	177CS6	**39**
620584	7	177CS11	**39**
620653	0	586.1/7	**148**
620654	7	586.1/7	**148**
620655	4	586.1/7	**148**
620818	3	197/2AZX	**73**
620820	6	186.4/2	**57**
620821	3	178/2	**31**
620822	0	178/2	**31**
620823	7	178/2	**31**
620824	4	178/2	**31**
620825	1	178/2	**31**
620826	8	178/2	**31**
620827	5	178/2	**31**
620828	2	178/2	**31**
620829	9	178/2	**31**
620830	5	178/2	**31**
620831	2	178/2	**31**
620835	0	178/2	**31**
620836	7	178/2	**31**
620840	4	178.1/2	**31**
620841	1	178.1/2	**31**
620842	8	178.1/2	**31**
620843	5	178.1/2	**31**
620858	9	188.13	**56**
620938	8	206.1	**46**
620941	8	642NPB	**188**
620942	5	642NPB	**188**
620943	2	642NPB	**188**
620945	6	642LPB	**187**
620946	3	642LPB	**187**
620947	0	642LPB	**187**
620948	7	2209	**306**
620949	4	1977/6	**278**
620950	0	1977/6	**278**
620951	7	1977/6	**278**
620959	3	606CS5E	**164**
620960	9	607CS7E	**164**
620961	6	621CS7E	**164**
620962	3	608CS5E	**164**

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621019	3	920ES7	**207**
621042	1	1945.1	**305**
621049	0	964/1SOS	**334**
621050	6	964/1ASOS	**334**
621051	3	964/2SOS	**334**
621052	0	964/2ASOS	**334**
621053	7	964/2BSOS	**334**
621054	4	964/2CSOS	**334**
621055	1	964/3SOS	**335**
621056	8	964/4SOS	**335**
621057	5	964/5SOS	**335**
621058	2	964/6SOS	**336**
621059	9	964/7SOS	**336**
621061	2	964/8ASOS	**336**
621062	9	964/9SOS	**336**
621063	6	964/9BSOS	**337**
621064	3	964/10SOS	**337**
621067	4	964/13SOS	**337**
621068	1	964/13ASOS	**337**
621069	8	964/14SOS	**338**
621070	4	964/15SOS	**338**
621071	1	964/16SOS	**338**
621072	8	964/17SOS	**338**
621073	5	964/18ASOS	**338**
621074	2	964/18BSOS	**338**
621075	9	964/19SOS	**339**
621077	3	964/22SOS	**339**
621079	7	964/24SOS	**339**
621080	3	964/25SOS	**339**
621081	0	964/26BSOS	**340**
621082	7	964/26 1/2SSOS	**340**
621083	4	964/26SSOS	**340**
621084	1	964/27SOS	**340**
621185	5	964/5S12SOS	**336**
621186	2	964/19S12SOS	**339**
621187	9	532PLUS/1DP	**101**
621188	6	532PLUS/1DP	**101**
621189	3	532PLUS/1DP	**101**
621190	9	532PLUS/1DP	**101**
621195	4	534PLUS/1DP	**101**
621196	1	534PLUS/1DP	**101**
621197	8	534PLUS/1DP	**101**
621198	5	534PLUS/1DP	**101**
621203	6	536PLUS/1DP	**102**
621204	3	536PLUS/1DP	**102**
621205	0	536PLUS/1DP	**102**
621206	7	536PLUS/1DP	**102**
621211	1	538PLUS/1DP	**102**
621212	8	538PLUS/1DP	**102**
621213	5	538PLUS/1DP	**102**
621214	2	538PLUS/1DP	**102**
621247	0	603VDETBI	**133**
621248	7	603VDETBI	**133**
621283	8	6472C6,3	**166**
621284	5	6472C6,3	**166**
621285	2	6472C6,3	**166**
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621288	3	964ECO2A	**346**
621290	6	964ECO5	**347**
621291	3	964ECO6	**347**
621292	0	964ECO9	**347**
621294	4	964ECO19	**347**
621295	1	964ECO26 1/2S	**347**
621376	7	193NTX	**37**
621387	3	964/28SOS	**340**
621389	7	964/30SOS	**341**
621390	3	964/31SOS	**341**
621391	0	964/32SOS	**342**
621392	7	964/33SOS	**342**
621393	4	964/34SOS	**343**
621394	1	964/35SOS	**343**
621395	8	964/36SOS	**343**
621396	5	964/37SOS	**343**
621397	2	1011A	**325**
621398	9	1011B	**326**
621407	8	188BI6P36	**57**
621419	1	607PB9TBI	**158**
621426	9	982PB2	**240**
621436	8	940EV3	**208**
621437	5	1301.1/4	**297**
621438	2	1301.1/4	**297**
621439	9	1301.1/4	**297**
621440	5	1301.1/4	**297**
621441	2	1301.1/4	**297**
621442	9	940.1H	**206**
621445	0	607PB8TBI	**158**
621448	1	990T	**216**
621452	8	1506KZ10	**260**
621453	5	1506KZ10	**260**
621454	2	1506KZ10	**260**
621455	9	1507Z10	**260**
621456	6	1507Z10	**260**
621457	3	1507Z10	**260**
621459	7	232PB1	**80**
621473	3	1503	**260**
621474	0	981K1/2R	**240**
621479	5	586/6	**147**
621480	1	586.1/7	**148**
621481	8	721/6	**288**
621482	5	721Q/6	**288**
621483	2	721.1/6	**289**
621525	9	714	**269**
621531	0	750B	**290**
621532	7	750.1B	**290**
621533	4	352/6PB	**299**
621534	1	352.1/6	**299**
621535	8	352.2	**299**
621536	5	352.2	**299**
621537	2	352.2	**299**
621538	9	352.2	**299**
621539	6	352.2	**299**
621540	2	352.2	**299**
621541	9	352.2	**299**
621542	6	352.2	**299**
621543	3	352.2	**299**
621544	0	352.2	**299**
621545	7	352.2	**299**
621546	4	352.2	**299**
621547	1	352.2	**299**
621548	8	352.3	**300**
621549	5	352.3	**300**
621550	1	427/4AG	**98**
621550	1	427/4AG	**116**
621552	5	427/4CG	**98**
621552	5	427/4CG	**116**
621553	2	427/4DG	**99**
621553	2	427/4DG	**116**
621555	6	427/2FG	**99**
621555	6	427/2FG	**116**
621557	0	428/4AGPB	**100**
621557	0	428/4AGPB	**117**
621560	0	964/9CSOS	**337**
621561	7	964/9DSOS	**337**
621563	1	964/2DSOS	**335**
621564	8	721/6	**288**
621566	2	721.1/6	**289**
621567	9	721/6	**288**
621568	6	721Q/6	**288**
621569	3	721.1/6	**289**
621570	9	721/6	**288**
621572	3	721.1/6	**289**
621573	0	946G	**216**
621575	4	110/2VDEDP	**122**
621576	1	110/2VDEDP	**122**
621577	8	110/2VDEDP	**122**
621578	5	110/2VDEDP	**122**
621579	2	110/2VDEDP	**122**
621580	8	180/2VDEDP	**122**
621581	5	180/2VDEDP	**122**
621582	2	180/2VDEDP	**122**
621583	9	180/2VDEDP	**122**
621584	6	180/2VDEDP	**122**
621585	3	180/2VDEDP	**122**
621586	0	180/2VDEDP	**122**
621587	7	180/2VDEDP	**122**
621588	4	180/2VDEDP	**122**
621589	1	180/2VDEDP	**122**
621590	7	180/2VDEDP	**122**
621591	4	180/2VDEDP	**122**
621592	1	180/2VDEDP	**122**
621594	5	190/2VDEDP	**124**
621595	2	190/2VDEDP	**124**
621596	9	190/2VDEDP	**124**
621597	6	190/2VDEDP	**124**
621598	3	190/2VDEDP	**124**
621602	7	190/2VDEDP	**124**
621603	4	190/2VDEDP	**124**
621604	1	190/2LVDEDP	**124**
621605	8	190/2LVDEDP	**124**
621618	8	981PBS5	**241**
621619	5	981PBM5	**241**
621620	1	981PBS1	**241**
621621	8	981PBS2	**241**
621622	5	981PBS3	**241**
621623	2	539PLUS/1DPCT	**103**
621624	9	539PLUS/1DPCT	**103**
621625	6	539PLUS/1DPCT	**103**
621626	3	539PLUS/1DPCT	**103**
621631	7	969S	**243**
621633	1	969L	**243**
621646	1	190VDE6P10	**125**
621648	5	220TV4PB	**123**
621650	8	6776PB21	**168**
621722	2	190/1 12p	**63**
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621757	4	1011BEV4	**326**
621759	8	192/14INCH	**66**
621780	2	2210/2A	**178**
621782	6	964VDE1	**138**
621784	0	964VDE2	**138**
621786	4	964VDE3	**139**
621790	1	964VDE5	**139**
621798	7	964VDE7	**139**
621800	7	964VDE8A	**139**
621802	1	964VDE8B	**139**
621896	0	964ASOS	**213**
621897	7	964BSOS	**214**
621908	0	964/2FSOS	**335**
621917	2	250/1VDP	**122**
621982	0	1863	**306**
621998	1	2042/2	**305**

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622022	2	190-6P17	**72**
622023	9	190BI6P17	**70**
622065	9	250/1VDP	**122**
622463	3	160/2CB	**34**
622513	5	186.4/2A	**57**
622587	6	689/2BI	**176**
622587	6	689/2BI	**281**
622597	5	940ES3A	**213**
622598	2	940ES10	**214**
622628	6	188H6P12	**56**

622629	3	188H6LP9	**56**
622634	7	190H12P15IN	**69**
622635	4	190H12P15	**69**
622636	1	190H12LP7	**69**
622671	2	949	**242**
622672	9	949.1	**242**
622673	6	949.2	**242**
622693	4	VL911N6SOS	**351**
622694	1	911VSOS	**237**
622698	9	VL911N12SOS	**351**
622705	4	586.2/4	**148**
622815	0	2213/2BI	**268**
622816	7	955IND1	**243**
622818	1	160/2	**34**
622819	8	160/2	**34**
622820	4	160/2	**34**
622821	1	160/2	**34**
622822	8	160/2	**34**
622823	5	160/2	**34**
622824	2	160/2	**34**
622825	9	160/2	**34**
622826	6	160/2	**34**
622827	3	160/2	**34**
622828	0	160/2	**34**
622829	7	160/2	**34**
622831	0	160/2	**34**
622832	7	160/2	**34**
622834	1	160/2	**34**
622837	2	161/2	**35**
622839	6	161/2	**35**
622841	9	161/2	**35**
622842	6	161/2	**35**
622843	3	161/2	**35**
622844	0	161/2	**35**
622845	7	161/2	**35**
622846	4	161/2	**35**
622847	1	161/2	**35**
622848	8	161/2	**35**
622849	5	161/2	**35**
622850	1	161/2	**35**
622851	8	170/2	**35**
622852	5	170/2	**35**
622853	2	170/2	**35**
622854	9	170/2	**35**
622856	3	170/2	**35**
622857	0	170/2	**35**
622858	7	170/2	**35**
622859	4	170/2	**35**

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623080	1	160/2CB	**34**
623081	8	161/2CB	**34**
623082	5	170/2CB	**35**
623083	2	722.1/7	**289**
623084	9	722.1AL	**289**
623089	4	689.1/4	**177**
623089	4	689.1/4	**281**
623090	0	689.1/4	**177**
623090	0	689.1/4	**281**
623091	7	689.1/4	**177**
623091	7	689.1/4	**281**
623092	4	689.1/4	**177**
623092	4	689.1/4	**281**
623093	1	689.1/4	**177**
623093	1	689.1/4	**281**
623094	8	689.1/4	**177**
623094	8	689.1/4	**281**
623121	1	586.3/7	**148**
623141	9	192/2HX	**64**
623142	6	192/2HX	**64**
623186	0	3301/2	**280**
623187	7	3057/2	**279**
623188	4	3057.1/2	**280**
623215	7	3058/2	**277**
623216	4	3058/2	**277**
623217	1	3058/2	**277**
623219	5	3059	**277**
623220	1	3200/2BI	**279**
623238	6	193HX	**40**
623246	1	3305/2	**281**
623341	3	629VDETBI	**134**
623342	0	629VDETBI	**134**
623346	8	997.4	**246**
623347	5	997.4	**246**
623348	2	997.4	**246**
623349	9	997.4	**246**
623364	2	619E	**164**
623445	8	629VDETBI	**134**
623709	1	160/2CS	**34**
623710	7	161/2CS	**35**
623907	1	630VDE140ST	**135**
623928	6	1011D	**327**
623932	3	964/29ASOS	**341**
623936	1	964/32ASOS	**342**
623942	2	1012A	**331**
623947	7	1015A	**333**
623981	1	1300ST	**297**
623987	3	964/46SOS	**344**
623988	0	964/47SOS	**344**
623989	7	964/48SOS	**344**
623990	3	964/49SOS	**345**
623991	0	964/50SOS	**345**
623992	7	964/51SOS	**345**
623993	4	964/52SOS	**346**
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624033	6	192/2HX	**64**
624034	3	192/2HX	**64**
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624051	0	6778FBS2	**169**
624053	4	6715E6,3	**168**
624057	2	909PES	**244**
624058	9	909/1PES	**244**
624059	6	462/1BI	**90**
624059	6	462/1BI	**113**
624060	2	462/1VDEBI	**128**
624061	9	462/1VDEDP	**128**
624062	6	462/4G	**90**
624063	3	604VDETBI	**132**
624064	0	604VDETBI	**132**
624065	7	604VDETBI	**132**
624071	8	611VDETBI	**133**
624072	5	611VDETBI	**133**
624137	1	1011CEV4	**328**
624138	8	1011DEV6	**327**
624225	5	3054.1/4	**278**
624226	2	3054.1/4	**278**
624227	9	3054.1/4	**278**
624228	6	3054.1/4	**278**
624300	9	3001/6B	**282**
624325	2	3000.1	**282**
624326	9	3001.1	**282**
624327	6	3001.2	**282**
624328	3	3001.3	**282**
624342	9	215.1/2	**39**

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625334	3	964/56SOS	**346**
625355	8	188.1/1BBI	**54**
625356	5	638TBI6,3	**165**
625393	0	188.4/2	**55**
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625586	6	VL990WD2	**232**
625587	3	VL990WD3	**233**
625588	0	VL990WD4	**233**
625589	7	VL990ND1	**231**
625590	3	VL990ND2	**232**
625591	0	VL990ND3	**232**
625592	7	VL990ND4	**232**
625594	1	1011FPLUS1	**329**
625595	8	1011GECO	**330**
625610	8	385CVDEDP	**137**
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625619	1	VL990ND	**231**
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625621	4	990WD8	**222**
625622	1	990ND6	**225**
625623	8	990ND8	**226**
625624	5	990NDD2	**226**
625625	2	990WDD2	**222**
625626	9	990NDH4	**226**
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625628	3	990L	**227**
625629	0	990LA	**227**
625630	6	990TW	**228**
625631	3	990TW	**228**
625632	0	990TW	**228**
625633	7	990TWS	**228**
625634	4	990TWS	**228**
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625637	5	990C	**228**
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625639	9	990WDP	**222**
625640	5	990NDP	**226**
625641	2	990WDU	**222**
625642	9	990WDU	**222**
625643	6	990NDU	**226**
625644	3	990NDU	**226**
625646	7	990PNE	**223**
625648	1	990SL	**229**
625649	8	990SR	**230**
625650	4	990SM	**230**
625652	8	990B	**229**
625653	5	990B	**229**
625654	2	990B	**229**
625655	9	990BIN	**224**
625656	6	990HPC	**231**
625657	3	990HPC	**231**
625658	0	990HPC	**231**
625660	3	990HPB	**230**
625661	0	990HPB	**230**
625662	7	990HPB	**230**
625663	4	990HL	**231**
625664	1	990HL	**231**
625665	8	990HL	**231**
625666	5	990LIGHT	**231**
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625668	9	990CA	**229**
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625671	9	990LIGHT	**231**
625672	6	990SHELF	**230**
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192/2TX	2	**65**
192/2TXL	2	**65**
192/2ZX	2	**65**
192/2ZXL	2	**65**
193HX	1	**40**
193HXCB	1	**40**
193HXCS	1	**41**
193HXS	1	**41**
193HXSCS	1	**41**
193HX-H	15	**313**
193N	1	**37**
193NTX	1	**37**
193TX	1	**41**
193TXCB	1	**41**
193TXCS	1	**41**
196/2LVDEDP	5	**123**
197/1 6p	2	**72**
197/1 6p	2	**72**
197/1 12p	2	**73**
197/2AHX	2	**73**
197/2ATX	2	**73**
197/2AZX	2	**73**
197.1/1	2	**73**
197.3/1	2	**74**
197.4/1	2	**74**
197.6/1	2	**74**
197.7/1	2	**74**
197MB1	2	**74**
197MB2	2	**74**
197MB3	2	**75**
197MB4	2	**75**
199/1 6p	2	**74**
199/1 12p	2	**75**
199.1/1	2	**75**
199.3/1	2	**75**
199.4/1	2	**76**
199.6/1	2	**76**
199.7/1	2	**76**
199MB1	2	**76**
200/2	1	**46**
200/2CB	1	**46**
202/1	1	**37**
202/1CT	1	**37**
205/2	1	**46**
205.1	1	**46**
206/2	1	**46**
206.1	1	**46**
210/2	1	**45**
212/2	1	**45**
213/6	1	**45**
215/2	1	**39**
215/2CB	1	**39**
215.1/2	1	**39**
216/1	1	**39**
216/1CB	1	**40**
216.1	1	**40**
217/2	1	**40**
220/3	1	**41**
220/3PB	1	**42**
220/3PB1	1	**42**
220/3PH	1	**42**
220/3MH	1	**43**
220/3L	1	**43**
220/3LPB2	1	**43**
220/3LPH	1	**43**
220/3LVDEDP	5	**123**
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220/3S	1	**43**
220/3SFH	1	**44**
220/3SPB1	1	**44**
220/3SPH	1	**44**
220/3SL	1	**44**
220/3SLPB2	1	**44**

220/3SLPH	1	44
220/7TX	1	44
220/7TXPH	1	44
220/7TXN	1	45
220/7TXNFH	1	45
220/7TXNPH	1	45
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220TV4PB	5	123
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231/4AHX	2	78
231/4ATX	2	78
231/4L6p	2	77
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231/4PB1	2	78
231/4PB2	2	79
231/4PB3	2	79
231/4PB4	2	79
231/4PPB	2	78
231/4PL	2	78
231/4TX	2	78
231.4/4	2	79
231.6/4	2	79
231.7/4	2	79
231.8/4	2	79
232/4 6p	2	79
232/4L6p	2	79
232.4/4	2	80
232.6/4	2	80
232.7/4	2	80
232.8/4	2	79
232PB1	2	80
233/4 6p	2	80
233/4L6p	2	80
233.4/4	2	80
233.6/4	2	81
233.7/4	2	81
233.8/4	2	81
234/4 6p	2	81
234.4/4	2	81
234.6/4	2	81
234.7/4	2	81
234.8/4	2	81
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236/2SL	2	58
236/2TX	2	58
236/2ZX	2	58
237/1	2	59
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238/1 12p	2	59
238/1L6p	2	60
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238.1/1ALBI	2	60
238.1/1FBI	2	60
238.2/1BI	2	61
238.3/1	2	61
238.4/2	2	61
238.4/1	2	61
238.4/1S	2	61
238.5/2	2	61
238.6/1	2	61
238.7/1	2	61
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239A12P24	2	62
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250/1ADP	1	27
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264	12	267
265	12	267
266	12	266
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266INS.2	12	266
266INS.3	12	266
270A	12	270
271	12	271
272	12	271
280	12	268
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300CCB	14	296
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352.1/6	14	299
352.2	14	299
352.3	14	300
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358.1/7A	14	291
360/6A	14	291
360/6B	14	291
361/6A	14	291
361.1/7A	14	291
363A	14	292
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385AVDEDP	5	136
385CVDEDP	5	137
385G	3	100
385G	4	115
385H	3	100
385H	4	115
385VDEDP	5	137
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425/4B	4	117
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427/4CG	4	116
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427/4DG	4	116
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427/2FG	4	116
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428/4	4	117
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461/1BI	4	112
461/1VDEBI	5	128
461/1VDEDP	5	128
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461/4G	3	90
461/4P	3	90
462/1BI	3	90
462/1BI	4	113
462/4G	3	90
462/1VDEBI	5	128
462/1VDEDP	5	128
466/1BI	3	91
466/1BI	4	113
466/1VDEBI	5	129
466/1VDEDP	5	129
466/1BI-H	15	315
466/1VDP-H	15	315
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467SHARK/4DP	3	88
467SHARK/4DP	4	114
469SHARK/4ADP	3	88
469SHARK/4ADP	4	113
469SHARK/4DP	3	89
469SHARK/4DP	4	114
472/1BI	3	92
472/1VDEBI	5	129
472/1VDEDP	5	129
472/4G	3	93
476/1BI	3	93
476/1VDEBI	5	129
476/1VDEDP	5	129
478/1BI	3	97
478/1BI	4	115
478/1VDEBI	5	132
478/1VDEDP	5	132
478/4G	3	97
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492AL	3	108
492AL-H	15	319
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506/1BI	3	91
506/1VDEBI	5	130
506/1VDEDP	5	130
506/4G	3	91
508/1BI	3	92
508/1VDEBI	5	130
508/1VDEDP	5	131
508/1BI-H	15	316
508/4G	3	92
512/1BI	3	92
512/1VDEBI	5	131
512/1VDEDP	5	131
512/1BI-H	15	316
512/4G	3	92
514/1BI	3	96
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529/4P	3	104
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531/4P	3	104
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532PLUS/1DP	3	101
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534PLUS/1DP	3	101
536/1P	3	101
536PLUS/1DP	3	102
536PLUS/1DP-H	15	317
538/1P	3	102
538PLUS/1DP	3	102
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539PLUS/1DPCT	3	103
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556B	14	296
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563L/7PR	6	144
563R-PLUS/7DP	6	144
563R/7PR	6	144
567R/7P	6	145
568L/7P	6	145
568R/7P	6	145
569R/7P	6	145
572L/7PR	6	144
573/7P	6	145
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580/1BI	6	146
580/1VDEBI	5	132
580/1VDEDP	5	132
580/1BI-H	15	318
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582/3P	6	146
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583/6	6	146
583.1/7A	6	146
583.1/7B	6	146
585/6	4	112
585/6	6	146
585/6P	6	146
585.1/7	4	112
585.1/7	6	146
585.1/7P	6	146
586/6	6	147
586.1/7	6	148
586.2/4	6	148
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592R-PLUS/7DP	6	144
592R/7PR	6	145
596/6A	6	149
596/6B	6	150
596.1PLUS/7	6	148
596.2PLUS/7	6	149
596.3PLUS/7	6	149
596.1/7A	6	150
596.1/7B	6	150
596PLUS/6G	6	148
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600TBI	7	156
602TBI	7	156
603CS6AVT	5	135
603CS6ATVD	5	135
603CS6ATVT	5	135
603CS6AVDE	5	135
603CS6TVDE	5	136
603CS6TVDETBI	5	136
603CS6VDE	5	136
603CS6VDETBI	5	136
603VDE	5	133
603VDETBI	5	133
604VDETBI	5	132
605CR	7	157
605E	7	163
605NI	7	157
605TBI	7	156
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606B5NI	7	157
606CS5CR	7	157
606CS5TBI	7	158
606CS5E	7	164
607B5CR	7	158
607B5NI	7	158
607CS5TBI	7	158
607CS7CR	7	158
607CS7TBI	7	158
607CS7E	7	164
607PB8TBI	7	158
607PB9TBI	7	158
608CS5CR	7	158
608CS5NI	7	159
608CS5TBI	7	159
608CS5E	7	164
609CS5TBI	7	159
609CS7CR	7	159
611VDETBI	5	133
612CR	7	159
613VDE	5	133
613VDETBI	5	133
615CR	7	159
615E	7	164
615NI	7	160
615TBI	7	159
615TBI-H	15	319
616CR	7	160
616TBI	7	160
619E	7	164
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620CS6VDETBI	5	136
620TBI	7	162
620VDETBI	5	134
621/1TBI	7	163
621/1CS7TBI	7	163
621CS6VDETBI	5	136
621CR	7	162
621CS7CR	7	162
621CS7TBI	7	162
621CS7E	7	164
621E	7	164
621TBI	7	162
621VDETBI	5	134
623VDE	5	134
623VDETBI	5	134
625CR	7	161
625E	7	165
625NI	7	161
625TBI	7	161
626CR	7	160
626TBI	7	160
627CR	7	157
627TBI	7	157
628CR	7	162
628TBI	7	161
629CS6VDETBI	5	136
629CR	7	163
629CS5TBI	7	163
629CS7CR	7	163
629TBI	7	163
629VDETBI	5	134
630VDE	5	134
630VDE140ST	5	135
631	5	135
631B	5	135
633	7	165
636	7	161
636A	7	161
636PH	7	161
636PL	7	161
636TX	7	161
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642NPB	9	188
645	9	187
646	9	187
646A	9	187
647	9	187
647A	9	187
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666/6A	9	**189**
666/6AHS	9	**189**
666/6AHS-H	15	**321**
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670/6	9	**188**
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706	14	**289**
710P	12	**268**
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714	12	**269**
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752	14	**290**
753P	14	**290**
753VDP	5	**137**
753W	14	**290**
755	14	**290**
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757	14	**290**
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763HS	14	**294**
764HB	14	**294**
764H1/2S	14	**294**
764HS	14	**294**
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765HS	14	**294**
767H1/2S	14	**294**
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806	9	**184**
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812	9	**184**
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816	9	**184**
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905CR	16	**350**
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906VDEBI	5	**138**
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909	10	**244**
909PES	10	**244**
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920ES7	10	**207**
920ES8	10	**208**
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940.1EV	10	**210**
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940EV1	10	**208**
940EV3	10	**208**
940EV4	10	**209**
940EV4BLOCK	10	**209**
940EV6	10	**209**
940EV7BLOCK	10	**210**
940EVS1	10	**210**
940EVS4	10	**210**
940EVS7	10	**210**
940E1	10	**211**
940E3	10	**211**
940E4	10	**211**
940E4/1L	10	**212**
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940E6	10	**212**
940E7	10	**213**
940E9	10	**213**
940ES3	10	**213**
940ES3A	10	**213**
940ES5	10	**214**
940ES7	10	**214**
940ES8	10	**214**
940ES9	10	**214**
940ES10	10	**214**
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940ECOS1	10	**215**
940ECOES7	10	**215**
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940H2	10	**205**
940H2BLOCK	10	**205**
940H2-BLACK	10	**206**
940H3	10	**206**
940HS5	10	**206**
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946ACR	10	**216**
946CWR	10	**229**
946G	10	**216**
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948E2	10	**242**
949	10	**242**
949.1	10	**242**
949.2	10	**242**
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964/2ASOS	16	**334**
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UNIOR®
HAND TOOLS

UNIOR WARRANTY

UNIOR tools are known worldwide for high quality that allows the user to complete jobs more quickly and reliably. We are so confident in the quality we offer the UNIOR Lifetime Warranty. Should your tool ever malfunction from defects in workmanship or materials, we will repair or replace the tool free of charge.

What is Covered

UNIOR tools are warranted to be free of material and workmanship defects.

How Long Coverage Lasts

This warranty lasts for the lifetime of the UNIOR tool excluding pneumatic and measuring tools, which are covered for a period of one year from date of sale. Warranty coverage ends when the product becomes unusable for reasons other than defects in workmanship or material.

How to Obtain Service

If your product becomes deective, return it to the distributor where you purchased it, who will in turn return it to the UNIOR distributor for that country.

What We Will Do to Correct Problems

Warranted products, found to be defective due to faulty workmanship or material will be repaired or replaced, at UNIOR'S discretion, and returned at no charge.

What is Not Covered

Failures due to misuse, abuse or normal wear and tear are not covered by this warranty. UNIOR will not be responsible for any incidental or consequential damages.

How Local Laws Relate to the Warranty

Some areas do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary, from state to state, province to province, or country to country.

No Other Express Warranty Applies

This Full Lifetime Warranty is the sole and exclusive warranty for UNIOR products. No employee, agent, dealer, or other person is authorized to alter this warranty or make any other warranty on behalf of UNIOR.

Executing the UNIOR Lifetime Warranty

UNIOR offers a comprehensive lifetime warranty to support products purchased under the UNIOR brand.
In the event that you have a problem with your UNIOR product due to a defect in materials or poor workmanship, we will attempt to remedy the problem in accordance with our printed warranty policy as quickly as possible.

NORMAL WEAR AND TEAR:

Commonly, our tools are used in the most demanding conditions. Under these conditions and over time, UNIOR products may experience normal wear and tear and require service, this is not covered by the lifetime warranty. For many of our products we offer spare parts to maximse the life of our tools, this particually applies to pneumatic and measuring tools. Full details are available on our website www.uniortools.com or your local distributor will be pleased to help.

DEFECTS IN MATERIALS OR WORKMANSHIP:

It is our experience that if a product that fails prematurely due to a manufacturing defect in materials or workmanship, will generally do so very early in the product's life cycle, often the first or second time the product is used. When returned for inspection, these products are generally found to still be in as new condition and show very little signs of use. It is uncommon for a product that was manufactured with a defect, to survive under normal use for any extended period of time. Products that are returned for warranty inspection after months or years of continuous reliable service are rarely found to be defective, failure being generally due to wear and tear. In such cases the tools are not covered by the lifetime warranty.

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