



TOTAL RANGE





AUTO

AIR-CONDITIONING SERVICE UNIT COOLIUS A05

The COOLIUS A05 offers you a fully automatic air conditioning service with the refrigerant R134a. Like all COOLIUS units manufactured in Europe, the A05 impresses with its excellent price-performance ratio and high-quality construction.

Ideal for service on cars, vans, commercial vehicles construction vehicles and agricultural vehicles.

Simple operation and unique mobility

- Fully automatic air conditioning service unit
- Innovative scales construction allows easy mobile use
- Comfortable menu navigation and operation via buttons
- High suction rate of the compressor allows recovery of almost 100% of the charged refrigerant
- Refrigerant can be added or removed during the pressure test to optimize the pressure conditions

Service-friendly components

- Robust metal construction
- The use of high-quality and specially matched components allows a long service interval
- Fast and easy fault diagnosis with two analogue pressure gauges



Technical Data	
Dimensions	550 x 495 x 910 mm
Weight	65 kg
Casing	Robust metal construction
Operating Power Supply	230V /50-60Hz
Refrigerant	R134a
Refrigerant tank	12 kg
Refrigerant scale	60 kg loadable
Max. operating pressure	20 bar
Recovery rate (liquid)	250 g/min
Old oil discharge	Automatic
Vacuum pump capacity	100 l/min
Electronic pressure sensor	Included
PAG oil charge	Automatic
Refrigerant charge	Automatic
Acoustic signal	For errors and hints
High pressure and low pressure valves	Electronically controlled
Parker quick couplers	SAE J639
Service hoses 3.0 m	SAE J2197
Certifications	CE-certification by TÜV Süd

Art.No. W050 100573

AIR-CONDITIONING SERVICE UNIT COOLIUS A10

Air-conditioning servicing on air-conditioning units in cars, vans, utility vehicles, construction vehicles and agricultural vehicles. Easy-to-use, mobile companion for air-conditioning servicing on R134a units

Efficient in mobile use

- Innovative scales construction with transport lock
- Highest level of impact reduction
- Can be operated with a voltage converter

Sophisticated documentation

- Data exported to Excel via USB interface
- Documentation of individual services
- Evaluation of total refrigerant consumption

Quick change of oil type, e.g. PAG to POE oil

Intelligent rinsing of the pipe system and service hoses

Long service intervals

Personalised access using a 4-digit password

Details/Application

Air-conditioning servicing on air-conditioning units in cars, vans, utility vehicles, construction vehicles and agricultural vehicles.

Scope of delivery

2 x 3 m service hoses with standard quick-action couplings
 Vehicle fill level database
 Stickers for various oils and UV additives
 Maintenance book
 Abridged operating instructions (with website link for multilingual operating instructions)
 Device instructions



ADAPTER SET

Straight screw adapter with 1/4" SAE internal thread x service connection, high and low pressure

Product weight (per item): **55 g**

Art.No. 0764 000134



Innovative data entry with Coolius Select



Fault diagnosis with two analogue manometers



Trolley construction with transport guard



Prepared for hybrid and electric vehicles

Art.No. W050 101010

TOTAL RANGE

AIR-CONDITIONING SERVICE UNIT COOLIUS A30

Fully automatic air-conditioning servicing with refrigerant R134a especially on buses, as well as commercial vehicles, construction vehicles, agricultural vehicles, rail vehicles, vans and cars.

The specialist for air-conditioning servicing on large-volume air-conditioning units with refrigerant R134a

Quick selection and easy input of all customer and vehicle data

- Intuitive menu navigation and convenient operation by simply turning and pressing the navigation wheel
- Fast and efficient air-conditioning service operation on high-volume air-conditioning units
- Additional refrigerant pump and compressor suction capacity of 980 g/min
- Long service intervals
- Use of high-quality components
- Highest level of impact reduction in daily workshop applications
- Efficient trolley construction integrated in the unit
- Precise oil filling
- Fully automatic oil management
- Oil type can be changed quickly
- Internal rinsing of the pipe system including service hoses
- In full compliance with the law, user-friendly, complete

Scope of delivery

5 m service hoses with standard couplings

Fill level database

Stickers for various oils and UV additives

Maintenance book

Abridged operating instructions (with website link for multilingual operating instructions)

Device instructions

Device instructions



ADAPTER SET

Straight screw adapter with 1/4" SAE internal thread x service connection, high and low pressure

Product weight (per item): **55 g**



Innovative data entry with Coolius Select



Fault diagnosis with two analogue manometers



Trolley construction with transport guard



Prepared for hybrid and electric vehicles

R134A 			
	Wurth COOLIOUS A05	Wurth COOLIOUS A10	Wurth COOLIOUS A30
Art.no.	W050 100573	W050 101010	W050 103001
type of refrigerant	R134a	R134a	R134a
Refrigerant volume	12 kg	11 kg	35 kg
Nitrogen Test	N/A	N/A	Automatic (Accessories necessary)
Flushing program	N/A	included (Accessories necessary)	included (Accessories necessary)
Recovery rate (liquid)	250 g/min	300 g/min	980 g/min
Refrigerant recovery and charge accuracy	± 20	± 15	± 50
Oil / UV accuracy	± 2	± 2	± 2
Vacuum pump capacity	100 l/min	100 l/min	170 l/min
Weight of device	65 kg	65 kg	120 kg
Dimensions	550 x 910x 495 mm	572 x 1045 x 545	680 x 1175 x 667 mm
Max. operating pressure	20 bar	20 bar	20 bar
Hose length	3 m	3 m	5 m
Printer	NO	YES	Yes
Vehicle fill quantity database	NO	YES	YES
Clever documentation	NO	YES	YES
UV LEAK DETECTION ADDITIVE	NO	YES	YES
Automatic?	<ul style="list-style-type: none"> - PAG oil charge - Refrigerant charge - Old oil discharge 	<ul style="list-style-type: none"> - Refrigerant charge - PAG / POE oil charge - Old oil discharge - Monitoring of pressure increase in the A/C system - Non condensable gas discharge 	<ul style="list-style-type: none"> - Refrigerant charge - PAG / POE oil charge - Old oil discharge - Monitoring of pressure increase in the A/C system - Non condensable gas discharge

WOW AC MACHINE -Y10

Fully automatic air conditioning service on R1234yf systems

Efficient in mobile use

- Innovative scales construction with transport lock
- Highest level of impact reduction
- Can be operated with a voltage converter

Sophisticated documentation

- Data exported to Excel via USB interface
- Documentation of individual services
- Evaluation of total refrigerant consumption

Quick change of oil type, e.g. PAG to POE oil

Intelligent rinsing of the pipe system and service hoses

Long service intervals

Use of high-quality and specially designed components

No unwanted access

Personalised access using a 4-digit password

Details/Application

Air-conditioning servicing on air-conditioning units in cars, vans, utility vehicles, construction vehicles and agricultural vehicles.

Scope of delivery

Service hoses with standard quick-action couplings

Vehicle fill level database

Stickers for various oils and UV additives

Maintenance book

Abridged operating instructions (with website link for multilingual operating instructions)

Device instructions

CE - TÜV SUD Certification

Certificate module A2: IS-I-MI-17-04-102486-1638

2006/42/EC, 2014/30/EU, 2014/35/EU



Innovative data entry with Coolius Select



Fault diagnosis with two analogue manometers



Trolley construction with transport guard



Prepared for hybrid and electric vehicles

WOW AC MACHINE-Y50A

Powerful and robust air conditioning service unit for the fully automatic air conditioning service with the refrigerant R1234yf with integrated refrigerant analyser. Ideal for service on cars, vans, commercial vehicles, construction vehicles and agricultural vehicles.

Smart refrigerant analysis

- Internally installed refrigerant analyser is fully integrated in the process of air conditioning service
- Intelligent triple filter system ensures that no oil, along with the refrigerant, enters the lines of the analyser and contaminates the unit
- Even with a low residual refrigerant pressure in the air conditioning system of around 500 mbar, a reliable refrigerant analysis can be carried out thanks to the ingenious system and software
- Max. 1.5 g of refrigerant is needed for the analysis

Smart documentation

Reading and exporting data via USB interface (Excel). Enables the documentation of individual services as well as the evaluation of the total refrigerant consumption.

Ready to perform

Automated cleaning of the A/C service unit circuit. As a result, the device is immediately ready for the next air conditioning service, no matter which type of oil.



Technical Data	
Dimensions	680 x 667 x 1175 mm
Weight	90 kg
Casing	Metal with robust plastic cover
Power	230 V / 60Hz
Refrigerant	R1234yf
Refrigerant tank	20 kg
Refrigerant scale	60 kg loadable
Max. operating pressure	20 bar
Recovery rate (liquid)	250 g/min
Old oil discharge	Automatic
Vacuum pump capacity	128 l/min
Compressor	3/8 HP
PAG oil charge	Automatic
Refrigerant charge	Automatic
Acoustic signal	For errors and hints
High pressure and low pressure valves	Electronically controlled
Integrated printer	With multiple printing
Parker quick couplers	SAE J639
Service hoses 3 m	SAE J2888

Art.No. W050 115020

TOTAL RANGE

R1234YF



Wurth COOLIIUS Y10

Wurth COOLIIUS Y50

Wurth COOLIIUS Y50A

Art.no.	W050 111013	W050 115005	W050 115020
type of refrigerant	R-1234yf	R-1234yf	R-1234yf
Refrigerant volume	11 kg	20 kg	20 kg
Nitrogen Test	N/A	Automatic (Accessories necessary)	Automatic (Accessories necessary)
Flushing program	included (Accessories necessary)	included (Accessories necessary)	included (Accessories necessary)
Recovery rate (liquid)	300 g/min	500 g/min	500 g/min
Refrigerant recovery and charge accuracy	± 15	± 15 g	± 15
Oil / UV accuracy	± 2	± 2	± 2
Vacuum pump capacity	100 l/min	128 l/min	128 l/min
Weight of device	65 kg	90 kg	90 kg
Dimensions	572 x 545 x 1045 mm	680 x 667 x 1175 mm	680 x 667 x 1175 mm
Max. operating pressure	20 bar	20 bar	20 bar
Hose length	3 m	3 m	3 m
Printer	YES	YES	Yes
Vehicle fill quantity database	YES	YES	YES
Clever documentation	YES	YES	YES
UV LEAK DETECTION ADDITIVE	YES	YES	YES
Automatic?	<ul style="list-style-type: none"> - Refrigerant charge - PAG / POE oil charge - Old oil discharge - Monitoring of pressure increase in the A/C system - Non condensable gas discharge 	<ul style="list-style-type: none"> - Refrigerant charge - PAG / POE oil charge - Old oil discharge - Monitoring of pressure increase in the A/C system - Non condensable gas discharge 	<p>Gas Analyzer</p> <ul style="list-style-type: none"> - Refrigerant charge - PAG / POE oil charge - Old oil discharge - Monitoring of pressure increase in the A/C system - Non condensable gas discharge

WOW! FLUSHING KIT

For passenger and commercial vehicle air-conditioning units with refrigerants R1234yf and R134a

The full vehicle air-conditioning system is cleaned by flushing the refrigerant circuit

Extremely simple to use - quick to apply

- Fully automatic flushing in the circuit against the direction of flow of the A/C system with liquid refrigerant -

flushing kit adapter set required!

- Very high flow rate during flushing and thus highly effective cleaning of the A/C system

- 1 microfilter that is easily replaceable after 5 cycles

Flexible for a wide range of needs

- For refrigerants R134a and R1234yf

- Also used for air conditioners with different threaded connections

Cost-effective - good for the environment

- Recycled refrigerant can be reused

- Recycled refrigerant doesn't need to be disposed of

Scope of delivery:

- Flushing kit FK500

- Adapter for the various refrigerants

- Adapter for various threaded connectors

- 1 x microfilter



Art.No. W067 100010

TOTAL RANGE

AIR-CONDITIONING REFRIGERANT R134A 13.6KG

Refrigerant 134a: 1.1.1.2-Tetrafluorethane

Refrigerant for use in automotive air conditioning systems.

Advantages

- Not harmful to metals.
- Can be used as replacement for R12 refrigerant due to outstanding performance parameters.
- R134a is an environmental-friendly refrigerant that does not harm the ozone layer.
- R134a is a colorless, odorless and tasteless non-toxic substance.
- No risk of fire or explosion.
- Suitable for all mobile or stationary air conditioning service units.
- Approved by Würth International

Attention

- When used in automotive applications, R134 requires the use of polyalkylene glycol lubricants (PAG) in order to guarantee optimal oil return to the compressor.
- Do not mix with mineral oil or alkyl benzene lubricants.
- Do not mix R134a with CFC R12 refrigerant.



AIR-CONDITIONING REFRIGERANT R404A 10.9 KG

Standard disposable filling steel cylinder, 10.9 kg

- It's specific properties mean that it does not harm metal compounds Non-toxic, colorless, odorless
- Non-flammable and non-explosive
- Does not harm the environment or the ozone layer

Details/Application

Used for filling air-conditioning systems.

Instructions

Fill the air-conditioning system in line with the quantity recommended by the vehicle manufacturer.



Technical Data	
Molecular Weight	97.6
Boiling Point, °C	-46.8
Critical Temperature °C	72.4
Critical Pressure, MPa	3.69
Vapour Pressure at 25 °C, MPa	1.255
Specific Heat of Liquid 30 °C, kJ / (kg °C)	0.38
Ozonosphere Damage Potency (ODP)	0
Global Warming Potency (GWP)	3940
Appearance	Colorless
Odor	Odorless
Purity %	≥ 99.5
Moisture, ppm	≤ 10

10.9 Kg

Art.No. 0892 764404

PREMIUM UV LEAK DETECTION ADDITIVE

Fluorescent additive for locating leaks in R134a, R1234yf and R744 air-conditioning systems in accordance with SAE J2297

- Sufficient for 32 applications in a car or 16 applications in a lorry
- Compatible with PAG and ester oil
- High proportion of fluorescent ingredients
- Does not damage O-rings and seals

Details/Application

Can be used in R134a, R1234yf and R744 air-conditioning systems as well as in air-conditioning systems with electric compressors (hybrid, start/stop and electric vehicles) for reliably locating leaks and micro-leaks.

Instructions

- Draw the refrigerant out of the air-conditioning circuit and then draw a vacuum
- Unscrew the PAG fresh oil tank from the air-conditioning service unit and dispense the required amount
- Fill up the leak detection additive and attach to the fresh oil tank coupling. 7.5 ml (1/4 oz) are sufficient to service an air-conditioning system in a car, 15 ml (1/2 oz) in a truck
- Feed the leak detection additive into the air-conditioning circuit via the air-conditioning service unit

Notice

Only add the leak detection additive into the air-conditioning system via the red fresh oil tank coupling.



Technical Data	
Chemical basis	Polyolester oil
Colour	Light brown
Weight of content	232.8 g
Smell/fragrance	Aromatic
Density	0.88 g/cm ³
Shelf life from production	60 Month

CONTRAST GOGGLES, YELLOW

UV leak detector glasses for easily identifying traces of UV leak detector products

For detecting leaks in air-conditioning units in cars, trucks and buses

For identifying traces of dye in oil and fluid lines

Yellow-coloured lens

Complete plastic construction

Complies with EN166 standards



Art.No. 0764000103

LED UV TORCH

For use when searching for leaks highlighted by UV leak detection fluid in vehicle air-conditioning systems.

Easier to search for leaks than with a standard blue light

Long-wave UVA radiation creates a true UV light.

Highly robust design with excellent corrosion resistance

Housing made of high-quality 6061 T6 aluminium alloy.

Gold-plated contacts

No corrosion

Optimum contact with minimal transfer resistance



Art.No. 0827807201

ELECTRONIC REFRIGERANT LEAK DETECTOR

To detect leaks of CFC, HFC and HCFC refrigerant (including mixtures), also suitable for HFO 1234YF

No additional consumables needed for detecting leaks

Visual and acoustic warning signal (acoustic warning can be deactivated)

Sensor tip with LED warning light, making searching even easier

Device automatically switches to zero setting (ambient air)

Battery status indicator

Supplied with 4x AA alkaline batteries



Art.No. 0764 000700

ANTIBACTERIAL AIR CONDITIONER CLEANER QUICK FRESH ACTIVE PLUS

For quick and effective removal of odours and bacteria in interior spaces and vehicle air-conditioning systems

- Reliable at fighting unpleasant odours caused by bacteria in the air ducts of air-conditioning units and in vehicle interiors
- Silver ions prevent further odour with their antibacterial effect
- Reliable at fighting unpleasant odours caused by bacteria in the air ducts of air-conditioning units and in vehicle interiors
- Silver ions prevent further odour with their antibacterial effect

Details/Application

- Antibacterial effect thanks to silver ions
- Long-lasting fresh scent
- No laborious disassembly work on the evaporator and interior
- No additional manual for specific work steps required
- Effectiveness confirmed independently
- Easy to use
- Fights unpleasant odours with odour absorbers

Technical Data	
Chemical basis	Water and ethanol
Colour	Transparent
Contents	100 ml
Weight of content	77 g
Smell/fragrance	Lemon
Density	0.77 g/cm ³
Shelf life from production	24 Month



Instructions

No persons are allowed inside the vehicle during application. All electrical devices must be switched off during application. Avoid ignition sources. Ventilate the vehicle well for several minutes after use. Do not smoke inside the vehicle straight after application. Use only one can per application.

1. Switch off air-conditioning unit, activate air circulation
2. Set ventilation to maximum and select a cold temperature level for the interior
3. Shake can well before use
4. Position the can in the footwell or on the rear centre console and activate the spray head. Keep doors and windows closed during application (approx. 2-3 min.). Make sure that the spraying jet (90-150 cm) does not reach, for example, lighting and sliding roof control elements, the display, radio, navigation etc.
5. Remove excess substance immediately with a damp cloth
6. Ventilate the vehicle well after use

Note the product information!

MULTIGRADE COMPRESSOR OIL PRO - 1000 ML

High-value synthetic oil with additive specifically tailored for use in air-conditioning compressor technology

Compatible with following refrigerants: R 23, R 125, R 134a, R1234yf, R 227, R 413a, R 407c, R 410a, R 404a, R 507, R 744.

Can be mixed with PAG oil and ester oil

One oil for all applications

Excellent lubrication effect

- Longer compressor service life
- High level of refrigerant compression in the compressor

Details/Application

For universal maintenance and lubrication of vehicle air-conditioning compressors in the refrigerant circuit.

Instructions

Topping up compressor oil to the quantity recommended by the vehicle manufacturer and transferring it to the air-conditioning circuit via the air-conditioning service unit.



Technical Data	
Chemical basis	Phosphate
Density	0.979 g/cm ³
Density conditions	at 20°C
Kinematic oil basis viscosity	85 cSt
Conditions for viscosity of oil basis	at 40°C, in accordance with ASTM D-445
VOC concentration (CH)	0 %
Min. flashing point	282 °C

1000ML **Art.No. 0892 764123**

TOTAL RANGE

PETROL INJECTION CLEANER

For cleaning the injection system

Cleaning action

- Removes resinous and paint-like deposits in the micro range on injection valves and on the fuel distributor
- Ensures precise controlling of injection valves
- Less fuel is used thanks to precise fuel injection
- Binds and neutralises acidic condensation water
- Protects against corrosion

Details/Application

- In case of increased fuel consumption due to poor fuel injection
- Can be used for preventative maintenance at every inspection
- For all petrol injection engines with and without a catalytic converter
- In case of rough engine running

Instructions

150 ml is sufficient for 25–30 litres and 300 ml for 50–60 litres of fuel.

Empty the contents of the can into the fuel tank



Technical Data	
Chemical basis	Naphtha
Colour	Colourless
Smell/fragrance	Solvent-like
Shelf life from production	24 Month

ENGINE OIL TREATMENT 300ML

Protection for all petrol and diesel engines

Extends the service life of the engine

- Protects against valves burning out
- Loosens deposits on resin-coated piston rings
- Removes oil sludge and unblocks clogged oil ducts
- Neutralises aggressive combustion acids
- Supplements used up engine oil ingredients
- Minimises friction resistance
- Suitable for oil diluted with biofuels
- Corresponds to latest API engine oil standards

Details/Application

Add the contents of the can to the engine oil each time the engine is repaired, or the oil is changed. In addition, the engine oil performance improver can be added when diagnosing engine oil.

Instructions

300 ml are sufficient for 4.5 litres of engine oil. 1.000 ml are sufficient for 10 litres of engine oil.

Ideal dosage: 10%. Reduce clean oil according to the oil level.



Technical Data	
Chemical basis	Hydrocarbon
Colour	Green
Smell/fragrance	Oily
Shelf life from production	24 Month

RADIATOR SEALANT-HP-150ML

High-performance cooling system protection for all modern vehicle types with crossflow cooling systems

- Seals leaks up to max. 0.1 mm
- Dirt strainers in the cooling circuit are not impaired
- Preventive use any time the anti-freeze is changed
- Sealing effect due to microfine, synthetic particles
- The content of one can is sufficient for 10 litres of coolant

Details/Application

Use for micro-leaks in the cylinder head gasket and hose connections as well as evaporation losses in the cooling system units

Instructions

Add directly to the cooling circuit when the engine is warm. Only add to the expansion tank if coolant flows through the expansion tank. Then let the engine run for at least 10 minutes until the thermostat opens and the heating noticeably emits heat. Then switch off the engine, check the coolant level and top up if necessary



Technical Data	
Chemical basis	Water
Colour	Blue
Smell/fragrance	Characteristic
Shelf life from production	12 Month

ENGINE FLUSH AND CLEANER-400ML

**Cleans the inside of the engine and the oil supply system.
Engines cleaned of dirt can now operate at their
full performance level together with the clean oil.**

- Quick and gentle cleaning process
- Does not damage seals
- Optimises exhaust gas emissions
- Compatible with catalytic converters
- Loosens jammed piston rings
- Easy to use

Details/Application

Suitable for all mineral and synthetic-based engine oils. Suitable for petrol and diesel engines. Caution: Not suitable for use in motorcycles with oil bath clutch that share a joint oil circuit.

Instructions

Add the engine interior cleaner to the oil when the engine is at operating temperature. Let the engine idle for approximately 10 minutes. Then change the oil and filter.

Notice

Not suitable for use in motorcycles with oil bath clutch that share a joint oil circuit.



Technical Data	
Chemical basis	Combination of additives
Colour	Brown
Smell/fragrance	Characteristic
Shelf life from production	60 Month

400ML **Art.No. 5861 312 400**

ATF PERFORMANCE IMPROVER

For protecting automatic transmissions

- Protects against wear
- Ensures the quality of transmission shifting
- Stops foam forming in the transmission and maintains the temperature at optimum operating level
- Compatible with all oils for automatic transmissions
- Improves shifting in cold ambient temperatures.

Details/Application

Use every time the automatic transmission oil is changed and to improve the oil service life. Add the contents of the can to the automatic transmission fluid. Avoid overfilling.



Technical Data	
Chemical basis	Hydrocarbon
Colour	Red
Smell/fragrance	Oily
Shelf life from production	24 Month

PETROL-TREATMENT-300ML

For all petrol engines with and without a catalytic converter

Cleans the fuel system

Reduces fuel consumption thanks to exact fuel preparation

Suitable for E10

- Protects from water occurring in fuel tank due to the hygroscopic property of E10 fuel.
- Prevents corrosion.
- Cleans deposits in the fuel system

Optimum combustion

Reduces the formation of harmful exhaust gases

Features

Removes paint-type deposits and resins in lines, the gasoline pump, the carburetor, valve tops and valves. Oxidation residue is also removed. Protects against water which arises in the fuel tank as a result of the hygroscopic property of E 10 fuel. Protects against corrosion

Application

Add contents of can to the fuel tank. The optimum dosing is 150 ml for 35 - 40 liters. 300 ml are sufficient for 70 - 75 liters. The product is self-mixing. Overdosing is not harmful.



Technical Data	
Chemical basis	Hydrocarbon
Colour	Colourless
Smell/fragrance	Solvent-like
Density	0.799 g/cm ³
Density conditions	at 20°C
Min. flashing point	-10 °C
Shelf life from production	24 Month

300ML **Art.No. 5861 101300**

OCTANE BOOSTER PETROL ADDITIVE-300ML

The octane number can be increased by 3-8 points (depending on the original fuel quality). Prevents wear on the valve seats. Protects against engine ringing, knocking and reignition.

- Prevents wear
- Improves vehicle performance
- Clean combustion
- Improves octane number
- Reduces harmful exhaust gases

Details/Application

With lower-grade fuels, the octane number can be increased by 3-8 points (depending on the original fuel quality). Prevents wear on the valve seats. Protects against engine ringing, knocking and reignition.

Instructions

The octane booster is added straight into the tank. 300 ml is sufficient for 50-60 litres of fuel.



Technical Data	
Chemical basis	Hydrocarbon
Colour	Brown
Smell/fragrance	Solvent-like
Shelf life from production	24 Month

RADIATOR CLEANER-250ML

Suitable for all engines

Removes corrosion and sludge deposits in the cooling circuit

Increased operational reliability due to clean cooling system.

Neutralises lime residues

New coolant is protected from contamination by old dirt residues

Compatible with anti-freeze

Alkaline in pH range of 9–11

Compatible with all materials used to build the radiator. Removes deposits in the cooling circuit and cleans the cooling system of contamination. For instance, oil residues caused by damage to the cylinder heads can be removed. The radiator cleaner can also be used as a preventative measure every time the coolant is changed. 250 ml is sufficient for 10 litres of cooling water. 1000 ml is sufficient for 40 litres of cooling water

Details/Application

For rectifying reduced cooling performance during radiator repairs and maintenance work on the cooling system

Instructions

Add the contents of the can to the cooling water. Open the heater valves. Run the engine at operating temperature for approx. 30 minutes. Deposits that have been dislodged by the radiator cleaner must be flushed away with water. The flushing process can be carried out without removing the thermostat. It is recommended that parts that have been affected by oil ingress, such as the expansion tank and water hoses, be replaced. Refill the cooling system after cleaning, bleed and check for leaks.

Notice

The cleaner is not suitable for vehicle operation.



Technical Data	
Chemical basis	Water
Colour	Yellow
Smell/fragrance	Mild
Shelf life from production	24 Month

250ML **Art.No. 5861 510250**

THROTTLE VALVE CLEANER-500ML

Special, highly active system cleaner for 2- and 4-stroke engines.

**Possible to clean without removing components
Overhead valve**

Hard-to-reach areas can be easily accessed

Excellent cleaning performance

- Optimum carburettor performance
- Perfect throttle valve function

Quiet engine running

Faults caused by dirty throttle valves or carburettors are rectified.

Details/Application

Removes deposits and impurities in the intake and throttle valve area. It can also be used to clean carburettor and calibrated bores and nozzles. Suitable for catalytic converters.

Instructions

When the engine is turned off, generously spray all parts to be cleaned and allow the active agent to react for 2-3 minutes.

Then, with the engine running for approx. 30 seconds, spray into the intake and throttle valve area, while slightly increasing the speed to loosen the deposits.

Notice

For various throttle valve units, it is advantageous to remove them in order to be able to optimally clean the underside of the throttle valve.

Suitable for petrol engines only! Clean diesel injection nozzles only when they are removed.



Technical Data	
Chemical basis	Hydrocarbon
Colour	Colourless
Smell/fragrance	Solvent-like
Shelf life from production	24 Month

ENGINE SEALING COMPOUND SILICONE SPECIAL 250

Permanently elastic silicone sealing compounds for engine and bodywork, brief temperature resistance of 300 °C

- Cold-vulcanising silicone rubber
- Bridges larger unevenness
- Reliable at sealing, even after withstanding years of vibrations
- Excellent adhesion and chemical resistance
- Does not run or pull threads
- Skin formation after just a few minutes, vulcanisation rate approx. 1.5 mm/day



Details/Application

For sealing surfaces, gaps and cracks in separating joints, cylinder heads, crank housings, water pumps, coolers, axle tubes, cylinder bases (motorbike), lamp and turn signal housings, welding seams etc

Technical Data	
Colour	Black
Min. skin-formation time	6 min
Max. skin-formation time	12 min
Conditions for skin-formation time	at 23 °C and 50% relative humidity
Elongation at break	300 %
Continuous motion absorption (up to 150 °C)	25 %
Min./max. temperature	resistance -50 to 250 °C
Max. short-term temperature resistance	300 °C
Min./max. processing temperature	5 to 40 °C

GRAVEL THROW AND UNDERBODY PROTECTION

Rubber-based coating compound containing solvents, can be painted over

- Excellent adhesion, quick skin formation
- Scratch-resistant
- Can be painted over with many commercially available, solvent-based and water-based one-component and two-component top coat paints
- Suitable for oven drying briefly at 40°C to 60°C
- Highly sandable once fully dry

Details/Application

For repairing and restoring the original structure and for protecting against stone chips and corrosion in all visible areas, e.g. front and rear aprons, side members, bumpers and chassis on cars, trucks and buses. Ideally suited for use as an anti-humming compound for wheel wells and chass

Instructions

Shake well before use. The surface must be clean, dry and free from rust and dust. Spray a very thin first coat for improved adhesion and let it flash off for approx. 3 minutes. Then apply the next coat. Allow each intermediate coat to flash off. Operating pressure: 2-4 bar. Optimum spraying distance: 30 cm. The best spraying results are achieved at a processing temperature of 15-25°C



Technical Data	
Colour	Black
Chemical basis	Natural rubber
Weight of content	1080 g
Max. processing temperature	25 °C
Max. pressure	4 bar
Max. temperature conditions	60 °C
Min./max. temperature conditions	10 to 60 °C
Min. pressure	2 bar
Shelf life from production/conditions	24 Month / at 10°C to 30°C

BRAKE CLEANER-500ML

For cleaning and degreasing during maintenance and repair work

Fast flash-off behaviour and excellent cleaning performance

- Fast and effective removal of soot, grease, brake dust and oily residues
- Residue-free cleaning

Acetone-free

Good material compatibility with paints, plastics, seals and rubber

AOX-free and silicone-free

Details/Application

For quickly removing oily/greasy residues, soot, brake dust on vehicles, disc and drum brakes, engine and gearbox housings etc.

Instructions

Spray the surfaces to be cleaned and wipe with a clean cloth. Repeat the process for heavy soiling.

Notice

Do not spray on hot parts. Not suitable for surface cleaning of adhesive areas. Prior to application, the compatibility of rubber or plastic parts and painted surfaces should be checked on an area that is not visible.



Technical Data	
Chemical basis	Naphtha
Smell/fragrance	Solvent-like
Shelf life from production	24 Month

500ML **Art.No. 0890 1087**

TOTAL RANGE

WS6 LUBE SPRAY

Contains PTFE for long term and advanced lubrication.

High-grade lubricating agent based on a mixture of oils and penetrates in a blend of solvents. It has been formulated to offer quick and easy removal of seized and rusted components. Starts wet motors, penetrates and loosens tight, seized, rusty nuts & bolts. Cleanly lubricates, stops squeaks and protects against rust invasion. Frees sticky joints.

Features

- Frees Sticky joints.
- Stop squeaks & protects against rust invasion.
- Cleans & lubricates.
- Can be painted.
- Penetrates & loosens tight, seized, rusty nuts & bolts.
- Removes moisture, Starts wet motors.
- CFC Free
- Silicone Free

Application

Directly spray or use the nozzle provided on the effected part to achieve the desired results. Best for Automobile, Marine, garage, Home, Industry, Shops.

Compatibility: It will not affect Rubber, Plastic, and metal surface.

Caution

Do not use near flame or any engine while it is running.

Pressurized can protect from heat, and do not expose to temperature exceeding Fifty degrees C.

Do not spray on naked flame or incandescent material.

Do not breathe vapor/spray.

Do not spray on live electrical equipment where sparking may occur.

Use only in a well-ventilated area.



SILICONE SPRAY, UNIVERSAL- 500ML

Ensures long-lasting protection, preservation and insulation of vehicle exterior and interior plastic, rubber and metal parts; good lubricating properties

- Plastic parts retain a high-gloss finish and do not become brittle
- Rubber parts are protected, do not become brittle and do not freeze or stick
- Impregnated folding roofs and hoods
- Anti-static effect (dust-repellent)
- Protects electrical contacts against moisture
- Sliding roof and seat rails, seat belt rollers etc. run smoothly
- Prevents squeaks and creaks between dissimilar materials, e.g. metal/plastic etc.
- Serves as an installation aid, e.g. for hose connections
- No staining

Instructions

The usage instructions are recommendations based on the tests we have conducted and are based on our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. Insofar as our free customer service provides technical information or acts as an advisory service, no responsibility is assumed by this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee consistent quality of our products. We reserve the right to make technical changes and further develop products.



Technical Data	
Chemical basis	Mineral oil
Colour	Colourless
Density/conditions	0.61 g/cm ³ / at 20°C
Min./max. temperature	-5 to 40 °C
Shelf life from production	24 Month

500ML **Art.No. 0893 221**

BRAKE PASTE-PROTECTION-HT-SPRAY-300ML

Lubricating, separating and anti-corrosive paste extremely resistant to high temperatures and high pressures

Metal-free

- Does not harm sensors on brake systems
- Suitable for ABS brake systems and ASR and ESP systems
- Heat-resistant up to 1400°C
- Permanent and high level of lubrication thanks to ceramic components
- Resistant to diluted acids, bases, spray water and salt water
- Silicone- and AOX-free
- Resistant to high pressures

Details/Application

- Lubricating, separating and anti-corrosive paste for parts in vehicle brake systems, installation aid on machines etc.
- For preventing run-in damage and wear on bearings, sliding points, screw and plug connections.

Notice

- Do not apply to brake discs and brake friction lining
- Shake the aerosol thoroughly



Technical Data	
Chemical basis	Mineral oil
Colour	Light grey (bright grey)
Min./max. temperature	1400 °C
Shelf life from production	12 Month

BATTERY TERMINAL GREASE-PROTECTOR-150ML

Long-term and temperature-resistant protection for battery terminals

- Protects battery terminals, pole terminals and plug connections from corrosion, weather and battery acids
- Prevents transfer resistances and voltage drops, thereby extending the battery life.

Instructions

Shake can before use. Thoroughly clean and mount the battery terminals, pole terminals etc., and spray a thin coat on all sides

Notice

Caution: Do not spray on paint! Immediately remove residues from the lacquer with brake cleaner; otherwise spots may form.



Technical Data	
Chemical basis	Dimethacrylic acid ether
Colour	Blue
Smell/fragrance	Solvent-like
Shelf life from production	24 Month

CONTACT SPRAY-300ML

**Is quick and reliable at rectifying ignition problems
To be used as a preventative measure against
ignition problems caused by moisture in vehicles
and in other low-voltage ignition systems**

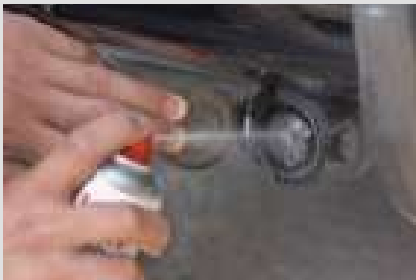
Details/Application

Cleans the ignition cable, distributor caps and connectors

Technical Data	
Chemical basis	Characteristic
Colour	Light yellow
Density conditions	at 20°C
Density	0.743 g/cm ³
Shelf life from production	24 Month



Details/Application



CONTACT SPRAY SW-200ML

Special spray wash

Cleaner for contacts and electrical components

- Removes wood resin residues
- Cleans components with heavy soiling

Versatile applications – Does not attack plastics and common materials (electr. parts and elements, circuit boards, relays, power strips)

Notice

SW contact spray must be completely dry before the electrical system is restarted!

Technical Data	
Chemical basis	Mineral oil
Colour	Transparent
Smell/fragrance	Characteristic
Density	1.25 g/cm ³
Shelf life from production	24 Month



WINDSCREEN ADHESIVE PRIMERLESS-310ML

One-component, flexible and high-performance polyurethane adhesive for auto glass replacement aftermarket direct glazing and general assembly. Resistant to UV radiation. 2 - Hours Drive-away time with cars with airbag.

Application

Purposely designed for bonding windscreens in the Auto Glass Replacement aftermarket, side and rear windows to passenger cars, trucks, tractors and special vehicles. It is ideal for direct glazing on vehicles where high shear modulus and non-conductive properties are required. Also used for bonding fiberglass reinforced plastic elements (roofs, side and frontal panels) on vehicles. It is indicated in all applications where a strong elastic structural bonding to elements of different compositions (automotive topcoat paint, metal sheets, fiberglass and reinforced plastic) is necessary and that undergo a strong mechanical or thermal stress.

Features

- One-component polyurethane
- Solvent free, odorless
- Primerless to glass, ceramic frit and painted metal
- Short cut-off string
- Suitable for cold and warm application
- Outstanding thixotropy, good decking, non-sagging
- High Modulus - maintains torsional rigidity and increases the vehicles NVH values
- Capable of withstanding high dynamic stresses
- High UV, weathering and ageing resistance

Safety Tested

- Drive Away Time: 2 hours
- On vehicles fitted with both driver and passenger airbags



Technical Data	
Chemical basis	Polyurethane
Colour	Black
Appearance	Non-sag thixotropic paste
Curing Mechanism	Moisture-curing



GLASS PRIMER 20 G

Sabesto primer 20 G. Black, moisture-hardening primer for promoting adhesion of the windscreen adhesive on glass, ceramic silkscreen printing, lacquer and various metals.

Features

Black, moisture-hardening primer for promoting adhesion of the windscreen adhesive on glass, ceramic silkscreen printing, lacquer and various metals. Corrosion protection for bare metal surfaces. UV-protection

Areas of Use

Contains: ISOPHORONE DIISOCYANATE DIPHENYLMETHANE-4,4'-DIISOCYANATE METHYL ETHYL KETONE Highly flammable liquid and vapour. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking. Contains isocyanates. May produce an allergic reaction. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Keep container tightly closed. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection, face protection.

IF INHALED: If breathing is difficult, remove.

20g **Art.No. 0890 0242**



PRIMER BRUSH FOR WINDOW INSTALLATION

For installing windscreens

Felt applicator

Length approx. 11 cm



11cm **Art.No. 0891 650**

REMOVER OF LABEL-(INDUSTRY-CLEANER)-500ML

High-quality special cleaner for removing adhesive tape residue, labels and film stickers as well as stubborn dirt. NSF-certified

Effective

- Easy removal of adhesive residues, labels and adhesive tapes
- Stubborn dirt such as wax, rubber abrasion, silicone residues, permanent marker, oil and grease are loosened

Gentle on materials, delicate surfaces such as aluminium, brass and stainless steel are not damaged

User-friendly

- No unpleasant odours for users and the environment.
- Fast and effective cleaning.

Details/Application

Cleans machine parts, plastic parts and metallic surfaces of adhesive residues. Also suitable for removing protective preservatives e.g. on brake discs.



Technical Data	
Chemical basis	Special benzine with D-limonene
Colour	Transparent
Smell/fragrance	Characteristic
Min. flashing point	10 °C
Hazard class (German Ordinance on Combustible Liquids)	Al
Density	0.74 g/cm ³
AOX-free	Yes
Silicone-free	Yes
Shelf life from production/ conditions	24 Month/below 25°C



500ML **Art.No. 0893 140**

CLEANER F. WINDSCREEN, SUMMER-RAPID-32ML

**Highly-concentrated windscreen cleaner 1:100.
Small container for easy dosing depending on tank size.**

Contains special cleaning substances

- Prevents smear formation
- Eliminates glare and lubricant films
- Ensures a crystal clear view
- Removes adherent insects and other soiling

Very good material compatibility

- Does not attack polycarbonate glass
- Gentle on paint and rubber

Instructions

Add rapid cleaner to windscreen wash depending on the wash water volume



Technical Data	
Chemical basis	Anionic tenside
Colour	Orange
Smell/fragrance	Peach
Ratio of ingredients	32 ml is sufficient for 2,5 - 3 l washing liquid
Container	Plastic bottle in a display box
pH value	6-7
Min. flashing point	40 °C
Density	1.03 g/cm ³
AOX-free	Yes
Silicone-free	Yes
Bio-degradable	Yes
Shelf life from production	24 Month

POLISH-(FASTCUT PLUS)-P10-1KG

Highly abrasive high-gloss polish for quickly removing surface defects in fresh repairs and fully hardened top coats

Innovative powdered composition made from aluminium oxide

- Extremely high surface removal rate and unprecedented gloss level
- Effortlessly removes sanding grooves from a grain of P1500 upwards

Thick consistency

- Polish does not splash
- Economical
- Low dust formation
- No laborious re-cleaning of adjacent areas

Can be applied manually and by machine

For conventional and scratchproof paint types

Suitable for use on used and new paint surfaces

Details/Application

Painted surfaces in the automotive, nautical or wood sectors. Solvent-based paints, one-component and multi-component systems, water-based paints, powder coatings, scratch-resistant clear lacquers. Not for matt paints. Highly abrasive high-gloss polish for quickly removing surface defects in fresh repair and fully hardened top coats as well as for polishing stubborn signs of usage on used paints.

Painter preparation: Trapped dust, sanding grooves, orange peel, paint defects

Instructions

Shake well before use. Moisten the surfaces of the selected polishing disc evenly with the paste and apply a small amount to the surface to be polished. Position the polishing pad flat on the area and start the machine. Apply a certain pressure at 1500-2000 rpm, process the surface until grinding traces or paint imperfections have been removed. Work in sections! Remove residual polish with a microfibre cloth. Remove any remaining streaks with P30 Plus anti-hologram polish.

Notice

Do not use on hot surfaces or in direct sunlight. Not suitable for polycarbonate glass.



Technical Data	
Chemical basis	Isoalkane
Colour	Green
Smell/fragrance	Characteristic
Density	1.25 g/cm ³
Silicone-free	Yes
Conditions to maintain shelf life from production	at 5°C to 35°C
Shelf life from production	24 Month



1KG **Art.No. 0893 150010**

POLISH-(ANTIHOLOGRAMM PLUS)-P30-1KG

High-gloss finish polish for permanently removing streaks and holograms on dark vehicle paints

Unique powdered composition made from aluminium oxide

- Fine removal with simultaneous unique mirror gloss
- Effortlessly removes sanding grooves from a grain of P3000 upwards

Thick consistency

- Polish does not splash
- Economical
- Low dust formation

Can be applied manually and by machine

Details/Application

Painted surfaces in the automotive, nautical or wood sectors. (solvent-based paints, one-component and multi-component systems, water-based paints, powder paints, scratch-resistant clear lacquers). Not for matt paints

Instructions

Shake the bottle well before use.

Apply an even coat of polish to the paint surface with a soft polishing cloth or polishing sponge, working in a circular motion, and then polish. Remove residual polish with a microfibre cloth.

Mechanical

Moisten the surface of the selected polishing pad evenly with the paste and apply a small amount to the surface to be polished.

Position the polishing pad flat on the area and start the machine. Polish the area applying a certain pressure until grinding traces or paint imperfections have been removed. Remove residual polish with a microfibre cloth.

Lambswool polishing pad, white 0585 23 80

Polishing pad, orange 0585 26 170

Microfibre cloth, professional Blue 0899 900 131

or paint imperfections have been removed. Remove residual polish with a microfibre cloth.



Technical Data	
Chemical basis	Isoalkane
Colour	Light grey (bright grey)
Smell/fragrance	Characteristic
Density	0.99 g/cm ³
Silicone-free	Yes
Shelf life from production	24 Month



1KG **Art.No. 0893 150030**

TOTAL RANGE

TYRE FOAM-500ML

High-quality care product for tyre walls

Cleans, cares, protects

- Simple application in one action, thereby saving time
- Repeated wiping is not required
- Ideal before placing tyres into storage
- Dust and dirt-repellent
- Does not attach paintwork, plastics, rubber or metals

Silk-matt gloss

- New tyre look
- Visually enhances, making it particularly suitable for demonstration vehicles

Optimum UV and ozone protection

- Does not whiten tyres
- Prevents brittling and cracks caused by age

Care foam

- Economical to use
- Forms a stable foam on the tyre, which runs off after sinking down

AOX and solvent-free

Details/Application

High-quality care product for tyre walls.

Instructions

Spray the foam evenly onto the tyre walls and leave it to dry. Re-wiping not required. Can also be used on wet tyres. Pre-clean briefly for heavy soiling.

Notice

Do not spray on tyre treads, brake discs and brake drums. Contains silicone.



Technical Data	
Chemical basis	Alkaline surfactants, silicone oil
Colour	White
Smell/fragrance	Characteristic
Density	0.919 g/cm ³ /at 20°C
pH value/conditions	9/at 20°C
Shelf life from production	18 Month



INTERIOR CLEANER

Special cleaning foam with anti-static additive for the entire vehicle interior

- Cleans all painted and plastic parts, glass surfaces and upholstery. Removes nicotine odours and leaves a pleasant fresh scent in the interior.
- The anti-static additive creates temporary anti-dust protection on the surface for longer lasting cleanliness in the vehicle interior.
- Works intensively to reliably remove stubborn dirt, even on vertical and sloped surfaces
- Silicone-free

Details/Application

Instrument panel, vehicle ceiling, door trims, seat upholstery, seat backrests, sun visors, console.

Notice

Do not spray directly on sensitive surfaces. Spray the interior cleaner onto a clean cloth and wipe the surfaces to be cleaned. Do not use on hot surfaces or in direct sunlight.

For optimum foaming, shake the can well before use!



Technical Data	
Chemical basis	2-propanol
Colour	Transparent
Smell/fragrance	Peach
Density	0.9 g/cm ³ / at 20°C
pH value/conditions	9.5
Min. flashing point	-60 °C
Shelf life from production	24 Month

BMF WORKSHOP CLEANER

Environmentally friendly cleaner for workshops, machinery and vehicles

No phosphates, solvents or corrosive substances

Can be used mechanically, manually or in high-pressure devices

Powerful at dissolving greases, yet mild and gentle on materials

Does not attack paints, rubber or plastics

pH value: 9.4

Silicone-free

AOX-free

Details/Application

For cleaning all water-resistant surfaces.



Technical Data		
Art.No.	0893 1182	0893 1183
Contents	5L	20L
Chemical basis	Alkaline tenside	Alkaline tenside
Colour	Luminous yellow	Luminous yellow
Smell/fragrance	Fruity	Fruity
pH-neutral	No	No
pH value	9.4	9.4
Density	1.04 g/cm ³	1.04 g/cm ³
Shelf life from production	24 Month	24 Month



GARAGE EQUIPMENT

STEEL GARAGE JACK WITH DUAL PUMP 2.5 T

Proven maximum reliable of hydraulic unit with features on professional daily use in garages

Extra low profile, ideally for low vehicles

Thanks to its 7.5 cm of ground clearance

Double pump for fasting lifting

Prevents overloading

Safety pressure relief valve

Prevents damage to vehicle

Rubber contact pad

Designed with 2-piece handle with practical twist locking and release for easy move

Application area

2.5 Ton capacity with low profile is an essential jack for application on all the sedan in a garage even in mobile service stations



Technical Data	
Load capacity	2.5 t
Min. height (A)	75 mm
Max. height (B)	515 mm
Width	328 mm
Length	722 mm
Height	150 mm
Number of rolls	4 PCS
Colour	Red
Material	Steel
Product weight (per item)	33.800 kg



Art.No. 0715 54311

GARAGE JACK CARGO HEAVY DUTY

Ideal for lifting heavy trucks, buses, agriculture and constructions equipments

Maximum durability

Heavy duty steel frame for maximum durability

Easy access lift point

Long frame

Safety overload system

Quick set-up and rise

Thanks to additional foot pedal control

Easy mobility

Oversized swivel casters



Technical Data	
Load capacity	10 t
Min. height (A)	160 mm
Max. height (B)	560 mm
Width	486 mm
Length	1540 mm
Height	160 mm
Number of rolls	4 PCS
Colour	Red
Material	Steel
Product weight (per item)	129 kg

Art.No. 0715 54314

TOTAL RANGE

JACK STANDS (WELDING & NO FOLDABLE)

- Fine adjustment and fast removal
- Self-locking ratchet style allows
- Solid steel handle
- Additional support
- Thanks to large foot base



Technical Data			
Art.No.	0691 539703	0691 539706	0691 539710
Load capacity	3 t	6 t	10 t
Min. height (A)	288 mm	395 mm	468 mm
Max. height (B)	425 mm	609 mm	715 mm
Colour	Red Black	Red Black	Red Black
Material	Steel	Steel	Steel
Product weight (per item)	6.400 kg	12.90 kg	28 kg

HYDRAULIC BOTTLE JACKS BASIC

Robust equipment for vehicle and load lifting in the garage with a reduced footprint and vertical orientation

- Heavy duty design
- Steel plate instead of cast iron for environment protection
- Preventing from oil leak
- Oil remaining clear after use
- Complies with ASME safety standards

Application area

Widely used in car worker shop for lifting vehicles



Technical Data			
Art.No.	0715 54410	0715 54432	0715 54450
Load capacity	10 t	30 t	50 t
Min. height (A)	225 mm	260 mm	280 mm
Lift height (C)	145 mm	160 mm	170 mm
Adjustable Height (mm)	80 mm	420 mm	450 mm
Maximum Height (mm)	447 mm	-	-

SHOP ENGINE CRANE

Foldable for easy storage

- Designed for shops with limited space
- Heavy steel construction for maximum durability
- Boom is reinforced to increase strength and eliminate vibration with telescoping at 4 positions.
- Rugged hydraulic cylinder
- Heavy-duty steel casters for easy positioning
- Front casters include a safety brake to prevent movement
- Includes heavy steel hook with safety latch
- Wide base for maximum stability



Technical Data	
Load capacity	2 ton
Min. height (A)	25 mm
Max. height (B)	2435 mm
Width	630 mm
Length	1550 mm
Height	160 mm
Surface	Lacquered/plain
Material	Steel
Product weight (per item)	101 kg

Art.No. 0715 85024

ENGINE STANDS

Quality and durability

Constructed of high-grade steel

Ensure a long-lasting finish and to help prevent rust

Lead-free paint finish is applied

Stability when needed

360° rotating head locks with a pin

Easy engine rotation

Long handle with rubber grips

Space saving

Foldable



Technical Data	
Min./max. height	860-860 mm
Width	250 mm
Load capacity	680 kg

Art.No. 0715 97011

TOTAL RANGE

ENGINE SUPPORT

Motor bridge w.double grooved chain,not extendible

Application with in line and transversely mounted engines

- For supporting engines with or without gearshift box
- Repairing gearshift or differential, engine mount, undercarriage, chassis and silent blocks

Avoiding damage to chassis

Rubber reinforcement on contactpoints to avoid damage to chassis



Technical Data	
Min./max. distance between supporting points	750-1472 mm
Min./max. distance between suspension points	0-650 mm
Support height (H1)	135 mm
Min./max. height of the fixture (H2)	60-290 mm
Load capacity	0.5 t
Product weight (per item) (55)	16 kg



Art.No. 0715 97020

WORKSHOP MECHANIC'S CREEPER ERGO

Creeper made from break-proof, impact-resistant plastic with anatomically shaped surface and raised foam neck support.

Robust

High load-bearing capacity of up to 135 kg
Resistant to oil, petrol, cold, heat and humidity

Practical and flexible

6 large, pivot-mounted wheels
2 large storage compartments for tools and small parts



Technical Data	
Load capacity	2 ton
Min. height (A)	25 mm
Max. height (B)	2435 mm
Width	475 mm
Length	1010 mm
Height	130 mm
Surface	Lacquered/plain
Material	HDPE - High density polyethylene
Product weight (per item)	101 kg



Art.No. 0715 93007

TOTAL RANGE

HYDRAULIC VEHICLE POSITIONING JACK

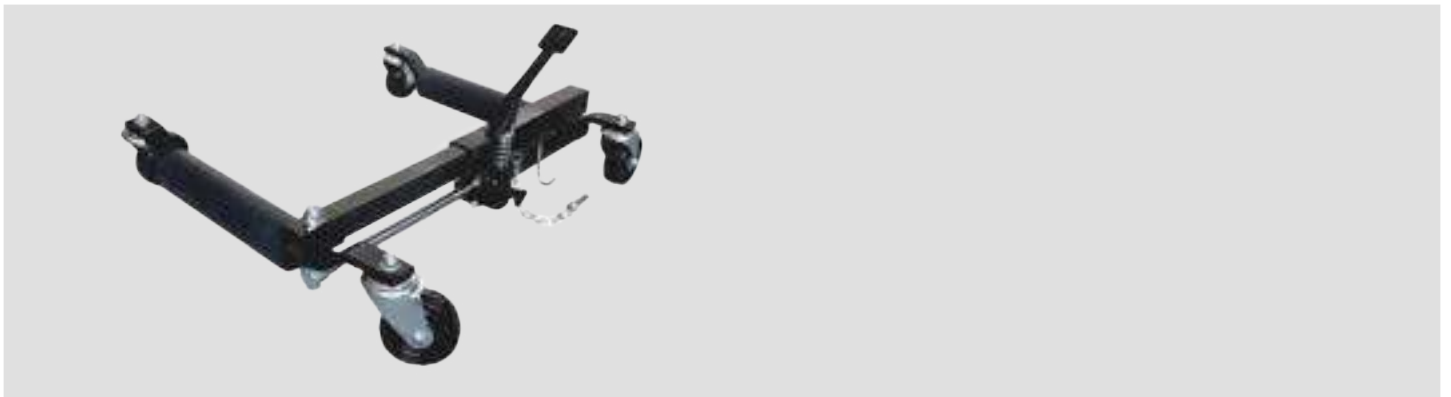
Helps to move your car or engine easily

Professional hydraulic positioning jack

Heavy duty, all steel construction with a quick release foot pump



Technical Data	
Load capacity	680 kg
Min. height (A)	150 mm
Max. height (B)	185 mm
Width	345 mm
Length	620 mm
Material	Steel/aluminium
Product weight (per item)	21.500 kg



Art.No. 0715 98051

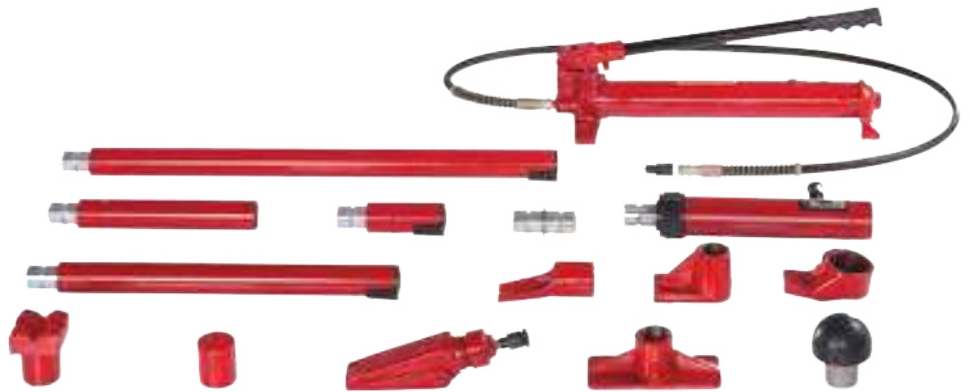
TOTAL RANGE

BODYWORK STRAIGHTENING TOOL, DENT REPAIR SET 15 PIECES

For heavy bodywork pressing tasks
Push-fit connection for faster assembly

Scope of delivery:

- 1x hand pump with hose (1)
- 1x 152 mm stroke pressure cylinder (2)
- 1x extension pipe 100 mm (5), 1x 250 mm (4), 1x 450 mm (6)
and 1x 700 mm (3)
- 1x pipe connection (7)
- 1x pressure piece wedge attachment (8)
- 1x piston rod attachment (9)
- 1x cylinder attachment (10)
- 1x pressure piece prism attachment (11)
- 1x grooved pressure piece (12)
- 1x spreader (13)
- 1x base plate (14)
- 1x rubber cap (15)
- 1x metal case



Technical Data	
Max. lifting capacity	10 t
Product weight (per item)	36000 g

Art.No. 0715 740100

TOTAL RANGE

MOBILE GREASE LUBRICATORS

Grease pump filling appliance hand operated w.tank
Mobile grease hand-crank lubricator 13 kg

Tank capacity 13kg

Compact to be used in all workplaces

Portable and wheel-mounted

Enable quick, high-pressure greasing on any motor vehicle or mechanism

- Max. outlet pressure 350-400 bar
- Flow rate 250-300g/min
- Equipped with hose 1/4" x 2m

Technical Data	
Material	Steel
Material of gasket	Nitrile butadiene rubber (NBR)
Lid diameter	400 mm
Height	520 mm
Product weight (per item)	12 kg



Art.No. 0986 020013

TOTAL RANGE

MOBILE HAND OIL PUMP

Oil pump filling appliance hand operated 24 liters Hand Oil Pump with tank

Tank capacity 24 L

Easy manipulation

Has wheels

- Quantity deliverable with complete cycle of lever - 220 g
- Oil dispensing hose 2m with metal fitting
- Max. oil viscosity: SAE 240



Technical Data	
Material	Steel
Material of gasket	Nitrile butadiene rubber (NBR)
Lid diameter	400 mm
Height	520 mm
Product weight (per item)	12 kg

Art.No. 0986 020024

TOTAL RANGE

WHEELED GREASE PUMP FOR BARRELS 200 LITER

Pneumatic Grease Pump suitable for barrel 180 -220 kg, equipped with Powerful Pump with pumping ratio of 60:1+5 meter hose and 3 wheel trolley , making the machine the right choice for the heavy industrial use.

Consist of:

- Air-operated grease pump ratio 60:1 / 12-16 kg
- Follower plate for pumps with shank \varnothing 30 mm
- Grease control gun with flexible hose and 4-jaws coupling
- 4) R2 hose 1/4" M-F length 3m
- 5) Wheeled tank for 16 kg

Technical Data	
Pumping ratio	60:1
Operating Pressure	2.5 - 8 Bar
Shank length	950 mm
Number of wheels	3
Hose Length	5 M
Capacity	180 - 220 KG barrels



WASHING TRAY 65L

For the washing of mechanical parts and items in general. The airoperated working at low pressure (max 0,5 bar) allows the washing with brush with continuous flux, or the washing of the items plunged in the liquid directly in the tank. For a correct use, spill 48-52 l of detergent liquid. The lid can be removed and so it is possible to work better.

- Collector capacity 50 l with removable lid
- Tank capacity 65 l
- Max use pressure 0.5 bar

Equipped with

- Filter and grate of decantation
- Blowing nozzle with spiral hose
- Brush with nylon bristles with 1.5 m length pvc hose

Details/Application

Instrument panel, vehicle ceiling, door trims, seat upholstery, seat back-rests, sun visors, console.

Warning

Do not use inflammable or corrosive liquids or substances that emanate toxic vapors.

Use exclusively specific chemical products for the washing of mechanical parts, to use only according to regulation furnished by the manufacturer.



Technical Data	
Chemical basis	2-propanol
Colour	Transparent
Smell/fragrance	Peach
Density	0.9 g/cm ³ / at 20°C
pH value/conditions	9.5
Min. flashing point	-60 °C
Shelf life from production	24 Month

MUDGUARD PROTECTOR, SYNTHETIC LEATHER

Protects against damage during maintenance and repair work

- With sewn-in magnetic clamps for steel bodywork
- Suitable for almost all vehicle types
- Outer material: Robust, black imitation leather



Technical Data		
Art.No.	0899 600	0899 601
Product weight (per item)	440g	1210g
Inner material	Magnetic	Sand
Length	1100 mm	1100 mm
Width	700 mm	700 mm
Material	Faux leather	Faux leather
Colour	Black	Black

UNIVERSAL CAR FRONT PROTECTOR

Prevents scratches to paintwork which can occur while working on vehicles through dropped tools and component installation. Supplied in practical carrying bag.

Test drive and light check can be carried out with cover attached

Large, transparent cut outs on headlights and radiator grille

Protects over a wide area

Allows work to be carried out around the engine bay without time-consuming re-adjustment of the cover

Adapts perfectly to various types of bodywork

Rubber straps can be attached around the engine bay simply and conveniently.

Washable

The removable fleece lining can be washed in the washing machine.

Application area

Universal protection for mudguards, radiator grille, bumper and lights on small cars, medium-sized cars and SUVs



Art.No. 0899 603

TOTAL RANGE

SEAT COVER

Seat protector made of LDPE (low density polyethylene), flexible and very practical.
Rolls with 500 pcs, perforated, dimensions 790 x 1,300 mm

Application area

For protecting seats during repair, maintenance and cleaning work in the vehicle interior.



Technical Data	
Material	MDPE - Medium-density polyethylene
Colour	White
Dimensions	790 x 1,300 mm
No. of pcs	500 pcs



Art.No. 1899 50001

CLEANING PAPER

- Highly absorbent
- Fits all common dispensers
- In various plies and widths
- Virtually lint-free
- Compatible for use with food
- High absorption capacity and tear-resistant

Application

The cleaning paper is suitable for cleaning surfaces in a range of fields (vehicles, metalwork, kitchen construction). Soiling such as oil and grease can be removed with the cleaning paper. Due to the high strength of the cloth, surfaces can also be cleaned of coarse materials such as chips and edges.

Area of use

- Sealing of expansion joints indoors
- Without primer: Most types of metals, wood, glass, enamel, tiles, hard PVC
- With primer: Concrete, chalky sandstone, clinker, brick, gypsum, plaster.

Instructions

Clean surfaces with the cleaning paper. It is possible to increase the cleaning effect of the cloth by using Würth cleaning agents.



FOR WIPING

Technical Data	
Material	Mixture of waste paper
Design	Roles ware
Colour	Blue
Sheet length x sheet width	36 x 38 cm
Length of roll	360 m

CLEANING PAPER STAND

Specification

Floor stand for cleaning paper rolls with wheels and waste bag holder
Stable and durable
Suitable for all common wiper and cleaning rollers

Application area

Workshops and factories, large kitchens/canteens. Suitable for use in any area where cleaning paper rolls are used.

Instructions

The dispenser is equipped with a waste bag holder and its wheels make it easy to transport.

Technical Data	
Material	Plastic / metal
Design	With wheels and rubbish bag holder
Colour	Red
Width	56 cm
Height	88 cm
Depth	68 cm
Roll width	38 cm

Art.No. 0899 800606



WALL-MOUNTED ROLL HOLDER

Specification

For cleaning paper rolls with waste bag holder
Stable and durable
Suitable for all common wiper and cleaning rollers

Technical Data	
Material	Plastic / metal
Design	With wheels and rubbish bag holder
Colour	Red
Width	50 cm
Height	32 cm
Depth	63 cm
Roll width	38 cm

Art.No. 0899 800607



DELRIN PLASTIC COOLING SYSTEM TESTERS

Specification

- Test cooling system for leaks.
- Suitable for most of cars due to complete accessories.
- Material : made of hard and durable Nylon66.



Art.No. 1800 881016

TOTAL RANGE

PNEUMATIC HOSE REEL

**Practical reel winder with high-quality hybrid polymer hoses in different sizes.
Order and safety at the workplace.**

Rugged, closed plastic housing.

Hose and winding mechanism are protected against dust and other soiling.

High-quality hybrid polymer hoses.

Oil-resistant with an extremely low weight.

Excellent behavior in low and high temperature range.

High flow capacity of hoses.

No pressure drop for increased efficiency and lower costs.

Wall, ceiling and floor mounting possible.

For universal use without additional changes.

180-degree swinging mechanism.

High freedom of movement and operating comfort.

Notes: Solvent (such as diesel oil) could harm the hose.



Technical data

Designation	Art. 0699 010 15
Max. working pressure in bar	20
Inside hose diameter in mm	9.5
Outside hose diameter in mm	15
Hose length	15 m
Supply hose	90 cm
Connection	R 3/8" male thread
Temperature range	-10°C to +60°C
Dimension (L × W × H in mm)	367 × 191 × 367
Weight in kg	7.2

Delivery scope

Reel winder in housing	•
Hose	•
Adapter with male thread	R 3/8"
Supply hose with male thread adapter	R 3/8"
Stopper ball	•
Wall holder	•
Installation/Instruction manual	•



- Hoses and cables lying on the ground present a considerable source of danger and can result in accidents.
- Eliminate obstacles that can cause tripping at your company and help prevent accidents (accident prevention regulations).
- Hoses which constantly lie on the floor or on a workbench are damaged more easily and must be replaced more often.
- Hose reels prevent this kind of damage, as the hose is always only unrolled for use.

Art.No. 0699 01015

PNEUMATIC HOSE WINDER DSA-S

Practical safety hose winder with high-quality polyurethane hose for order and safety in the workplace

Safe and comfortable work

The hose is guided from left to right while being wound up, preventing knots. The brake function minimises the risk of the hose being flung around in an uncontrolled manner if it is inadvertently released.

Protection against pollution

The robust, enclosed plastic housing protects the hose and the rolling mechanism from dust and other contaminants.

High resistance to kinking with an extremely low weight as well as resistance to oils and solvents. Excellent behaviour in low and high temperature ranges.

High-quality polyurethane hose (PUR)

No pressure drop for more efficiency and cost savings

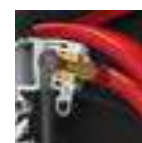
Hose has a high flow capacity as well as an innovative connection valve on the reel unit

Can be mounted on the wall, ceiling or floor

Bracket ensures a secure attachment to straight surfaces.

Low maintenance costs

Hose can be replaced without opening the housing.



Supply-hose length	1.5 m
Hose length (from stopper ball)	25 cm

Art.No. 0699 08018

TOTAL RANGE

RECHARGEABLE HAND LAMP LED

Latest lithium-ion battery technology

- Short charging time, long light duration

Boost function

- Boost main light function with 1000 lumen output delivered

Features

- Exclusive Würth design
- Two-component housing with good grip
- IP65 protection against water and dust
- One hooks for high flexibility
- Wrist strap
- Main light 5W SMD LED, spot light 1W LED
- Spot light above the luminaire head - flashlight function
- Switch mode - spot light, main light, off
- Luminaire head can be swiveled by 160°
- Battery charging status by three indicator lights
- Strong magnet on the bottom and back of the light
- Latest lithium-ion battery technology
- Short charging time, long light duration"

Includes

- Country versions: delivered with Lamp, Micro USB cable, AC/DC adapter, car charger
- Global version: delivered with Lamp and Micro USB cable



Technical data	
Luminous flux (Main light)	500 ml
Luminous flux (Spot light)	300 ml
Luminous flux (Main light Boost)	1000 ml
Luminous Period (Main light Boost)	2.5 h
Luminous Period (Main light)	5 h
Luminous Period (Spot light)	8 h
Charging Time	5 h
IP protection class	IP 65
Rechargeable battery	4200 mAh
Length x width x height	275 x 56 x 38 mm

Art.No. 0827 940455

INFRARED LASER THERMOMETER

For contact-free measurement of surface temperatures, with integrated laser pointer

Features

- Ergonomic, practical and suitable for use anywhere
- Easy measurement of temperatures in just seconds
- Thanks to the two-point laser beam, the measuring point can be focused even more precisely
- Reliable, precise measurement
- Extremely slim measuring cone of 12:1
- The slimmer the measuring cone, the more accurate the measuring result (e. g. for a distance of 12 cm, the measuring diameter is 1 cm)
- Digital setting of degree of emission
- Variable between 0.1 and 1.0 (factory setting 0.95)
- Can be switched from Celsius to Fahrenheit
- Eliminates complicated conversions
- With integrated display lighting
- Results displayed to one decimal place
- Adjustable alarm with extremely high or low temperatures
- Between -50 °C and +650 °C



Infrared laser thermometer is supplied in a practical pouch that can be fastened to the belt.

Technical data	
Min./max. temperature measuring range	-50 to 650 °C
Thermometer measuring cone	12:1
Nominal voltage	9 V/DC
Min./max. spectral range	8-14 μm
Reaction time	150 ms
Automatic switch-off	5 S
Battery designation	9 V block; PP3; F22



Art.No. 071553 110

TOTAL RANGE

MINI DIGITAL MULTIMETER

Small measuring instrument for measuring direct and alternating current, resistance testing, continuity testing, diode testing and contactless voltage testing

- The measuring leads can be fastened to the rear of the device; this protects them from damage and prevents injury from the measuring tips
- Permanently attached test leads, data hold, diode testing, continuity testing, integrated LED torch and automatic range detection
- With robust, splash-proof rubber housing and membrane keyboard
- Contactless voltage testing
- Automatic switch-off of device after 15 minutes



Technical data	
Display	LCD 2000 digits
Min./max. voltage measuring range	0.5 V/AC-600 V/AC
Min./max. voltage measuring range 2	0.5 V/DC-600 V/DC
Min./max. electrical-resistance measuring range	0 Ohm-20 MOhm
Automatic switch-off	15 min
Overvoltage protection category	CAT III/1000 V
IP protection class	IP 54
Battery designation	15 min
Number of rechargeable batteries/batteries	2 PCS
Length x width x height	104 x 55 x 32.5 mm



Art.No. 071553 370

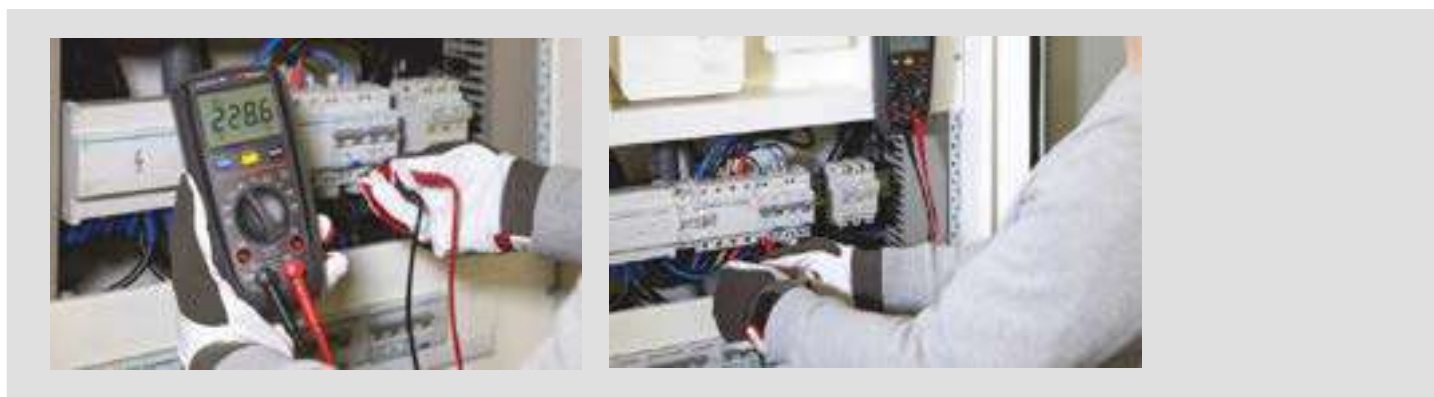
PROFESSIONAL DIGITAL MULTIMETER

Versatile TRMS multimeter, provides the most important functions for daily use in skilled trades, business and industry. For maintenance, installation, service. Robust due to shock-proof cover.g

- Measurement of voltage: AC, DC
- Measurement of current: AC, DC, from as little as 10 μ A
- Measurement of resistance, capacitance, temperature
- Audible continuity testing, diode test
- Voltage measurement with low impedance (VLOWZ = 500 kOhm), adjustable
- Non-contact voltage indicator (NCV): Displayed in red for hazardous voltage
- Built-in LED for simplified working in dark environments (illuminates the measuring point)
- Large backlit LCD display for optimum readability
- Resolution of 6000 digits for high accuracy
- Automatic range selection, AC/DC - detection and shutdown
- Fuses are very easy to change
- Attachment of the device to switch cabinets, metal doors with magnets in the shock protection cover
- Adjustable folding support enables installation at different angles of inclination
- Holder for test tips with 19 mm spacing simplifies measurement at sockets



Technical data	
Display	6000 digits
Min./max. voltage measuring range	0.6 V/AC-750 V/AC
Min./max. voltage measuring range 2	0.6 V/DC-1000 V/DC
Min./max. current measuring range	10 μ A/AC/DC-10 A/AC/DC
Min./max. electrical-resistance measuring range	1 Ohm-60 MOhm
Min./max. capacity measuring range	1 NF-100 MF
Min./max. temperature measuring range	-55 to 1200 °C
Automatic switch-off	Yes
Overvoltage protection category	CAT III/600 V
IP protection class	IP 54
Battery designation	1.5 V LR6 AA
Number of rechargeable batteries/batteries	2 PCS
Length x width x height	165 x 80 x 45 mm



Art.No. 071558 550

TOTAL RANGE

BATTERY/CHARGING SYSTEM TESTER WITH THERMAL PRINTER

Intelligent battery and charging system tester for simple, fast and accurate testing of starter batteries with integrated thermal printer

- Testing of batteries from 6 to 12 volts and testing of charging systems (alternators) at 12 and 24 volts
- Checking the battery status (SOC), status of charge (SOH), cold start current (CCA), starting voltage and diode ripple
- Reverse polarity protection prevents accidents when connecting clamping pliers
- Minimal effort required as removal of the battery is not necessary
- Battery tests can be carried out with the customer present and necessary measures can be decided on immediately
- Battery test can be documented immediately using integrated thermal printer with personalised printouts
- Test does not affect charge status of battery
- Operator errors are avoided as the device automatically adjusts the test criteria and test time
- Voltage measurement from 1.5 to 30 V
- Fully insulated, high-quality clamping pliers
- 16-digit LCD display with background lighting
- Display can be adjusted to the lighting conditions
- Multilingual menu guidance and printout



Test standards (test ranges):

- CCA/SAE (40 - 2000)
- EN (40 - 1885)
- DIN (25 - 1120)
- IEC (30 - 1320)
- JIS (by type of battery)

Technical data	
Nominal voltage	12 V
Min./max. voltage measuring range	Yes
Min./max. voltage measuring range 2	Rubber



Art.No. 0772 800100

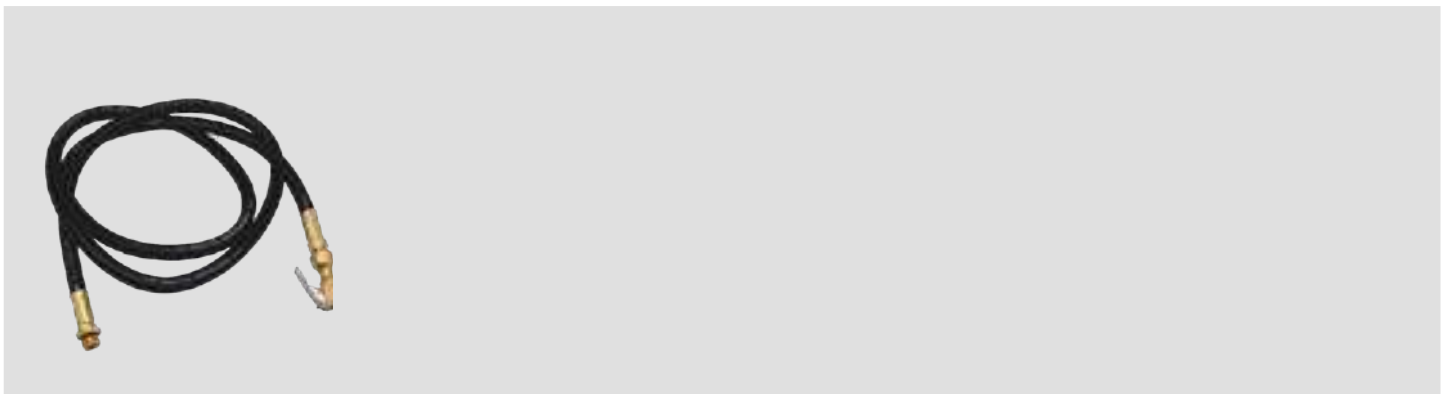
DIGITAL TYRE INFLATOR

Digital tyre inflator with easy-to-read LCD display

- 4 unit settings (BAR, PSI, KPA, KGF)
- 1.5 m hose
- Comfortable rubber grip
- Clip-on air chuck
- Grip mounted inflation/deflation lever
- Back light feature
- Measuring range: 0-12 BAR (0-175 PSI)
- Reading accuracy is 0.01 BAR (0.1 PSI)
- Max. inlet pressure is 15 BAR (218 PSI)
- Requires 2 x AAA Batteries (not included)
- Related Product:0827111



Technical data	
Product weight (per item)	1363 g



Art.No. 071554 071

TOTAL RANGE

TYRE INFLATOR WITH ANALOGUE CALIBRATION WITH 2C HANDLEPIECES

Easy-to-read precision manometer

- The large dial provides enough space for the scale chart

Comfortable operation

- The 1 m long filling hose enables easy measurements in hard-to-reach

Quick coupling to the tyre valve

- Connected to the valve within seconds thanks to quick-connect nipple

Comfortable handling

- 2C handle sits well in the hand and does not slip

Instructions

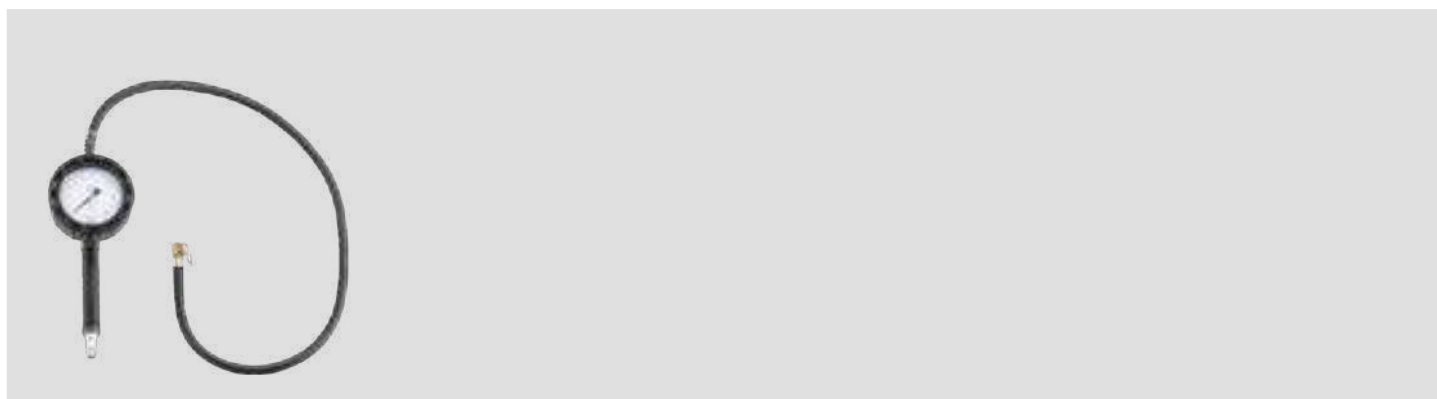
Attach plug-in nipple to tyre valve and twist by one half turn

Emptying: Push lever half-way

Filling: Push lever until it stops



Technical data	
Min./max. pressure measuring range	0-12 bar
Pressure conditions for measuring accuracy	< 0.08 bar: 0-4 bar < 0.16 bar: 4-10 bar < 0.25 bar: > 10 bar
Max. operating pressure	12 bar
Min./max. temperature conditions	-5 to 40 °C
Medium that can be measured	Air
Manometer diameter	80 MM
Hose length	1 m
Connection thread	1/4 inch
Product weight (per item)	588 G
Material of housing	Impact-resistant plastic
Max. pressure measuring range	12 bar
Material of handle	2-component plastic
Length x width x height	165 x 80 x 45 mm



Art.No. 071554 025

TOTAL RANGE

TYRE INFLATOR WITH DIAL-(0.5-12BAR)-1/4IN

Sturdy, functional tyre pressure pump approved for tachograph control

Sturdy

- Impact-resistant plastic with rubber sheath

Easy to operate

- +/- buttons
- Precision pressure gauge



Technical data	
Min./max. pressure measuring range	0.5-12 bar
Max. working pressure	16 bar
Min./max. temperature conditions	-10 to 50 °C
Hose length	530 mm
Pressure measuring accuracy	0.1 bar
P.Qty	1

Art.No. 0715 541070

TOTAL RANGE



TECHNICAL CHEMICALS

WEATHERPROOFING SEALANT PRO CLASS 50

Professional applications in cladding and curtain walls. is a durable neutral-curing silicone sealant with a high movement capability and good adhesion to a wide range of substrates. It is particularly suited as a weather seal for structural glazing, curtain walling and windows.

Features

- Single-component, deoxime neutral curing, medium/high modulus.
- High tensile strength, high adhesive ability.
- Excellent unprimed adhesion to most common building substrates.
- Excellent weatherproof, age resistance.
- UV and Ozone stable.

Note

Surface temperature of the substrate should not exceed 45 degree centigrade.

Packaging Information

Unipack	300ml
Cartridge	600ml



Art.No	Color/RAL	Contents
0892 050 300	Weatherproofing Sealant Pro RAL7035-CCRGREY	300ml/457g
0892 050 301	Weatherproofing Sealant Pro RAL9016-WHITE	300ml/457g
0892 050 302	Weatherproofing Sealant Pro RAL9017-BLACK	300ml/457g
0892 050 600	Weatherproofing Sealant Pro RAL7035-CCRGREY	600ml/831g
0892 050 601	Weatherproofing Sealant Pro RAL9016-WHITE	600ml/831g
0892 050 602	Weatherproofing Sealant Pro RAL9017-BLACK	600ml/831g



Chemical base	1-component silicone	
Color (CQP001-1)	Various colors available A	
Cure mechanism	Moisture-curing	
Cure type	Neutral	
Density (uncured)	1.40 kg/l	
Non-sag properties (CQP061-4 / ISO 7390)	NS Type	
Application temperature, ambient	C° 5 - 45	
Skin time (CQP019-1)	5 minutes ^B	
Tack free time (CQP019-3)	140 minutes ^B	
Curing speed (CQP049-1)	2mm/24h	
Shore A hardness (CQP023-1 / ISO 48-4)	25 C	
Tensile strength (CQP036-1 / ISO 527)	1.5 MPa	
100 % modulus (CQP036-1 / ISO 527)	0.4 MPa	
Elongation at break (CQP036-1 / ISO 527)	600 %	
Tear propagation resistance (CQP045-1 / ISO 34)	8.0 N/mm	
Service temperature	-40 - 150 °C	
Shelf life	unipack	15 months ^D
	cartridge	12 months ^D

Main Function

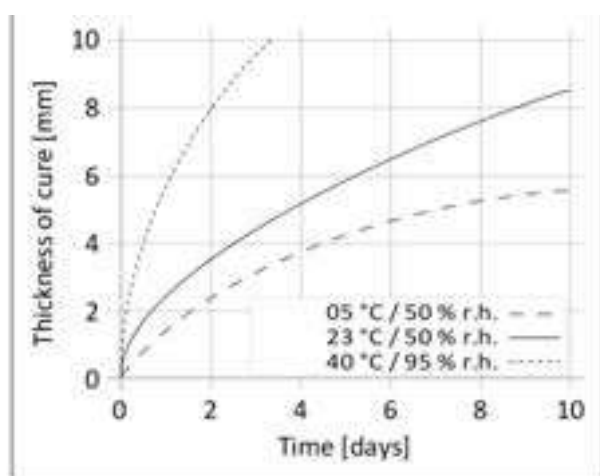
- Meets requirements of GB/T 14683 and ASTM C 920 for Type S, Grade NS, Class 50 (movement capability $\pm 50\%$).
- Very good UV and weathering resistance.
- Adheres well to many substrates including glass, metals, coated and painted metals, plastics, and wood.
- Conformity with LEED v4 EQc 2: Low-Emit ting Materials.

WEATHERPROOFING SEALANT PRO CLASS 50

Cure Mechanism

0892050xxx cures by reaction with atmospheric moisture. At low temperatures the water content of the air is generally lower, and the curing reaction proceeds somewhat slower (see diagram 1).

The curing speed of the reaction depends mainly on the relative humidity and temperature. Material temperature above 50 °C could lead to bubble formation and has to be avoided.



Health and Safety Information

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological, and other safety-related data.

Application

Can be used for weather proofing sealing applications where durability under severe conditions is required.

It is particularly suited as a weather seal for structural glazing, curtain walling and windows.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility. The optimum temperature for substrate and sealant is between 15 °C and 45 °C. Can be processed with manual, pneumatic or electric driven piston guns. Joints must be properly dimensioned.

Tooling and finishing

Tooling and finishing must be carried out within the skin time of the sealant. When tooling freshly applied 0892050xxx press the sealant to the joint flanks to get a good wetting of the bonding surface. No tooling agents to be used.

Removal

Uncured 0892050xxx can be removed from tools and equipment with suitable solvents. Once cured, the material can only be removed mechanically.

Hands and exposed skin have to be washed immediately using suitable industrial hand cleaner and water.

Do not use solvents on skin.

Overpainting

0892050xxx cannot be overpainted.

Safety Notice

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, Unipack toxicological, and other safety-related data.

Basis of Product Data

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.



MANUAL SAUC/CARTRIDGE GUN-600ML

Manual pressure application gun for bag sealants

- Light application of force and uniform pressing out of sealant bag
- Immediate power transmission to push rod
- Easy to clean
- By simply screwing off white bag piston, also suitable for processing 600 mL cartridges



600ml **Art.No. 089140060**

SILICONE ACETATE - ANTI FUNGUS

PROPERTIES

This is an acetate-based sealant with permanent elasticity and excellent adhesion to most silicate materials (aluminium, ceramics, glass, glazed surfaces, profiled glass, klinker and porcelain).

It is also suitable for use in rooms where mould can form.

- It prevents mould to form on silicone due to special admixture.
- Does not slump in vertical joints.
- Excellent adhesion to aluminium, ceramics, glass, glazed surfaces, profiled glass, klinker and porcelain.
- Good mechanical properties.
- Resistant to various chemicals.
- Not suitable for sealing tinned sheet.
- Releases acetic acid during hardening.
- Wide selection of colours (see colour chart).

Application

For sealing joints in rooms where mould can form (bathrooms and basements), for sealing silicate materials and less stressed joints, and for profiled glass mounting.

STORAGE

12 months in unopened packaging in a cool and dry storage place at temperatures under 27°C

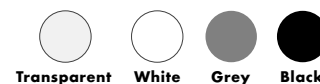
Tests and Certificates

- EN 15651-3:2012 S.



Technical Data	
Chemical basis	acetic acid silicone
Specific gravity	940 ± 10 kg/m ³
Skin formation time	23 °C/50% rel. humid. 20 min
Hardening time	23 °C/50% rel. humid. 3 mm/day
Temperature resistance	between -40 ° C and +150 ° C

Art.No	Color/RAL	Contents	P.Qty
0892 287001	Transparent	280 ml	20
0892 287002	White	280 ml	
0892 287006	Black	280 ml	
0892 287092	Grey	280 ml	



ACRYLIC SEALANT

Sealing of low and medium movement joints between various construction materials (wood, concrete, brick etc., sealing joints between windows, walls, doors etc.,) filling cracks in walls and on ceilings. Can be painted over once cured.

Instructions: The joints must be clean and free from dust, grease and rust. No primer is required for non-porous surfaces. On porous surfaces such as concrete, stone, cement and plaster. A primer (mixture of one part acrylic sealant and 4-5 parts of water) should be applied. Min/max joint width must be 5mm/25mm. The recommended joint depth/width ratio is 1 to 2. Application temperature is between +5 °C and +40 °C. Immediately after the application, smooth the sealant at once with a joint smoother. Excess sealant can be removed with a wet cloth. Keep the sealed joint dry at least for two hours. Cured sealant can be removed mechanically not suitable for permanent water storage.

- Highly elastic
- Broad adhesive range on a range of standard construction surfaces
- Building material class B2 according to DIN 4102
- Silicone-free
- Resistant to ageing, weathering and UV
- Odourless



Technical Data	
Chemical basis	Acrylic dispersion
pH Value	7-8
Specific gravity	1,65 ± 0,03 gr/cm ³ (ASTM D792)
Tack free time	50 ± 20min (23°C and 50% R.H) (ASTM C679)
Skin forming	10 min
Curing rate	1 to 2mm/day (23°C and 50% R.H)
Elongation at break	≥ 300% (ASTM D412)
Max. permanent motion	5%
Temperature resistance	-10°C to 80°C
Application temperature	+5°C to 40°C
Hardness (shore A)	50

SEALANT DICHTFIX 310ML

Sprayable, MS polymer-based sealant for restoring the original texture following accident repair work.

Very broad adhesive range

Adheres to large range of surfaces, even without a primer coat.

High Shore A hardness

The material is resistant to mechanical loads.

High tensile strength and elongation at tear

The seam also withstands stronger movements/elongations.

UV-stable

Excellent ageing behaviour, even when seams are not painted.

„Wet on wet“ can be painted over

Isocyanate- and silicone-free

Application area

Seam sealing with replacement of parts in the engine compartment, boot, on the under-carriage, spring strut and wheel arches.



Technical Data	
Chemical basis	POP mixed polymer
Color	Biege
Density/conditions	1.48 g/cm ³ / at 23°C, 50% relative humidity
Shore A hardness	40
Min. skin-formation time /conditions	25 min / in accordance with DIN 50014
Ultraviolet resistance	Yes
Min./max. processing temperature	5 to 30 °C
Min./max. temperature resistance	-40 to 80 °C
Shelf life from production	15 Month
Conditions to maintain shelf life from production	at 5°C to 25°C
Silicone-free	Yes
Isocyanate-free	Yes
Full curing speed	3 mm/d
Min. skin-formation time	25 min

310 ml **Art.No. 0893 228**



**Application gun
PS4 PNEUMATIC GUN**

Art.No. 0891 6284

PS4 PNEUMATIC GUN

Can be used with a 310-ml cartridge to spray or extrude a spray seal

Many settings

- Can be used to recreate any common type of bodywork seal (spray seals, crimped joints)
- An open cartridge can be left in the gun for several weeks

Application

Car/truck bodywork



Technical Data	
Suitable for	310 ml cartridge
Length	320 mm
Connection thread	1/4 inch
Max. operating pressure	8 bar

Art.No. 0891 6284

TOTAL RANGE

1K B1 FIRE RESISTANCE FOAM 750ML

WARRINGTON fire certified for firestopping at linear joints.
Tested and certified against concrete, mortar, masonry, steel, aluminum, soft wood and hard wood substrates.
Sound insulation 61db rw bothsides $\geq 50\text{mm}$ & $\leq 30\text{mm}$ width

Properties

Joint Foam Fire Resistance plus – fire resistance Hand held foam, has good heat, sound insulation and outstanding adhesion on most of building materials such as Wood, Concrete, Metal , Aluminum, Bricks, UPVC but not polyethylene, silicon and Teflon.

Features

- High yield, approximately 40L.
- High thermal and acoustic insulation.
- Cellular structure: closed cells.
- High extrusion ability
- Building material class B1 (DIN 4102).
- Resistance up to 4 hours according to EN13501 and BS 476 part 20.
- Resists against ageing, temperature, many chemical agents, does not resist against UV-radiation.
- HCFC and CFC

Main uses

Fire, thermal and acoustical insulation, filling of cavities and sealing of building joints, hardly flammable if applied on solid and mineral based materials, or between metallic materials, fixing and mounting of (fire-proof doors and windows ,safes,...) or wherever a great fire resistance is needed.

Storage

- Use before end of written expiry date on aerosol can, store in cool and dry conditions, can must be vertical position.
- Shelflife is 12 month if stored between 10°C - 20°C, higher storage temperature shorten the product shelf life.



CF 5585
Valid to May 2025

1K-B3 ASSEMBLY FOAM-750 ML

General Recommendations

Cured PU foam must be protected from UV-radiation by painting or applying a top layer of sealant (silicon, MS polymer, etc.)

Health & Safety Recommendations

- Apply the usual industrial hygiene.
- Wear gloves and safety goggles.
- Remove cured foam by mechanical means only, never burn away!

Method of Application

- Surface must be clean and free of all grease, dust, and moveable parts.
- Moisture the surface in order to improve curing and cellular structure.
- Shake can well before use (at least 20 times).
- Spray the foam; make sure the can is in an upright position.

Storage

Store can vertical in cold and dry place with temperature range from 5°C up to 25°C.

Product Description

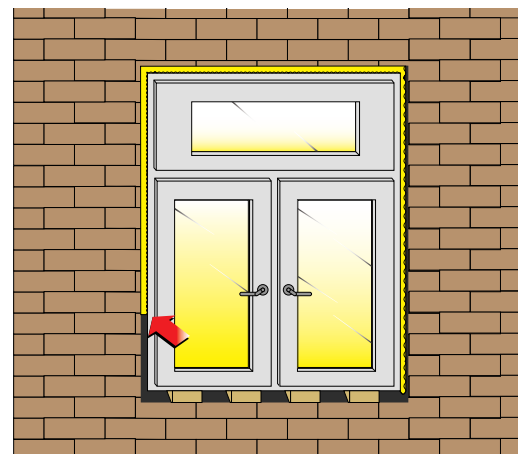
Is one component polyurethane expansion foam ,multi-purpose gap filling, sealing, bonding and insulating with outstanding adhesion to most substrates (except Teflon, PE, & PP), Increase thermal and sound insulation, environment friendly, CFC free, HCFC free, High level of stability (free of shrinkage or post expansion effects).

Areas of Application

- Installing, sealing, or insulating window, door, and other construction frames of various materials (wood, plastic, metal).
- Creating a soundproof layer for various applications.
- Improves thermal isolation in cooling systems.
- Filling cracks and holes in floors and walls.
- Several applications in Roof Constructions:
- Filling inter-connection spaces, sealing openings, and fixing front panel, corrugated steel, & roof tiles.
- Connecting insulation materials, as well as creating Insulation for:
- Electrical outlets, hot & cold water pipes, bath tubs, electrical heaters.
- Large cracks, holes, joints, & gaps around pipe entries.
- Window type air conditioning ventilation & A/C ducts.



Technical Data	
Chemical basis	Polyurethane Prepolymer
Can temperature	Min. +5°C
Application-surface and ambient temperature	+5°C to +35°C
Non-sticky surface	About 10 Minutes
Building material class (DIN 4102 Part 1)	B3
Shelf life	12 Months (at +5°C to +25°C)



750 ml **Art.No. 0892 149751**

FIRE PROTECTION SEAL - ACRYLIC

Suitable For

For fire protection sealing of linear joints in fire rated walls and floors as well as fire protection of building service penetrations. Suitable for most common construction materials such as concrete, brick and gypsum board

Properties

- Acrylic emulsion
- Fire rated in both horizontal and vertical joints and service penetrations
- Joint movement capability 12.5%
- Skin Formation time 20 minutes depending on temperature and humidity
- Tack free time 40 minutes
- For use in joints up to 50 mm wide
- Excellent slump resistance
- Shelf Life 18 months under cool and dry conditions, (5 to 30 degrees Celsius)
- Fast cure, tack free within one hour
- Halogen Free
- Paintable
- Reduces sound transmission in joints

Technical Data

- Fire resistance periods up to 240 minutes according to BS476: Part 20 fire resistance classification up to EL 120 according to EN 13501-2. Please see ETA 16/0235 and ETA 16/0236.
- Resistant to moisture and water splashes, neutral odour, UV resistant, free of halogen and silicone compounds
- Airborne sound insulation $R_w(C,CTr)=40$ (-3;-8 dB) according to BS EN ISO 140-3:1995 / EN ISO 717-1:1997
- Classification Sealant ISO 11600 - F - 7.5P
- Application temperature +5 to +40 degrees Celsius
- Temperature resistance -15 to +75 degrees Celsius
- UL EC Certificate of constancy of performance 0843-CPR-0304 according to regulation 305/2011/EU



White

310 ml (White)

Art.No. 0893 303009

STAINLESS STEEL CARE PRODUCT-SPRAY-400ML

Cleaning care emulsion for metallic surfaces

Nurturing, creamy emulsion with cleaning effect

- Dirt, cleaning and wiping marks and greasy, oily finger prints are thoroughly removed
- Can be used on vertical surfaces

Application

First remove coarse dirt with stainless steel power cleaner. Spray onto the dry surface; polish with a soft cloth and wipe off thoroughly.

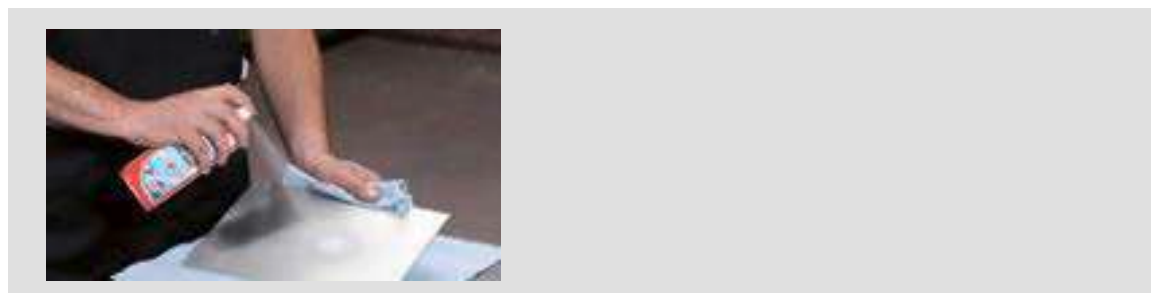
Notice

Do not spray on hot surfaces or use in direct sunlight.

The usage instructions are recommendations based on the tests we have conducted and based on our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. Insofar as our free customer service provides technical information or acts as an advisory service, no responsibility is assumed by this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee consistent quality of our products. We reserve the right to make technical changes and further develop products.



Technical Data	
Chemical basis	Medic white oil with synthetic oils
Smell/fragrance	Characteristic
Colour	White
pH value	10.2
Density	0.855 g/cm ³
AOX-free	Yes
Silicone-free	Yes
Bio-degradable	Yes
Shelf life from production	24 Month



400ml Art.No. 0893 121

TOTAL RANGE

WELDING SPRAY-PERFECT- 400ML

Biological welding protection spray for aluminium, structural steel, non-ferrous base metals, stainless steels and welding torch nozzles.

Prevents burning-on of weld splatter on metals, VA materials and on welding torch nozzles

Contributes towards optimum welding work. Starting points for corrosion are prevented

Harmless when subsequently galvanising and painting

- Disruptive crack products are avoided due to the minimal proportion of organic substances.
This allows welding residues to be removed effortlessly.
- Any subsequent galvanising or painting is then easily possible



Application



HIGH-STRENGTH SCREW RETAINER

Tough removable screw retainer and sealing compound – single-handed dispensing system

- Can only be removed once heated up to > 250°C
- A 100 % seal is achieved - no additional securing parts are necessary
- Protects against corrosion due to friction and against rust
- Universal products with wide range of applications
- High resistance

DOS system:

- Practical one-handed operation thanks to the clever turn lock
- One hand always remains free.
- Continuously adjustable dispensing system
- Dispensing can be adjusted to suit the application, and to keep consumption and costs to a minimum.
- No residue material in dispensing neck
- Costs optimised thanks to emptying with virtually no remaining product

Application

For securing, fastening and sealing threaded connections such as bolts, stud bolts, nuts, threaded plugs, thread inserts, ball bearings and roller bearings, which do not normally have to be detached. The high-strength threadlocker is for use in the automotive and commercial vehicle industry, in metalworking and tool manufacturing, shipbuilding, mechanical engineering and engine construction, and electrical and electronics construction.



Technical Data	
Chemical basis	Dimethacrylic acid ester
Colour	Green fluorescent
Suitable for max. thread	M25
Min./max. viscosity /conditions	500-900 mPas / at 25°C, Brookfield RVT, spindle 2/20 rpm
Density/conditions	1.11 g/cm ³ / in accordance with DIN EN ISO 2811-1
Min./max. processing temperature	5 to 35 °C
Min./max. temperature resistance	-55 to 150 °C
Weight of content	50 g
Shelf life from production	18 Month / at room temperature



50g Art.No. 0893 270050

TOTAL RANGE

ZINC SPRAY, PLUS, BRIGHT- 400M

Outstanding long-time protection and optimum metal surface appearance.

- Long-term protection and repair of metallic surfaces
- Excellent corrosion protection
- The metal is actively protected, even with minor damage
- Over 100 hours of salt-spray resistance (**DIN 50021 SS**)
- Excellent adhesive properties on bare metal
- Excellent spot welding properties

Technical Data	
Chemical basis	Acrylic resin
Colour	Silver grey
Min. curing time	24 h
Fully hardening/curing conditions	20°C
Resistance in salt-spray test	400 h
Max. temperature resistance	400 °C
Dust-drying time	10 min
Dry layer thickness (first back-and-forth motion)	20 µm
Conditions for dust-drying time	at 20°C
Zinc content in the dry film	80 %
Coating thickness	20 µm
Recoat/Can be painted over	Conditional, preliminary testing required
Grip strength conditions	at 20°C
Substrates with good adhesion	Ferrous metals, Zinc plated surfaces
Spot weldable	Yes
Cross-cut test conditions	in accordance with ISO 2409
Conditions for resistance in salt-spray test	in accordance with DIN EN ISO 9227
Shelf life from production	36 Month



Application

Resistance in salt-spray test/Hours = 168



Zinc Spray



Competitive product

Resistance in salt-spray test/Hours = 500+



Zinc Spray



Competitive product

MOVEMENT DETECTION PAINT

Solvent-free locking, marking and sealing lacquer with good adhesion to virtually all materials
High temperature resistance up to min. 145 °C

Also suitable for outdoor use

High insulation resistance

As a covering for electrically conductive parts

High mechanical strength

But can still be removed

No corrosion

Good resistance to water, limited resistance to oil, petrol and diesel

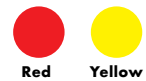
Solvent and silicone-free

Practical accordion bottle

- Easy handling
- Better residue removal
- No clogging of the tip

Application

The screw retainer varnish is suitable for visually checking all possible movements between connected adjusted parts, and thus documents quality assurance, manufacturing control and product testing with a lacquer seal and protects against intrusion by third parties. The screw retainer varnish is applied to stud bolts, pressure fittings, nuts and other threaded connections once they have been properly pre-stressed and adjusted.



Technical Data	
Min./max. processing	5 to 30 °C
Min./max. temperature	-40 to 145 °C
Min. initial strength	30 min
Min./max. final strength	12 h-24 h
Shelf life from production	24 Month



Red 50ml **Art.No. 0893 741451**

Yellow 50ml **Art.No. 0893 741452**

BOND SEAL-KD

Elastic PU adhesive and sealant for a broad range of uses

Outstanding adhesive strength on a wide range of materials and surfaces.

Approved for use with foodstuffs (ISEGA certificate)

- Harmless to health in hardened state
- Suitable for gluing and sealing in food processing areas

Universal application

Outstanding adhesive strength on a wide range of materials and surfaces.

Approved for use with foodstuffs (ISEGA certificate)

- Harmless to health in hardened state
- Suitable for gluing and sealing in food processing areas

Highly elastic

- Bonding of identical and different substances possible
- Compensation of different material expansions
- Absorbs vibrations and sounds

Long skin formation time

- Allows bonding or sealing of complex components
- Also ideal for large surfaces
- Assembly components can be repositioned

Can be ground/painted

Following skin formation, can be mechanically machined and painted over without surface activation (perform preliminary tests to check paint compatibility).

Not corrosive

Avoids corroding the metal

Application

For a wide range of bonding and sealing work on surface materials such as metal, painted surfaces, wood, stone, concrete and plastic (polyester and hard PVC).

Odourless

Silicon-free

300ml **Art.No. 0890 100...**



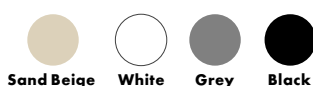
dauerhaft 90°C
8 Stunden bis 120°C



45 - 60 Min.

ca. 4 mm/24 Std.

Art.No	Color/RAL	Contents	P.Qty
0890 1001	White	300 ml	24
0890 1002	Grey	300 ml	
0890 1003	Black	300 ml	
0890 1006	Sand beige	300 ml	



ADHESIVE LUBRICANT HHS® 2000 - 500ML

Partly synthetic oil that is extremely resistant to high pressures.

- Eliminates creaking and squeaking noises, features excellent creeping and penetration properties and provides excellent corrosion protection
- Very good adhesive lubricant; does not shear off turning and rotating parts
- Compatible with O-rings and X-rings as well as plastics. Does not affect painted base materials.
- Resistant to spray water and salt water, weak acids and alkalis
- Free from silicone, resin and acids

Application

Extremely high-pressure-resistant partly synthetic oil for universal lubrication and for high pressure loads.

Suitable for universal lubrication and for high pressure loads, e.g. shifting, accelerator and clutch linkages, Bowden cables, pins, joints, hinges, reversing levers, lock strikers, drag link ends, slide rails, chain wheels, toothed racks, open gearwheels and much more.

Instructions

Carefully and thoroughly pre-clean the lubrication points before each application. Shake the can before use, spray the parts and let it take effect briefly.

After use, spray the spray head upside down until empty.



Technical Data	
Chemical basis	Hydrocarbon
Oil basis	Mineral oil
Colour	Yellowish
Smell/fragrance	Oil
Min. temperature conditions	-25 °C
Max. temperature conditions	180 °C
Max. temperature resistance	200 °C
Min. flashing point of active ingredient	300 °C
Kinematic oil basis viscosity	1500 cSt
Shelf life from production	24 Month

500ml **Art.No. 0893 106**

SUPERGLUE SUPER-FAST GLUE -20G

For bonding metal, plastic and rubber parts with and to each other in a matter of seconds

Clever special closure

- Precise dispensing
- The tips do not become clogged

Bonds in seconds

- Immediate further processing possible
- Fast repairs
- Simple designs without additional fastening materials possible

High level of resistance to ageing and climatic conditions

Solvent and silicone-free

Instructions

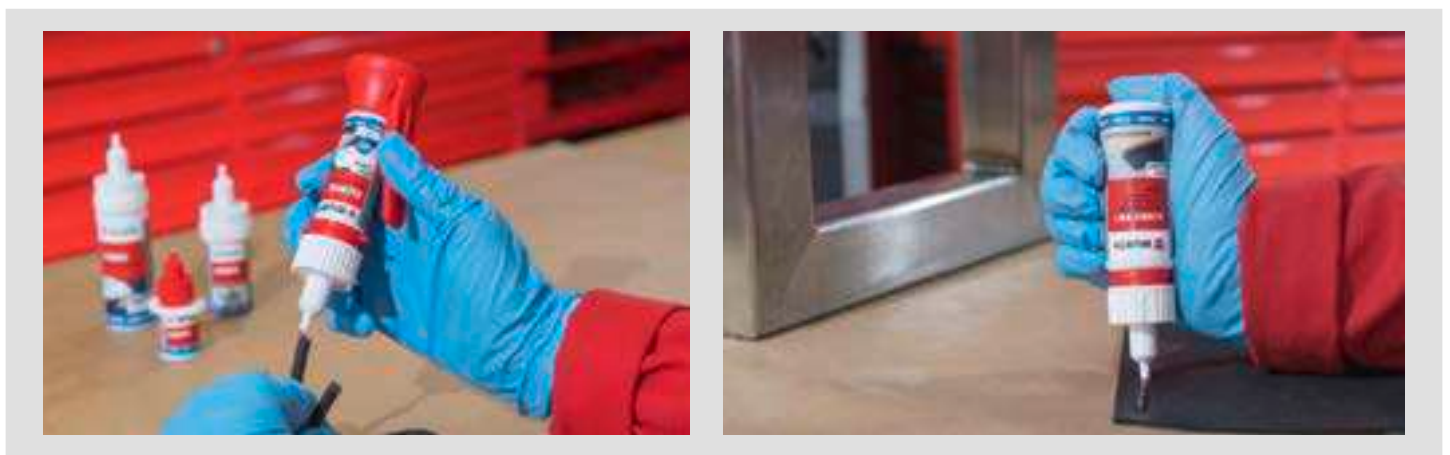
The application surfaces must be clean, dry and free of grease. For pre-treatment, refer to the technical data sheet. Apply a thin, even layer of adhesive to just one of the surfaces to be adhered. Apply sufficient pressure to make the connection immediately, in order to ensure complete contact.



Technical Data	
Colour	Transparent
Max. gluing gap size	0.1 mm
Chemical basis	Cyanoacrylate acidic ester
Shelf life from production/ conditions	15 Month/at room temperature

Application

Superglue for bonding metal, plastic and rubber parts with and to each other.



ASSEMBLY PARTS CLEANER LIQUID - 25 LITERS

VOC-free cleaning liquid for the PARTS CLEANER parts washing device and pump spray bottle. NSF-certified.

Contains no volatile organic components

Meets the specifications of the detergent provisions according to 31.BlmSchV (German Federal Immission Control Ordinance)

Excellent cleaning power

Oil, grease and other dirt is quickly and thoroughly removed from brakes, engine and tool parts.

Good material compatibility

Rapid separation in waste water according to

Austrian standard test B5105

Biodegradability > 95%

PH value 9.5

AOX-free

VOC-free

Contains no volatile organic components (VOC)

Aqueous, material-protecting cold cleaner based on esters of fatty acids with excellent oil and grease loosening cleaning power and temporary corrosion protection



Details/Application

When filled for the first time (4x25 l). For replacing and controlling the fill level of the part washing device Würth PARTS CLEANER, art. no. 0995 000 000.

Instructions

Fill undiluted into the PARTS CLEANER part washing device. Observe the fill level!

Add to pump spray bottle likewise as a concentrate. Spray the product plentifully onto the parts to be cleaned and allow to take effect according to the degree of contamination. Then rinse with fresh product or wipe down. If necessary, use a brush or sponge to aid cleaning.

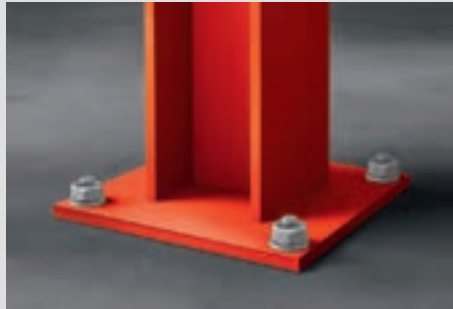


ANCHORING

Typical applications



Post-installed reinforcing bar connections (rebar)



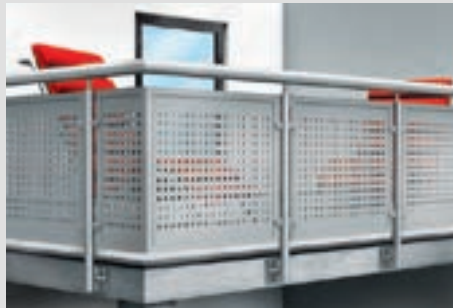
Heavy steel structures



Wood structures



Stairs



Railing fastening



Post support brackets

INJECTION-MORTAR-(WIT-PE510)-585ML
Art. no. 5918 615585



INJECTION-MORTAR-(WIT-PE1000)-585ML
Art. no. 5918 605585



Application gun
DUAL CARTRIDGE GUN FOR 585 ML 3:1

Art.No. 0891 003110

CHEMICAL INJECTION MORTAR PURE EPOXY WIT-PE 1000-585ML

Pure epoxy mortar with a long processing time, ideal for large anchoring depths and drilling holes as well as high temperatures. For bonded anchor, concrete and post-installed rebar connection with subsequent mortaring (REBAR)

- Two-component reactive resin mortar, pure epoxy
- Individual fixing point in cracked and uncracked concrete, seismic performance category C1 (M8 to M30) and C2 (M12 to M30): Anchor rod W-VI-A, anchor rod W-VD-A, standard threaded rod with acceptance test certificate 3.1, female thread anchor W-VI-IG
- Areas subject to the German Federal Water Act (Wasserhaushaltsgesetz - WHG): Würth WIT-PE 1000 injection system (bonded anchor), anchorage in coated concrete surfaces in SFH facilities
- Post-installed rebar connection
- Anchoring of threaded rods in natural stone (without approval/assessment)

**Post-installed rebar connection with subsequent mortaring
Anchoring of threaded rods in natural stone
(without approval/assessment)**

Details/Application

- Suitable for attaching metal structures, metal profiles, wooden structures, brackets etc.
- Suitable for structural expansions, ceiling and wall attachments, expansion of load-bearing structures, reinforcement of load-bearing structures, attachment of balconies and canopies, sealing of temporary openings and „forgotten“ reinforcement bars



Technical Data	
Chemical basis	Pure-Epoxy, styrene free
Colour	Grey
Min./max. processing temperature / conditions	0 to 40 °C / temperature in the anchorage ground during processing and hardening
Min./max. ambient temperature / Conditions	-40 to 72 °C / after completely curing process
Temperature resistance, long-term temperatures max.	24 °C
Temperature resistance, short-term temperatures max.	72 °C
Shelf life from production/conditions	24 Month / cool and dry storage area, 5°C to 25°C
Approval	ETA-19/0542 ETA-19/0543

585ML **Art.No. 5918 605585**

CHEMICAL INJECTION MORTAR (WIT-PE 510)

Standard pure epoxy mortar (long processing time, deep effective anchorage depths). For bonded anchor, concrete and post-installed rebar connection with subsequent mortaring (REBAR)

Two-component reactive resin mortar, pure epoxy, styrene-free

Fixing point, cracked and non-cracked concrete

M8 to M30:

Anchor rod W-VI-A, anchor rod W-VD-A, standard threaded rod with acceptance test certificate 3.1

Post-installed rebar connection with subsequent mortaring

Cartridge can continue to be used until the best before date, by changing the mixer nozzle or resealing it with the end cap

Anchoring of threaded rods in natural stone (without approval/assessment)

Details/Application

- Suitable for attaching metal structures, metal profiles, wooden structures, brackets, pipes, cable conduits, etc.
- Suitable for structural expansions, ceiling and wall outlets, expansion of load-bearing structures, reinforcement of load-bearing structures, attachment of balconies and canopies, sealing of temporary openings and "forgotten" reinforcing bars.



Technical Data	
Chemical basis	Pure-Epoxy, styrene free
Colour	Grey
Min./max. processing temperature / conditions	5 to 40 °C / temperature in the anchorage ground during processing and hardening
Min./max. ambient temperature / Conditions	-40 to 72 °C / after completely curing process
Temperature resistance, long-term temperatures max.	43 °C
Temperature resistance, short-term temperatures max.	70 °C
Shelf life from production/conditions	24 Month / cool and dry storage area, 5°C to 25°C
Approval	ETA-20/1037 ETA-20/1038

585ML **Art.No. 5918 615585**



The latest generation of heavy-duty composite mortars.

This hybrid composite mortar system, which was developed internally by Würth, makes highest loads possible even in very low anchorage depths. This expands application possibilities by filigree members and greatly reduces assembly time and material costs.

The concrete fastening solution for all kinds of applications.

WIT-UH 300 is perfectly suited for fixing heavy loads in cracked and non-cracked concrete. The new all-round anchor is the ideal solution for post-installed rebar connections.

Variable anchoring depths.

Can be flexibly adjusted to your individual assembly situation.

High performance even at highest temperatures.

ALL-ROUNDER MORT WIT-VM 250
Art. no. 0903 450205

ANC-MORT-(WIT-UH300)-CART-420ML
Art. no. 5918 500420



Application gun
DUAL CARTRIDGE GUN
380ML/420ML

Art.No. 0891 003003

ALL-ROUNDER INJECTABLE MORTAR WIT-VM 250

The all-rounder for concrete, masonry and postinstalled rebar connections

Two-component reactive resin mortar, styrenefree vinyl ester

Individual fixing point, cracked and uncracked

concrete, seismic performance category C1

W-VI-A anchor rod, W-VD-A anchor rod, standard threaded

rod with acceptance test certificate 3.1

Masonry individual fixing point (system with WIT-SH perforated sleeve):

WIT-SH perforated sleeve, WIT-AS anchor rod, WIT-IG internally threaded sleeve

Individual fixing point for masonry (system with

SH perforated sleeve):

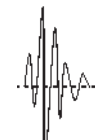
SH perforated sleeve, W-VI-A anchor rod, standard

threaded rod with acceptance certificate 3.1

Post-installed rebar connection

Details/Application

- Anchoring in cracked and uncracked concrete, masonry consisting of solid and perforated brick, aerated concrete and for post-installed rein forcement rods.
- Suitable for attaching metal structures, metal profiles, wooden structures, brackets, grids, pipes, cable conduits etc.



Technical Data	
Chemical basis	Vinylester, styrene free
Colour	Grey
Min./max. processing temperature /conditions	-10 to 40 °C / temperature in the anchorage ground during processing and hardening
Min./max. ambient temper-ature / Conditions	-40 to 120 °C / after completely curing process
Temperature resistance, long-term temperatures max.	72 °C
Temperature resistance, short-term temperatures max.	120 °C
Shelf life from production/conditions	18 Month / cool and dry storage area, 5°C to 25°C
Approval	ETA-12/0164 ETA-13/1040 ETA-12/0166 ETA-16/0757 ETA-20/0854



Awnings



French balconies



Brackets



Steel supports

420ML **Art.No. 0903 450205**

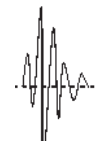
CHEMICAL INJECTION MORTAR CONCRETE MULTI (WIT-UH 300)-420ML

High-performance mortar for concrete and post-installed rebar connections

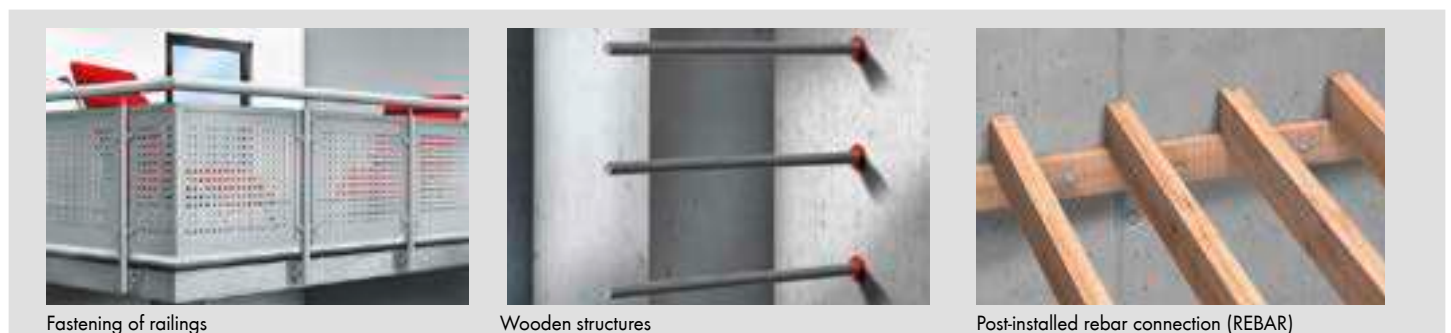
- Two-component reactive resin mortar, urethane vinyl ester hybrid mortar, styrene-free
- Individual fixing point in cracked and uncracked concrete, seismic performance category C1 (M8 to M30) and C2 (M12 to M24): Anchor rod W-VI-A, anchor rod W-VD-A, standard threaded rod with acceptance test certificate 3.1, female thread anchor W-VI-IG
- Areas subject to the German Federal Water Act (Wasserhaushaltsgesetz - WHG): Würth injection system WIT-UH 300 (bonded anchor) for use in uncoated LI/LIP concrete surfaces in SFH facilities
- Post-installed rebar connection

Details/Application

- Suitable for fastening metal structures, metal profiles, wooden structures, brackets, pipes, cable conduits etc.
- Suitable for structural expansions, ceiling and wall outlets, expansion of load-bearing structures, reinforcement of load-bearing structures, attachment of balconies and canopies, sealing of temporary openings and „forgotten“ reinforcing bars
- Fastening system for use in collection trays, collection facilities and surfaces made from uncoated LI and LIP concrete in systems for storing, filling and handling substances that are hazardous to water



Technical Data	
Chemical basis	Two-component resin
Colour	Grey
Min./max. processing temperature /conditions	-5 to 40 °C / temperature in the anchorage ground during processing and hardening
Min./max. ambient temperature / Conditions	-40 to 160 °C / after completely curing process
Temperature resistance, long-term temperatures max.	100 °C
Temperature resistance, short-term temperatures max.	160 °C
Shelf life from production/conditions	18 Month / cool and dry storage area, 5°C to 25°C
Approval	ETA-17/0036 ETA-17/0127



Fastening of railings

Wooden structures

Post-installed rebar connection (REBAR)

CHEMICAL INJECTION MORTAR BASIC WIT-PM 200

Base mortar for masonry and uncracked concrete
Two-part reactive resin mortar, styrene-free polyester

Individual fixing point in uncracked concrete:

Anchor rod W-VI-A, anchor rod W-VD-A, standard threaded rod with acceptance test certificate 3.1

Individual fixing point in masonry (system with perforated sleeve SH):

Anchor rod W-VI-A, standard threaded rod with acceptance test certificate 3.1, perforated sleeve SH

Details/Application

- Attachment in uncracked concrete, solid and perforated brick masonry, aerated concrete
- Suitable for attaching wooden structures, metal structures, metal profiles, brackets, grilles, sanitary ware, pipes, cable conduits, etc.



Technical Data	
Chemical basis	Polyester, styrene free
Colour	Grey
Min./max. processing temperature /conditions	-5 to 35 °C / temperature in the anchorage ground during processing and hardening
Min./max. ambient temperature / Conditions	-40 to 80 °C / after completely curing
Temperature resistance, long-term temperatures max.	50 °C
Temperature resistance, short-term temperatures max.	80 °C
Shelf life from production/conditions	12 Month / cool and dry storage area, 5°C to 25°C
Approval	ETA-12/0569 ETA-13/0037



Application gun
MANUAL CARTRIDGE GUN-310ML

Art. no. 0891 318



Stairs



Wooden structures



Wall units

300ML **Art.No. 5918 242300**

TOTAL RANGE

MANUAL CARTRIDGE GUN-310ML

Sturdy design, semi-open, made of sheet steel with feeding mechanism.

- Immediate power transmission to the push rod possible
- Great value for money

Application area

For applications with 310 ml cartridges



310ml **Art.No. 0891 318**

DUAL CARTRIDGE GUN FOR 585 ML 3:1

High-quality design, made of sheet steel.

- Easy to use and quick feed
- With quick-release device
- Excellent force transmission, thus easier applicat



585ml **Art.No. 0891 003110**

DUAL CARTRIDGE GUN

For injection mortar WIT 10:1 BLACK-380/420ML

Application area

For pressing out WIT cartridges (380 ml, 420 ml)
and silicone cartridges



380/420ML **Art.No. 08910 03003**

THREADED ROD-DIN976

THREADED ROD DIN 976-1 (SHAPE A) WITH STANDARD METRIC ISO THREAD, ZINC-PLATED STEEL 4.8, BLUE PASSIVATED (A2K)

Technical Data	
Standards	DIN 976-1
Material	Steel
Surface	Zinc plated
Form	A
Thread type	Metric thread
RoHS-compliant	Yes



Thread type x nominal diameter (d1)	Length (l1)	Art. no.	Property class
M6	3000 mm	0958 006	4.8
M8	3000 mm	0958 008	4.8
M10	3000 mm	0958 0010	4.8
M12	3000 mm	0958 0012	4.8
M10	3000 mm	0959 00310	8.8
M12	3000 mm	0959 00312	8.8
M16	3000 mm	0959 00316	8.8
M20	3000 mm	0959 00320	8.8
M24	3000 mm	0959 00324	8.8
M6	3000 mm	0959 0036	8.8
M8	3000 mm	0959 0038	8.8



POWER TOOLS

TRIPPLE-PACK-M-CUBE

Consisting of three power tools including a bag.

All units have continuous motor monitoring and a long service life:

- The electronic motor protection function switches the motor off ahead of time in the event of blockage, overloading or overheating.
- Efficient, low-maintenance, brushless EC motor with power reserves, maintains a more stable speed curve even under load.

1 x MachineBag

1 x CordlessDrill Driver ABS 18 COMPACT M-CUBE®

1 x CordlessHammer Drill ABH 18 COMPACT M-CUBE®

1 x CordlessAngle GrinderAWS 18-115 P COMPACT M-CUBE®E®

3 x BatteryLI-ION 18V/5 Ah BASIC M-CUBE®

1 x ChargerALG 18/6 FAST

Note: Batteries & chargers are Accessories, not included in the warranty..



M-CUBE
BATTERY-SYSTEM

Technical Data	
Number of pieces in assortment/set	8 PCS
Length x width x height	600 x 400 x 400 mm
Charging voltage	230 V/AC

Art.No. 5701 440025

TOTAL RANGE

DRILL DRIVER ABS 18 COMPACT

Maximum service life and low wear due to 13 mm Röhm metal chuck with soldered carbide clamping jaws.

Technical Data	
Nominal voltage	18 V/DC
Idle speed 1st/2nd gear min./max.	0-600/0-1900 rpm
Max. torque hard/soft	50 / 25 Nm
Min./max. drill chuck span width	1.5-13 mm
Drill chuck holder	1/2 inch x 20 UNF
Max. drilling diameter in steel	10 mm
Max. recommended drilling diameter in metal	10 mm
Max. screw diameter	8 mm
Min./max. drill chuck span width	1.5-13 mm



CORDLESS HAMMER DRILL ABH 18 COMPACT

Comfortable, low-fatigue working due to the compact and ergonomic design with anti-vibration handle.

Technical Data	
Nominal voltage	18 V/DC
Min./max. idle speed	0-1400 1/min
Min./max. impact rate	0-5500 1/min
Impact energy	2.4 J
Tool holding device	Quick-change holder
Min./max. recommended drilling diameter in concrete	6-18 mm
Max. drilling diameter in concrete	26 mm
Max. drilling diameter in steel	13 mm



CORDLESS ANGLE GRINDER AWS 18-115 P COMPACT M-CUBE

Safe working thanks to the dead man's switch and the brake function that stops the disc quickly when the switch is released.

Technical Data	
Nominal voltage	18 V/DC
Thread type x spindle-thread diameter	M14
Max. idle speed	11000 rpm
Max. cutting disc diameter.	115 mm
Weight of machine without rechargeable battery	1.98 kg



CHARGER ALG 18 V M-CUBE

Technical Data	
Input voltage	230 V/AC
Min./max. output voltage	18-18 V/DC
Min./max. frequency	50 / 60 Hz
Max. charging current	6 A



3 X BATTERIES LI-ION 18V/5 AH BASIC

PNEUMATIC IMPACT WRENCH DSS 1/2 INCH BASIC

Reliable high-quality impact wrench in robust, fibreglass-reinforced plastic housing, with above-average performance and enhanced equipment features

- Excellent power-to-weight ratio
- Up to 1,350 Nm max. breakaway torque at a weight of 2.0 kg
- Reliable maximum performance values
- High-quality double impact mechanism and cylinder with balanced 7-vane motor
- 4-step power setting with convenient one-hand reversing ensures optimum, user-friendly adjustment for the relevant application
- Good handling with non-slip handle for optimum control
- Highly ergonomic soft handle with sensitive trigger and integrated silencer

Notice

- Recommended maximum bolt size: M16
- Impact wrenches are not torque wrenches. Connections requiring a specific torque must be checked using a torque measuring device after tightening with the impact wrench.
- When the impact wrench is used regularly (e.g., for tyre maintenance), a little oil should be added daily via the air inlet, and approximately 2 strokes of gear grease should be added monthly via the grease nipple.
- Plug-in nipple not included in the scope of delivery



Technical Data	
Type description	DSS 1/2" BASIC
Tool holding device	1/2-inch external square
Max. working torque	850 Nm
Max. releasing torque	1350 Nm
Sound-pressure level	93.8 dB
Vibration	11.65 m/s ²
Operating pressure	6.3 bar
Weight of machine	2 kg
Max. releasing torque	9 mm
Air consumption	198 l/min
Connection thread	NPT 1/4 inch
Length x width x height	175 x 70 x 200 mm

Art.No. 5714 3100

PNEUMATIC IMPACT SCREWDRIVER DSS 3/4 INCH PREMIUM P

High-quality impact screwdriver in robust, fibreglass-reinforced plastic housing, with above-average performance and enhanced equipment features. Recommended maximum bolt size: M32

Excellent power-to-weight ratio

Up to 1,680 Nm max. breakaway torque at a weight of 3.18 kg

Reliable maximum power levels and a long service life

High-quality double impact mechanism and cylinder with balanced 6-vane motor

Optimum and user-friendly adjustment to any application, at any time

4-stage clockwise power setting with convenient one-hand reversing

Good handling and optimum control

Extremely ergonomic soft grip with sensitive trigger

Notice:

- Impact screwdrivers are not torque screwdrivers. Connections requiring a specific torque must be checked by means of a torque measuring device after tightening with the impact screwdriver.
- When the impact screwdriver is used regularly (e.g. for tyre maintenance), a little oil should be added daily via the air inlet, and approximately 2 strokes of gear grease should be added monthly via the grease nipple.
- Plug-in nipple not included in the scope of delivery



Technical Data	
Type description	DSS 3/4 inch Premium P
Tool holding device	3/4-inch external square
Max. working torque	1550 Nm
Max. releasing torque	1680 Nm
Sound-pressure level	88.2 dB
Vibration	17.49 m/s ²
Operating pressure	6.3 bar
Weight of machine	3.18 kg
Max. releasing torque	11 mm
Air consumption	165 l/min
Connection thread	G 3/8 inch
Length x width x height	222 x 85 x 206 mm

Art.No. 5714 3510

TOTAL RANGE

SERIES 2000 STEEL PNEUMATIC FITTINGS



Series 2000 Quick-Action Coupling with Hose Connection for Würth PVC and Painting Hoses

Hose dia. Inside in mm	Outside in mm	Length in mm	Dia. in mm	Flow rate in l/min.	Art. No.	P. Qty.
6.0	11.0 - 12.0	67	23	2,100	0699 100 106	3
9.0	14.5 - 16.0	70	23	2,100	0699 100 108	3
13.0	19.0	68	23	2,100	0699 100 113	3



Series 2000 Plug-In Nipple with Hose Connection for Würth PVC and Painting Hoses

Hose dia. Inside in mm	Outside in mm	Length in mm	Flow rate in l/min.	Art. No.	P. Qty.
6.0	11.0/12.0	42	2,100	0699 100 406	3
9.0	14.5/16.0	45	2,100	0699 100 408	3
13.0	19.0	45	2,100	0699 100 413	3



Series 2000 Quick-Action Coupling with Comfort Connection for Würth PU Hoses

Hose dia. Inside in mm	Outside in mm	Length in mm	Dia. in mm	Flow rate in l/min.	Art. No.	P. Qty.
6.5	10.0	64	23	2,100	0699 100 765	3
8.0	12.0	68	23	2,100	0699 100 780	3
11.0	16.0	68	23	2,100	0699 100 711	3



Series 2000 Plug-In Nipple with Comfort Connection for Würth PU Hoses

Hose dia. Inside in mm	Outside in mm	Length in mm	Flow rate in l/min.	Art. No.	P. Qty.
6.5	10.0	44	2,100	0699 100 865	3
8.0	12.0	47	2,100	0699 100 880	3
11.0	16.0	56	2,100	0699 100 811	3



Series 2000 Push-In Tip with Comfort Connection for Würth PU Hoses, Male Thread

Connections Male thread R	Hose in mm	Length in mm	Wrench size in mm	Flow rate in l/min.	Art. No.	P. Qty.
1/4"	8.0 x 12.0	41	19	2,100	0699 100 980	1
1/4"	9.5 x 13.5	43	21	2,100	0699 100 995	1
1/2"	11.0 x 16.0	51	24	3,500	0699 356 007	3



Series 2000 Push-In Tip, Rotating, with Comfort Connection for Würth PU Hoses, Male Thread

Connections Male thread R	Hose in mm	Length in mm	Flow rate in l/min.	Art. No.	P. Qty.
1/4"	6.5 x 10.0	44	1,500	0699 100 914	3
3/8"	8.0 x 12.0	46	2,100	0699 100 938	3
1/2"	11.0 x 16.0	51	3,500	0699 100 912	3

Hose connection for Würth PVC and painting hoses



Slide the 1-ear clamp over the hose.



Then slide hose up over grommet as far as possible while twisting back and forth slightly.



Tighten 1-ear clamp.

Comfort connection for Würth PU hoses



Screw off locking bush and slide over hose.



Then slide hose up over grommet as far as possible while twisting back and forth slightly.



Then screw on the locking bush as far as possible.

HOT AIR BLOWER HLG 2300-E POWER

Handy, lightweight device with continuous temperature and air flow regulation. Additional LCD display with memory function

Frequently used settings can be saved using the LCD display

- The temperature is set in 5°C steps and the air flow is adjusted in 5 stages, thus allowing simple temperature and air flow control
- Long motor service life of up to 1000 hours
- Rugged ceramic heater with low impact sensitivity
- Thanks to the lightweight, ergonomic design, even longer work can be carried out with little fatigue

Application area

Soldering and welding, plastic welding, gluing, removing paints, heating and forming plastic; welding bitumen; strong bead welding, sealing holes with welding additive, removing labels, keder welding, overlapping welding, removing adhesive, lens tinting (cleaning, drying, applying film), heat-shrink tubing, heat-shrink fabric, film wrapping



Technical Data	
Nominal voltage	230 V/AC
Frequency	50-60 Hz
Power input	2300 W
Min./max. blower temperature	80 to 650 °C
Min./max. air current	200-550 l/min
Weight of machine	750 g
Cable length	5 m
Cable type	H05RN-F2x1.0 mm ²
Length x width x height	250 x 75 x 195 mm

Art.No. 5707 2521

TOTAL RANGE

ELECTRIC ROTARY HAMMER DRILL ERHD 28-MLS

Light hammer drill with outstanding impact strength of 3,2J for light drilling, hammering and chiselling in construction.

Multi purpose

- Normal drilling without impact and hammering drill mode.
- Machine runs both clockwise and counter clockwise.

Compact

Ergonomic shaped and lightweight machine for sustained working without fatigue for the operator.



Technical Data	
Voltage /Hz	220-240 V 50/60 Hz
Nominal speed	1.250 rpm
Protection class	Protection class II/protective insulation
Power input	800 W
Drill chuck	SDS - Plus
Impact strength	3.2J
Min./max. impact rate	1-4000 rpm
Weight of machine	2.9 kg
Cable length	2 m

Art.No. 5717 002031

MITER SAW MMS 2300

Metal miter saw for cutting steel, plastic, aluminum, copper, cast metal, and stainless steel. With carrying handle – lightweight and can be used anywhere.

High safety standard:

- Safety switch which prevents machine from being accidentally switched on
- Safety cover prevents the users from being injured

Ergonomic structure with a 'D' type handle and a body base

For extra user safety

Spindle lock

For quick wheel changes

Adjustable fence

Adjusts for bevel cuts ranging from 0-45°

Locking vise with quick release

Holds the material stable for fast and

Carrying handle

For mobile use, e.g. at construction sites.

Hold down stopper

- Secures the tool
- For easy transport



Technical Data	
Voltage /Hz	220-240 V 50/60 Hz
No load speed	235-500 rpm
Protection class	Protection class II/protective insulation
Power input	2300 W
Max. saw-blade diameter	355 mm
Suitable for bore diameter	25.4 mm
Max. mitre angle	45 Degree
Cable length	2.5 m
Max. idle speed	3800 rpm
Weight of machine	16.3 kg
Length x Width x Height	450 mm x 255 mm x 415 mm

Art.No. 5717 013110

TOTAL RANGE



MATERIAL PROCESSING

HAMMER DRILL BIT PLUS



Properties:

Drilling speed:	●●●●
Smooth running:	●●○○
Precision:	●●○○
Reinforcement resistance:**	●○○○
Service life:	●●○○

Dia. (in mm)	Total length (in mm)	Working length (in mm)	Art. No.	Description
6	160	100	0648 796 016	DRL-HAM-PLUS-QUAD-D6,0-L160-WL100MM
6	210	150	0648 796 021	DRL-HAM-PLUS-QUAD-D6,0-L210-WL150MM
8	110	50	0648 798 011	DRL-HAM-PLUS-QUAD-D8,0-L110-WL50MM
8	160	100	0648 798 016	DRL-HAM-PLUS-QUAD-D8,0-L160-WL100MM
8	210	150	0648 798 021	DRL-HAM-PLUS-QUAD-D8,0-L210-WL150MM
8	260	200	0648 798 026	DRL-HAM-PLUS-QUAD-D8,0-L260-WL200MM
10	110	50	0648 791 011	DRL-HAM-PLUS-QUAD-D10,0-L110-WL50MM
10	160	100	0648 791 016	DRL-HAM-PLUS-QUAD-D10,0-L160-WL100MM
10	210	150	0648 791 021	DRL-HAM-PLUS-QUAD-D10,0-L210-WL150MM
12	160	100	0648 791 216	DRL-HAM-PLUS-QUAD-D12,0-L160-WL100MM
12	210	150	0648 791 221	DRL-HAM-PLUS-QUAD-D12,0-L210-WL150MM
12	260	200	0648 791 226	DRL-HAM-PLUS-QUAD-D12,0-L260-WL200MM
14	160	100	0648 791 416	DRL-HAM-PLUS-QUAD-D14,0-L160-WL100MM
14	210	150	0648 791 421	DRL-HAM-PLUS-QUAD-D14,0-L210-WL150MM
16	160	100	0648 791 616	DRL-HAM-PLUS-QUAD-D16,0-L160-WL100MM
16	210	150	0648 791 621	DRL-HAM-PLUS-QUAD-D16,0-L210-WL150MM

CUTTING DISC STEEL-BLUE

Steel Cutting

- Synthetic resin-bonded, fibrous material-reinforced standard cutting disc
- For free-hand cutting with electric or pneumatic angle grinders
- High break resistance



Diameter	Drill hole	Max. rotation speed	Max. circumferential speed	Segment thickness	Design	Art.No.
115 mm	22.23 mm	12250 rpm	80 m/s	1 mm	Straight	0669 701150
115 mm	22.23 mm	13300 rpm	80 m/s	3 mm	Cranked	0669 701153
180 mm	22.23 mm	8500 rpm	80 m/s	3 mm	Cranked	0669 701830
180 mm	25.23 mm	8500 rpm	80 m/s	1.9 mm	Straight	0669 701819
230 mm	22.23 mm	6600 rpm	80 m/s	3 mm	Straight	0669 202303
355 mm	25.40 mm	4400 rpm	80 m/s	3 mm	Straight	0669 203530

CUTTING DISC SS - GREEN-115X1X22.2 MM 4.5IN

Stainless Steel Cutting

- Extreme cutting capacity (very short cutting times) with very long service life
- Extremely thin for precise, virtually burr and chatter-free cuts
- Low cutting waste and dust formation
- Low noise development and high break resistance



Art.no. 0669 731150

GRINDING DISC FOR STEEL

Steel Cutting

- Synthetic resin-bonded, fibre-reinforced standard rough grinding disc with very good performance values.
- High breakage resistance
- Wheel with medium hardness

Application area

General structural steels, high-strength structural steels, constructional steels, tool steels, hardened steels, grinding edges, welding seams and surfaces

Notice

- Storage: Dry, at 20°C room temperature
- Work only with appropriate protective clothing
- Work only with undamaged discs
- Ensure correct contact pressure

Complies with the highest safety requirements of European Standard EN 12413.



Diameter	Drill hole	Max. rotation speed	Max. circumferential speed	Segment thickness	Design	Art.No.
115 mm	22.23 mm	13300 rpm	80 m/s	6 mm	Cranked	0669 761156
115 mm	22.23 mm	13300 rpm	80 m/s	6 mm	Cranked	0669 260116
180 mm	22.23 mm	8500 rpm	80 m/s	6 mm	Cranked	0669 761806
230 mm	22.23 mm	6650 rpm	80 m/s	6 mm	Cranked	0669 762306



DIAMOND CUTTING DISC CONSTRUCTION SITE

The robust diamond cutting disc with high performance value

- Optimum cutting capacity with long service life
- High break resistance
- Meets the maximum safety requirements in accordance with the EN 12413 European standard
- For use at construction site with changing materials



Diameter	Drill hole	Segment height	Segment thickness	Art.No.
115 mm	22.23 mm	8.5 mm	1.8 mm	0668 152115
180 mm	22.23 mm	8.5 mm	2.2 mm	0668 152180
230 mm	22.23 mm	8.5 mm	2.4 mm	0668 152230

DIAMOND CUP WHEEL RED LINE

Performance focused Diamond Cup Wheel for fast grinding for nearly all concrete and stone materials.

- Precision balanced for less vibration
- Good dust extraction thanks to large openings in the carrier
- Fast material removal thanks to double row segmented type
- Segment height: 5 mm
- Max. circumferential speed: 80 m/s



Diameter	Drill hole	Max. rotation speed	Art.No.
115 mm	22.23 mm	13300 rpm	0668 124115

FLAP DISC FOR STEEL & STAINLESS STEEL

Application

- Used to grind edges and surfaces, dressing and smoothing, deburring and for weld seam processing. For removing lacquers and paints, and for sharpening tools.

Advantage

- Perfect suited for application like Stainless steel sheets, non-alloyed special steels, alloyed and high-alloy steels, rust- and acid-proof steels, chrome-nickel steels
- For freehand grinding with electric or pneumatic angle grinders.
- Lamella flap disc for stainless steel

Benefit

- Long service life
- High rate of material removal
- Complies with the most demanding safety requirements



P40	Art.No. 0579 580314
P60	Art.No. 0579 580316
P80	Art.No. 0579 580318
P120	Art.No. 0579 5803 11

TOTAL RANGE

TWIST DRILL BIT HSS DIN 338 TYPE RN

Assembly drill for general, broad applications in steel up to 850 N/mm² strength and cast iron.

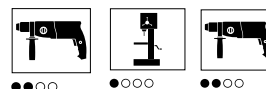


Quick drilling

- Web thinning ensure less friction during drilling and therefore less feed force needed
- The optimized point grinding with short designed working length enable quick drilling by using cordless and wired drill at construction site and in assembly

Self-centering

The crosswise grinding ensures an excellent centering effect even on domed surfaces, eliminating the need for centerpunching or piloting

Notice

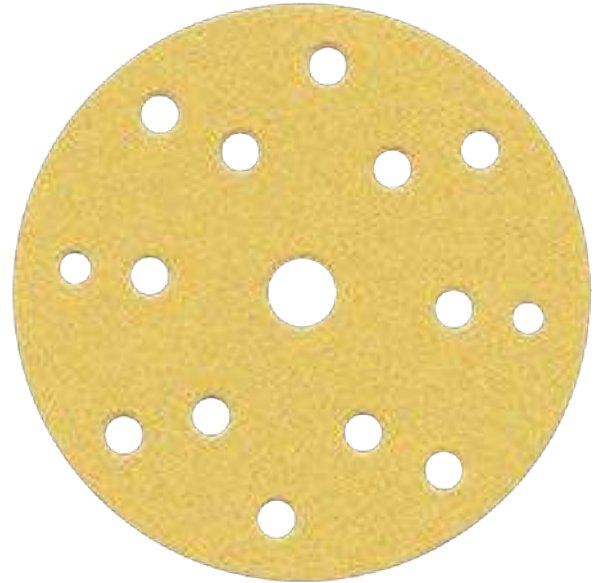
Drill bits from 13.0 mm will have a reduced shank of 12.7 mm.

Dia. (in mm)	Total length (in mm)	Working length (in mm)	Art. No.
3.5	70	39	0617000350
4.0	75	43	0617000400
4.5	80	47	0617000450
5.0	86	52	0617000500
5.5	93	57	0617000550
6.0	93	57	0617000600
7.0	109	69	0617000700
7.5	109	69	0617000750
8.0	117	75	0617000800
9.0	125	81	0617000900
9.5	125	81	0617000950

DRY ABRASIVE DISC 15 HOLES

High removal rate, long service life and highly flexible

- **Form:** Washer
- **Diameter:** 150 mm
- **Hole pattern:** 15-hole
- **Adhesive system:** Hook and loop



Grid size	Art. No.
G80	0577363008
G100	0577363010
G120	0577363012
G150	0577363015
G180	0577363018
G220	0577363022



SPOT WELD CUTTER

Efficient and fast

The milling depth can be adjusted via the adjustment screw

Rasp can be used on both sides

No fraying of the sheet metal

No deformation

Application area

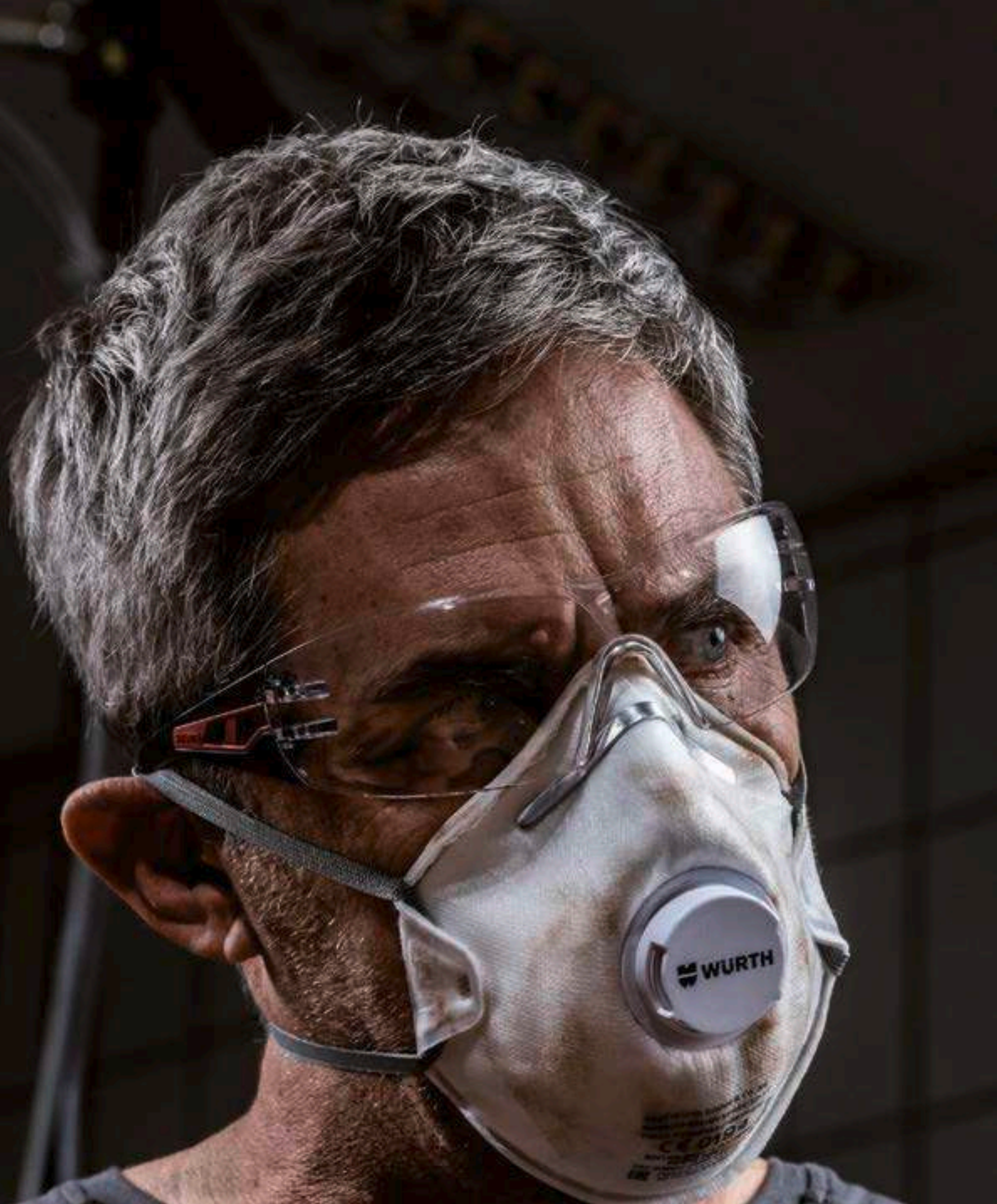
Body workshops, sheet metal working operations, apparatus construction

Type description: Spot weld cutter D10-L72MM

Art.no. 0698 1

Spare part: Spot weld replacement rasp D 10MM
Art.no. 069801





SAFETY

ENGINEER'S SAFETY HELMET-VENT- 6 POINTS-WHITE

Type II ABS helmet with special ribbed structure.

Features

- Material: ABS
- Light weight & comfortable
- Sweatband to absorb sweat
- Chin strap included
- Quick release ratchet to adjust the harness
- 6 point harness suspension
- Size: 52 - 62 cm.
- » Protects from impact of falling objects
- » Prevents skull from crash
- » Prevents from side impact



Color	Art. No.	P.Qty
White	1899 200235	1 / 50

Standards
EN 397:2000
ANSI Z89.1-2003

PROFESSIONAL'S SAFETY HELMET-VENT- 6 POINTS

Features

- Material: HDPE
- Aesthetic look with smooth finish
- Sweatband for long time use
- Chin strap included
- 4 point ventilation on each side for air circulation
- 6 Point adjustment, perfect load distribution
- Adjustable chin strap for customized fit and comfort
- Radiant heat resistivity higher than ABS helmets yet light weight
- Size: 53 - 60 cm.



Color	Art. No.	P.Qty
Yellow	1899 200170	1 / 50
White	1899 200171	1 / 50
Blue	1899 200172	1 / 50
Green	1899 200173	1 / 50
Red	1899 200174	1 / 50

Standards
EN 397:2000
ANSI Z89.1-2003



HARD HAT SH 2000-S

Comfortable hard hat with internal dial adjustment.

Features

- Material: PE - Polyethylene
- Neck protector extended downwards
- 30 mm pockets enable attachment of hearing protection
- protects against weld spatter
- 6 Point fabric lining and individually controlled ventilation openings on the front and back
- Size: 52 – 61 cm.

- » Protects against weld spatter
- » Suitable for very low temperatures down to -30°C



Standards
EN 397:2000
ANSI Z89.1-2003

Color	Art. No.	P.Qty
White	0899 200243	1
Yellow	0899 200244	1

ELECTRICIAN`S HELMET SH-E 2000-S

Features

- Material: PE - Polyethylene
- Helmet shell is completely closed
- Optimum, quick width adjustment
- 6 Point textile suspension harness
- Adapter system and side Euroslot adapters
- Covering can be washed at up to 30°C.
- Size: 51–61 cm

- » Protects against weld spatter
- » Suitable for very low temperatures down to -30°C



Standards
EN 397
EN 50365 (1000 VAC)

Color	Art. No.	P.Qty
White	0899 200236	1

BUM CAP

Sporty head protection with a modern baseball cap design for any applications where there is a danger of impact to the head.

Features

- Outer material: 100% cotton.
- Shell made of hard plastic
- Comfortable to wear thanks to foam padding of the shell and integrated ventilation holes.
- Application: -30°C to +50°C.
- Integrated sweatband.
- Covering can be washed at up to 30°C.
- Size: 54-59 cm, adjustable with Velcro closure.

- » Mechanics
- » Electricians and installers
- » Automotive industry;
- » Work on lifting platforms, on shelves and in warehouses
- » Interior design work and many other uses



Color	Art. No.	P.Qty
Dark blue	0899 200980	1
Black	0899 200981	1

Standards
EN 812:2012

SAFETY GOGGLES CEPHEUS®

Comfortable hard hat with internal dial adjustment.

Features

Lightweight, well-fitting safety glasses.

- Unrestricted side view
- Highly impact-resistant polycarbonate lens
- Scratch-resistant coating on both sides
- Standards EN 166:2001

- » Sport slip-in bracket for pressure-free fit
- » 100 % UV protection up to 400 nm
- » Scratch proof through hard coating.



Color	Art. No.	P.Qty
Clear	0899 102250	1
Yellow	0899 102251	1
Grey	0899 102252	1

Standards
EN 397:2000
ANSI Z89.1-2003

SAFETY GOGGLES

Features

Incredibly light, resilient & durable protective eyewear for all day wear
Economically priced to fit any budget
Snug-fitting wrap around lens provides perfect impact protection around the eyes
Close-fitting unitary front with dual 9.75 base curvature offers wide and unobstructed vision
Fashionable design resembles sunglasses, suitable for both men and women
Scratch-resistant, hard-coated 100% polycarbonate lens filter out more than 99.9% of harmful light

Material : Polycarbonate

Color	Art. No.	P.Qty
Clear	0899 103024	1
Dark	0899 102025	1



SAFETY GOGGLES SPICA®

Sporty eye protection with enhanced comfort.

Features

- Material: Polycarbonate
- Large field of vision
- Soft nose bridge for non-slip and comfortable fit
- Scratch-resistant lens surface
- Permanent anti-fog coating on inside
- Variable arm angle for individual adjustment
- » 100 % UV protection up to 400 nm
- » Standard EN 166



Color	Art. No.	P.Qty
Grey	0899 102331	1

AUTOMATIC WELDING HELMET SOLAR II 9-13

Ideal for all applications using a variety of welding processes

Features

Ideal for all applications using a variety of welding processes

2 modes of protection available, automatic and manual adjustment

Protects against weld spatter and heat and protects during overhead welding

Comfortable four-way adjustable headband (height, width, angle and longitudinal direction)

Padded anti-sweat headband

Details/Application

All electric welding methods: Electrode welding, MIG, MAG/CO₂, flux-core welding, TIG welding, plasma welding

Technical Data	
Cassette width x cassette height x cassette thickness	110 x 90 x 9 mm
Width of field of vision x height of field of vision	96 x 40 mm
Min./max. temperature conditions	-10 to 55 °C
Number of rechargeable batteries/batteries	1 PCS
UV and IR protection	Permanently ensured
Min./max. dark-to-light switching time	0.1-1 s
Min./max. protection level	9-13

Color	Art. No.	P.Qty	Spare part : Internal lens for Solar Art. No. 0984700202
Black	0984 700400	1	



FULL-VISION GOGGLES FS503

Sporty eye protection with enhanced comfort.

Features

- Elegant and timeless full-vision goggles with subdued colouring
- Perfect view with a perfect fit
- The panoramic lens guarantees excellent peripheral vision
- Suitable for every head size and comfortable to wear, thanks to the extra-wide adjustable headband
- Suitable for narrow and wide head shapes
- Scratch-resistant lens surface and permanent anti-fog coating on the inside
- The goggles have a high-quality coating
- Offer excellent air circulation as well as protection



Color	Art. No.	P.Qty
Black	0899 102489	1

SAFETY GOGGLES CASTOR

Sporty eye protection with enhanced comfort.

Features

- Material: Polycarbonate
- Adjustable head strap for a perfect fit
- Indirect ventilation system guarantees protection against drops and splashes inside
- Can be worn over prescription glasses and in combination with breathing masks
- Panoramic lens guarantees peripheral vision
 - » EN and AS/NZS certified
 - » UV protection up to 380 nm



Color	Art. No.	P.Qty
Black	0899 107016	1

COMFORT EARMUFF

The earmuffs are ideal for protection against noise arising from a wide range of applications in the workplace and leisure activity.

Features

Modern, attractive low-profile design and lightweight, unique low-profile headband design helps to maintain a constant pressure thus providing confidence in protection.

- Large space inside cup helps to reduce the moisture and heat build-up, and provides a comfortable pressure around the ears. New innovative foam ear cup insert and spacers to help improve attenuation.

» Metal processing

» Automotive

» Airports

» Construction

Standards

EN 352-1:2002
ANSI S3.19-1974

Art.No. 1899 300101

SNR: 32 dB, NRR: 26 dB



PU FOAM EAR PLUG CORDED ORANGE

To reduce harmful noise from any industry.

Features

- Soft disposable polyurethane foam earplugs providing extra comfort.
- Tapered shaped design to fit most ear canals.
- Made from soft hypo-allergenic material.
- The bright orange color permits high visibility and makes safety checks easier.

» Metal processing

» Automotive

» Airports

» Construction



Art. No.	P.Qty
1899 300002	100 pairs

Standards

EN 352-2:2002
ANSI S3.19-1974

PVC DOUBLE SIDE DOTTED GLOVE

Knitted double side dotted glove.

Features

- Seamless 7 gauge shell.
- Recycled Polyester / Cotton mix
- Elasticated Knit wrist with overlock
- Double side raised PVC dots for better grip
- Grey and black dots

- » General purpose
- » Light fabrication
- » Handling deliveries and cartons
- » Tiger claw finger tips for extra protector

Standards

Category II

Color	Art. No.	P.Qty
Universal	0899 4048000	12 / 144 pairs



INDUSTRIAL RUBBER GLOVESBLACKSIZE:L

Natural rubber liquid chemical resistant glove.

Features

- 100% Natural Latex.
 - Chlorinated for better grip and increased chemical resistance.
 - Tested in accordance with the European directive for PPE 89 /686 EEC
 - Size: 8, 9, 10
- » Handling of heavy duty products in oily and greasy environment.
- » Light chemical processing.
- » Refining of petroleum and petroleum related products.
- » Maintenance of plant and machinery.
- » General purpose cleaning and maintenance.

Standards

Category II

Size	Art. No.	P.Qty
8	1899 4208	12 pairs /10 doz
9	1899 4209	12 pairs /10 doz
10	1899 4210	12 pairs /10 doz



PROTECTIVE GLOVE CUT 4

For maximum flexibility and precise working.

Features

- PE lining, high density
- 13 Gauge
- PU coating on the palms of the hands
- Excellent grip and cut protection
- Mechanically resistant

Size	Art. No.
8	0899 407108
9	0899 407109
10	0899 407110



PROTECTIVE GLOVE RED, LATEX GRIP

Polyester knit lining with latex palm.

Features

- 13 Gauge
 - Crinkle finish for excellent grip
 - Open back design for breathability and comfort
- » Excellent abrasion and tear resistance
» General purpose handling



Size	Art. No.
8	0899 408208
9	0899 408209
10	0899 408210

GLOVE HOLDER WITH SNAP HOOKS

For easy fastening to work and protective clothing

Features

- Very secure hold due to serrated grips
- Easy to use
- Material: Polycarbonate - PC



P.Qty	Art. No.
1	0899 899023



DISPOSABLE NITRILE GLOVE

Lightweight gloves with breathable black PU Coating.

Features

- Gauge: 15
- Material of the liner: Polyester
- Material coating: Polyurethane



Size	Art. No.
S	0899 47018
M	0899 47019
L	0899 47020
XL	0899 47021

NITRILE GLOVE AQUASTOP

High-quality waterproof protective glove.

Features

- 3/4 double-dipped nitrile glove, double-dipped in two colours
- Waterproof, good mechanical strength and comfortable
- Tight fit for an excellent grip
- Material of the liner: Lycra®
- Material coating: Nitrile/ nitrile foam
- » Slippery and wet conditions
- » Food processing

Size	Art. No.
8	0899 401218
9	0899 401219
10	0899 401220



CHEMICALLY RESISTANT NITRILE GLOVE

Chemical protective glove nitrile.

Features

- Material of the liner: Cotton flock
- Material Thickness 0.38 mm
- Tolerance, material thickness (+/-): 0.03 mm
- Length: 330 mm
- » Handling of chemicals/ petrochemicals
- » Automotive industry
- » Food processing



Size	Art. No.
8	0899 414108
9	0899 414109
10	0899 414110

HEAT PROTECTION GLOVE H-110

Universal, flexible heat protection glove with nitrile coating with good sensitivity and comfort.

Features

- Material of the liner: Para-aramid synthetic fibre
- Material coating: Liquid-tight nitrile foam
- Short-term protection against contact heat up to 250°C
- » Plastics, metalworking, steel and glass industries
- » Work with hot and sharp-edged objects
- » Usable in slightly oily environments



Size	Art. No.
8	0899 407208
9	0899 407209
10	0899 407210

PROTECTIVE GLOVE, SPECIAL TYPE-PU-ECONOMY

For maximum flexibility and precise working.

Features

- PE lining, high density
- 13 Gauge
- PU coating on the palms of the hands
- Excellent grip and cut protection
- Mechanically resistant

Size	Art. No.
7	0899 400617
8	0899 400618
9	0899 400619
10	0899 400620
11	0899 400621



HEAT PROTECTION GLOVE H-120

Robust heat protection glove with very good cut protection properties.

Features

- Gauge: 7
- Material inside: 100% cotton
- Material coating: Aramid fibres
- Short-term protection against contact heat up to 350°C
- Can be worn on either hand

Size	Art. No.
10	0899 407310



WELDING GLOVE W-100

Robust welding glove for universal use.

Features

- Full-grain cowhide palms
- Split leather backs and cuffs
- Very rugged and hard-wearing
- Repellent to oil, grease and water

» For universal use during welding, deburing and general work

Size	Art. No.
10	5350 050010



VOLTAGE PROTECTIVE GLOVE

For working voltages up to 1000 V/AC.

Features

- Resistant to acid, oil, ozone and cold temperatures
- Category RC
- Length: 410 mm
- Material: Latex
- Material thickness: 1 mm
- » Installation, maintenance and repair work under live electric voltage
- » Electrical supply and installation companies
- » Electrical engineering workshops
- » Maintenance and repairs to electric and hybrid vehicles
- » Fire and rescue service personnel

Size	Art. No.
9	0899 400936
10	0899 400937
11	0899 400938



SAFETY VEST 120 GSM FABRIC 4 REFLECTIVE BAND - PREMIUM

EN 471 High visibility protection

Features

- Retro reflective high quality tape.
- Class 2, Level 2.
- 100% High visibility polyester.
- 120 gsm weight.
- Color: Yellow and orange.
- Velcro fastening.

- » Construction sites and general purpose work sites..
- » Airport terminal.
- » Law Enforcement.
- » Emergency response team / Accident sites.
- » School crossing guards.



Size	Art. No.
M- XXXL	1899 9105... 12-16

SAFETY VEST 110 GSM FABRIC 4 REFLECTIVE BAND - BASIC

EN 471 High visibility protection

Features

- Retro reflective quality tape.
- Class 2, Level 2.
- 100% High visibility polyester.
- 110 gsm weight.
- 3M reflective stripe
- Color: Yellow and orange.
- Velcro fastening.

- » Construction sites and general purpose work sites..
- » Airport terminal.
- » Law Enforcement.
- » Emergency response team / Accident sites.
- » School crossing guards.



Size	Color	Art. No.
S-XL	Orange	1899 91010.. 2-6
S-XL	Yellow	1899 91011.. 2-6

SET OF HARNESS EN 361 + DOUBLE CONNECTION LANYARD 1.8M EN 35

Full body harness

- Components made of high tensile steel alloy
- 3 anchorage points: 1 Rear and 2 Front
- High visibility colors of webbing

Application

- Prevents the hazard and provides protection against fall
- Arrests the fall preventing internal injuries

WEBBING MATERIAL: Polyester 44 +/-

WEBBING WIDTH: 44 +/- 1 mm

WEBBING BREAKING STRENGTH: 23 kN

STITCH THREADS MATERIAL: High tenacity virgin multifilament polyester

METAL COMPONENTS: High quality alloy steel, zinc plated, free from any sharp edges.

WEIGHT: 1250 grams

TEST COMPLIANCE - Static Strength

Tested at each attachment element with a force of 15 kN applied for 3 min.

TEST COMPLIANCE - Dynamic Strength

tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 mtr.



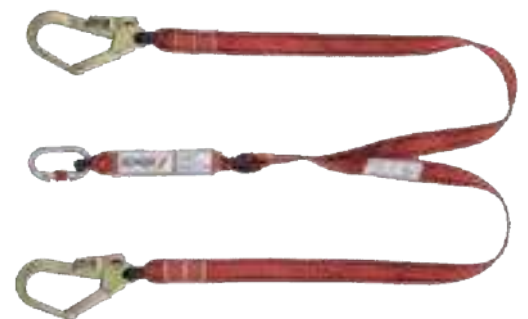
STANDARD : EN 361:2002, IS 3521:1999 CE

Double hook lanyard

- Ideal for work positioning or restraint
- Abrasion resistant polyester webbing
- User friendly self-locking snap hooks

Application

- Serves as anchorage connector
- Absorbs shock in-case of fall
- Connects with a self-locking carabiner
- With double scaffolding hook ensures one end protected while other end switches



ROPE MATERIAL 44m (+/- 1mm): Wide Polyester Webbing

STITCHING THREAD: High Tenacity Virgin Multi-filament Polyester

BREAKING STRENGTH: 23kN (Min)

LANYARD LENGTH: 1.8 m (Hook to Hook)

STANDARD : CERTIFIED TO EN 354:2010, EN 355:2002 CE

Art.No. 0899 032991

TOTAL RANGE

SAFETY SHOES PREMIUM S3

Weight tolerance: 5% g Height tolerance: +-0.5cm

- Upper: 1.6-1.8mm Sand Nubuck Cow Leather
- Collar and tongue: Sand Nylon Cordura 1680D
- Enhance: Acrylic cotton 1.5mm
- Insock: EVA with Black Polyester Mesh
- Eyeletmaterial: Metal Eyelet
- Vamp lining: 1.0MM White Polyester Non-Woven Fabric
- Quarterinside: Sand Polyester Sandwich Mesh 280g
- Insole: Polyester Non-Woven 1.8mm

Attributes:

- Impactresistance
- Slipresistance
- Oil resistance
- Anti-static
- Anti-nail midsole
- Shockabsorption
- Water Resistant



Size Correspondence										
EU	39	40	41	42	43	44	45	46	47	48
UK	6	6 ½	7	8	9	9 ½	10	11	X	X
US	7	7 ½	8	9	10	10 ½	11	12	X	X

Size	Art. No.
39-48	5357 0600...

SAFETY SHOES IMOLA S3 , LOW-CUT

S3P Safety shoe, low ankle, metal free

Features

- Breathable Black Nabku Leather
- Waterproof and Resistant to oils
- Composite Protective Cap
- Flexible and comfortable inner layer
- Anti-slip and Shock Absorber



Size Correspondence										
EU	39	40	41	42	43	44	45	46	47	48
UK	6	6 ½	7	8	9	9 ½	10	11	X	X
US	7	7 ½	8	9	10	10 ½	11	12	X	X

Size	Art. No.
39-48	0535 9298...

S3 SAFETY SHOE BASIC - LOW ANKLE

S3 Safety shoe, low ankle.

Features

- Material: Water Proof Printed Leather
- Breathable leather, padded tongue, Memory Foam InSole
- Steel protective toecaps and Steel anti-perforation protection
- Non-slip SRC PU outsole
- Comfort width 11 (wide fit)
- Approx. 669 g per shoe in size 42



Size	Art. No.
38-48	1899 8882...

Size Correspondence											
EU	38	39	40	41	42	43	44	45	46	47	48
UK	5	6	6 ½	7	8	9	9 ½	10	11	X	X
US	6	7	7 ½	8	9	10	10 ½	11	12	X	X

S3 SAFETY SHOE BASIC - HIGH ANKLE

S3 Safety shoe, high ankle Features

Features

- Water Proof Printed Leather
- Fabric inner lining
- Steel protective toecaps and steel anti-perforation protection
- Non-slip SRC PU outsole
- Comfort Width 11 (wide fit)
- Memory Foam InSole
- Approx. 669 g per shoe in size 42



Size	Art. No.
38-48	1899 8860...

Size Correspondence											
EU	38	39	40	41	42	43	44	45	46	47	48
UK	5	6	6 ½	7	8	9	9 ½	10	11	X	X
US	6	7	7 ½	8	9	10	10 ½	11	12	X	X

WALL BRACKET

Pressure pump with wall bracket for hand cleaner

Practical dispensing pump

- The pressure pump transports the hand cleaner as soon as the pump is pressed
- Single pump action dispenses a precise amount (6 cm³)

Total height: 40 cm

Product weight (per item)	659 g
Material	Plastic/metal
Included in delivery	1 x pressure pump, 1 x wall bracket with screws and anchors



Contents for art. no. 0891 901	
Designation	Art. No.
Wall bracket	0891 900 2
Dispensing pump For 4000 ml bucket of hand cleaner	0891 901 1



ELECTRICAL

CABLE BAND, PLASTIC TONGUE-PLATNG-BLACK

Reliable cable tie for quickly organizing and bundling cables and wires

Long, reliable service life

High industrial quality for a long, reliable service life for indoor and outdoor use, depending on the version

Internal tothing on the tie for a secure grip on bundled cables

Natural-colored versions are only suitable for indoor use,

black versions are also suitable for temporary outdoor use due to their UV and weather resistance.

A carbon additive in the black cable ties delays the effect of UV rays on the material

Resistant to bases, oils, greases and vehicle fuels

Easy to use ; Can be installed directly by hand, no additional assembly tools are required

Areas of Application

- Switch cabinets
- Installation
- Automotive
- Automobile workshops
- Industrial workshops
- Elevator construction



Width mm	Length mm	Description	Art. No.	Min./max. bundle diameter (mm)
2.5	100	Cable band, plastic tongue-NATURAL PLAS 2.5X100	0502 11	1.6-20
2.5	100	Cable band, plastic tongue-PLATNG-BLACK-2,5X100	0502 111	1.6-20
3.6	140	Cable band, plastic tongue-PLATNG-NATURE-3,6X140	0502 12	1.6-30
3.6	140	Cable band, plastic tongue-PLATNG-BLACK-3,6x140	0502 121	1.6-30
3.5	200	Cable band, plastic tongue-PLATNG-NATURE-3.5x200	0502 13	1.6-40
3.5	200	Cable band, plastic tongue-PLATNG-BLACK-3.5X200	0502 131	1.6-40
3.6	280	Cable band, plastic tongue-PLATNG-NATURE-3,6X280	0502 135	1.6-75
3.6	280	Cable band, plastic tongue-PLATNG-BLACK-3,6X280	0502 1351	1.6-75
4.8	178	Cable band, plastic tongue-PLATNG-NATURE-4.8x178	0502 14	1.6-40
4.8	178	Cable band, plastic tongue-PLATNG-BLACK-4.8X178	0502 141	1.6-40
4.8	280	Cable band, plastic tongue-PLATNG-NATURE-4,8X280	0502 15	1.6-75
4.8	280	Cable band, plastic tongue-PLATNG-BLACK-4.8X280	0502 151	1.6-75
4.8	360	Cable band, plastic tongue-PLATNG-NATURE-4,8X360	0502 16	1.6-100
4.8	360	Cable band, plastic tongue-PLATNG-BLACK-4.8 X360	0502 161	1.6-100
7.8	370	Cable band, plastic tongue-PLATNG-NATURE-7,8X370	0502 18	1.6-100
7.8	370	Cable band, plastic tongue-PLATNG-BLACK-7.8X370	0502 181	1.6-100



PVC Insulating tape, electric

Insulating tape, HIGH QUALITY, Adhesive tape, for electrical use

Excellent adhesiveness and elasticity even at low temperatures

- Safe thanks to tested properties
- Flame-retardant

Safe and easy to use

- Tear-proof and resistant to ageing
- High degree of flexibility and adhesive strength
- Excellent moulding to different shapes
- High level of dielectric strength and mechanical protection

Permanent material properties even at changing and low temperatures

Highly resistant to diluted acids and alkalis



Colour (Color)	Width	Length	Art. No.
Black	18 mm	10 m	0985 181001
Yellow	19 mm	5 m	0985 19052
Blue	19 mm	5 m	0985 19053
Red	19 mm	5 m	0985 19055

PTFE THREAD-SEALING TAPE

Resistant to all aggressive media

Does not stick or swell

Therefore prevents seizing of the thread

Alignment of the thread connection, which includes limited turn-back, is permissible

Notice

Since the temperature and pressure are dependent on one another, it is not possible to allow both to be pushed to maximum levels simultaneously. In addition, the specifications depend on the respective medium. Therefore, these specifications can only serve as a guideline due to the variety of application options (see also DVGW approval).



Technical Data	
Chemical basis	Polytetrafluoroethylene
Coating weight per m ²	350 g
Thickness	0.075 mm
Width	12 mm
Length	10 m
Min./max. temperature resistance	-180 to 270 °C
Max. pressure	16 MPa

POLYESTER CLOTH ADHESIVE TAPE

For bundling and bandaging cable harnesses, especially where high temperatures can occur (e.g. in the engine compartment)

- Abrasion and tear resistant
- PVC-compatible

Details/Application

For bundling and bandaging cable harnesses, especially where high temperatures can occur (e.g. in the engine compartment)



Technical Data		
Art.No.	0771 100119	0771 100219
Adhesive base	Acrylate	Synthetic natural rubber
Backing material	Polyester	Woven polyester fleece
Min. longitudinal resistance to tearing	200 N/cm	30 N/cm
Min./max. temperature resistance	-40 to 150 °C	-40 to 105 °C
Length	25 m	10 m
Width	19 mm	19 mm
Thickness	0.27 mm	0.50 mm
Colour	Black	Black
Elongation at break	20%	10%





TOOLS

GARAGE WORKSTATION


Designed for the rigorous demands of mechanic shops and industrial work areas, this versatile workbench is ideal for storing tools, consumables, and other essential items.

Constructed with robust materials, it ensures durability and stability even under heavy use.

Dimensions: 2000 x 2130 x 505 mm



Content	Qty
Handtools Assortments Cabinet 7 Drawers	1
Workshop Wall Cabinet	2
Workshop Base Cabinet	1
Workshop High Cabinet	1
Wood Workbench Top	1
Mesh Panel	2

Accessories	Art.No	Picture
Free standing frame	1961 977011	

Spare parts	Art.No
Set of lock and key for High Cabinet	1961 977103
Set of lock and key for Drawer Cabinet	1961 977104
Set of lock and key for Cabinet and Wall Cabinet	1961 977105
Bearing Slides for Drawers	1961 977106

Art.No. 1961 977001

TOTAL RANGE

TOOLS TROLLEY COMPLETE SET 224 PCS

Description:

- The drawers with ball bearing slides can full extension as load increase.
- Stainless steel worktop provide comfortable working space.
- Anti - shock protection on all four corners with plastic.
- Two caster with brake can fix up tool cabinet when you are working.
- Side mesh panels, can hanger tools on it when fix with hanger.
- Tow color casters provide durable quality and eye-catching presentation.
- Interlock system can guarantee only one drawer open at the same time

Dimensions:

Trolley Dimensions with handles and wheels : L: 730 mm x W: 480 mm D: 973mm

5X Small Drawer size: L: 533 mm x W: 391 mm x D:58 mm

1X Medium Drawer size: L: 533 mm x W: 391mm x D: 128 mm

1X Large Drawer size: L: 533 mm x W: 370 mm x D:195 mm

Contents:

116 Pcs 1/4"Dr. 3/8"Dr. 1/2"Dr. socket with accessories and ratchet handle

27PCS 1/4" Dr. Socket 4-14mm Deep Socket 6-14mm E-socket 4-8mm

10PCS 3/8" Dr. Socket 10-19mm

15PCS 1/2" Dr. Socket 10-32mm

30 Pcs Wrench Set

20 PCS Combination Wrench 6-32mm

10PCS Double Ring Combination Wrench 6-27mm

33 Pcs Hammer Tool Set

14PCS 1/2"Dr. Deep Socket 8-22MM

10PCS Hex Key Wrench 1.5-10mm

4PCS Chisel 3-6mm

2PCS Hammer (Installation Hammer 40MM Mechanical Hammer 500G)

3PCS Punch 24*195MM,16*180,18*180MM

36 Pcs Screwdriver Set

4PCS SL Screwdriver (SL1.2*6.0*38MM SL0.6*3.0*75MM SL1.0*5.5*100MM SL1.2*6.5*150MM)

4PCS PH Screwdriver(PH2*38MM PH1*100MM PH2*100MM PH3*150MM)

7PCS Torx Screwdriver T10-T40, 1PCS Bits Holder, 20PCS Bits

9 Pcs Pliers Set

4PCS Circlip Plier 7"

1PCS Combination Plier 8"

1PCS Diagonal Cutting Plier 7.5"

1PCS Long Nose Plier 8"

1PCS Water Pump Plier 10"

1PCS Grip Joint Plier 10"

224 PCS **Art.No. 1962 200014**



WORKSHOP TROLLEY WINT RANGE, ECO 8.8 EMPTY

Solid workshop trolley with practical details for mobile use in the workshop

Description:

- External dimensions: W 890 x D 528 x H 1050 mm
- Total loading capacity: 400 kg
- Powder coating, sand finish. Body in RAL3020, drawers in RAL7000

Design:

- 7-Drawer Ball-Bearing Mobile Tool Cabinet.
- full-extension drawers with automatic locking system and ball-bearing slides.
- 4PC 5" casters. 2 fixed and 2 casters (1 with brake).
- 5- Small Drawer: 678(W)*471(D)*75(H)mm
- 1- Medium Drawer. 678(W)*471(D)*115(H)mm
- 1- Large Drawer. 678(W)*471(D)*195(H)mm
- Tool trolley :(890*528*1050MM)
- Handle included
- 5" Caster Wheel with brake



Art.no.	1962 699240
P. Qty.	1
Type description	Quick-lock + Auto- Return
Number of drawers	7 PCS
Colour	Traffic red RAL 3020

Spare Parts	Art.No.
Lock and Key	1962 699641
Bearing Silde For Small Drawers	1962 699642
Bearing Silde For Medium and large Drawers	1962 699643
Wheels set 4 PCS	1962 699644

Art.No. 1962 699240

TOTAL RANGE

WORKSHOP TROLLEY BLACK AND WHITE 8.4 EMPTY

Features:

- 7-Drawer Ball-Bearing Mobile Tool Cabinet .
 - full-extension drawers with ball-bearing slides.
 - 4PC 5" casters.2 fixed and 2 casters(2 with brake).
 - 5PCS small Drawer.
 - 2PC Intermediate Drawer.
 - SPCC Material
 - Each drawer is securd against opening by itself and can be actuated with one-handed operation.
 - Full length bonded ABS protection on four comers.
 - Interlock system - only one drawer opening.
 - Inside drawer dimensions suitable for tool system tool assortments
 - Each drawer with logo , looks professional, eye catching and no logo missing.
 - Side mesh panels, worker can hanger tools on it when fix with hanger.
 - ABS Plastic Worktop for storage
- **Cabinet size:** 690*470*975mm(without handle)
 - **Overweight:** 500KGS
 - **Small Drawer:** 482*345*68m - Overweight:20KGS
 - **Medium Drawer:** 482*345*128mm - Overweight:30KGS
 - **Thickness for drawers:** 0.7mm



Art.no.	1962 699220
P. Qty.	1
Type description	7-Drawer Roller Cabinet
Number of drawers	7 PCS
Colour	Black and White

Slide Panel Prodection



Two Color Wheel



High strength worktop



Central lock system



Art.No. 1962 699220

SYSTEM ASSORTMENT 8.4.1, SOCKET WRENCH 1/4 + 1/2 INCH 108 PIECES

Compatible with all products of the ORSY system world

Uniform grid dimensions

Attractive carbon finish

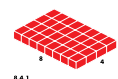
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

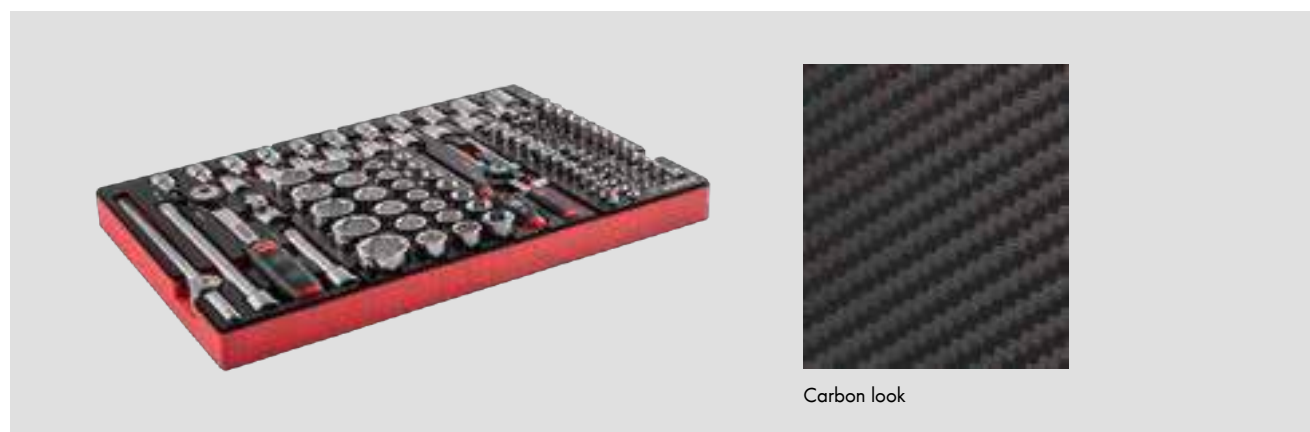
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



8.4.1



Technical Data	
Number of pieces in assortment/set	108 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



Carbon look

108 pieces

Art.No. 0965 905922

TOTAL RANGE

SYSTEM ASSORTMENT 8.4.1, SOCKET WRENCH 3/8 INCH 102 PCS

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

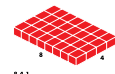
Tool sizes marked on insert.

Application

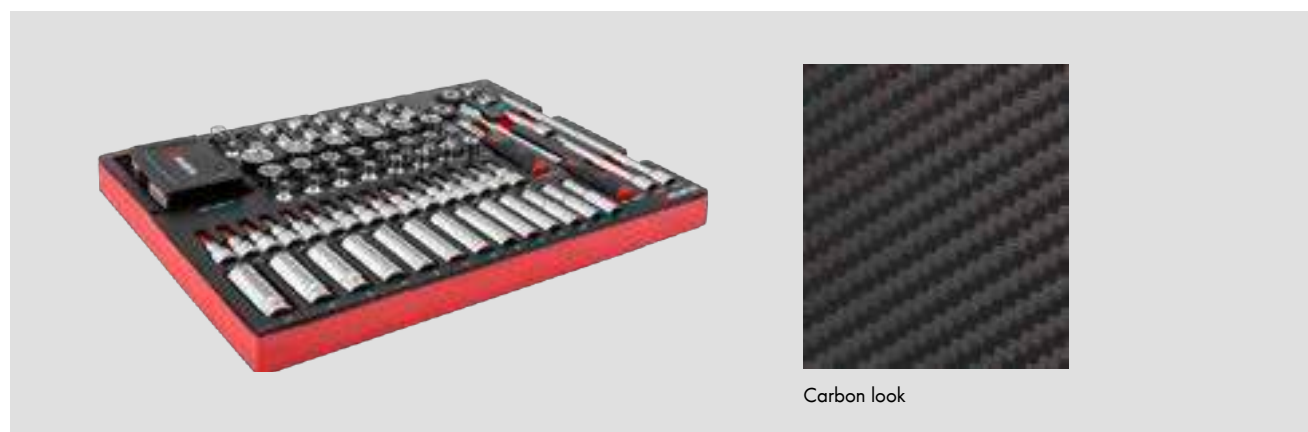
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	102 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



ORSY®



102 pieces

Art.No. 0965 905 921

SYSTEM ASSORTMENT 8.4.1, PLIERS 10 PIECES

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

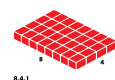
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for ORSY systems (e.g. system case, workshop trolley ORSY@BULL boxes, ORSY shelves)

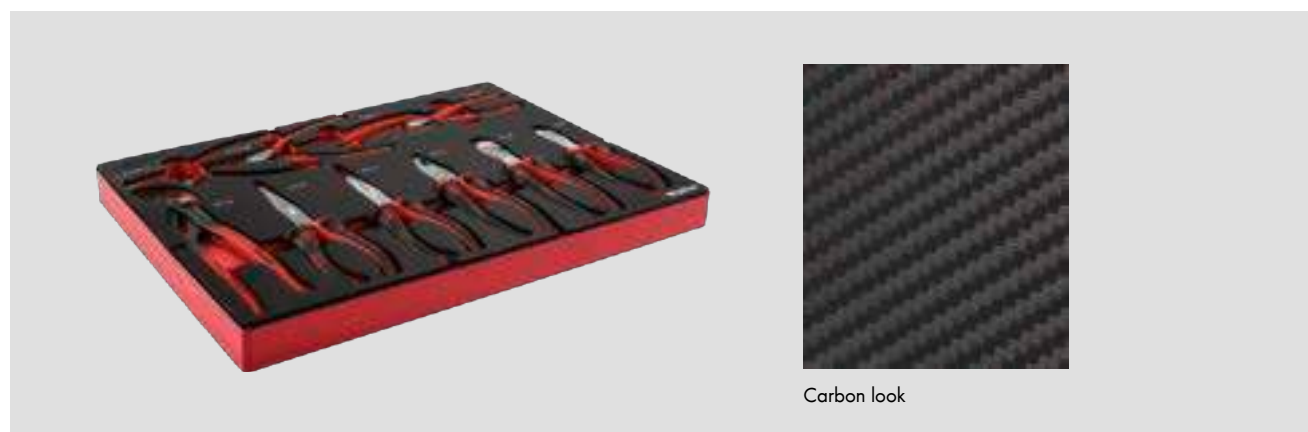


8.4.1

ORSY



Technical Data	
Number of pieces in assortment/set	10 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



Carbon look

10 pieces **Art.No. 0965 905 925**

TOTAL RANGE

SYSTEM ASSORTMENT 8.4.1, CIRCLIP PLIERS 25 PIECES

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

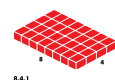
Application

Suitable for ORSY systems (e.g. system case, workshop trolley ORSY@BULL boxes, ORSY shelves)



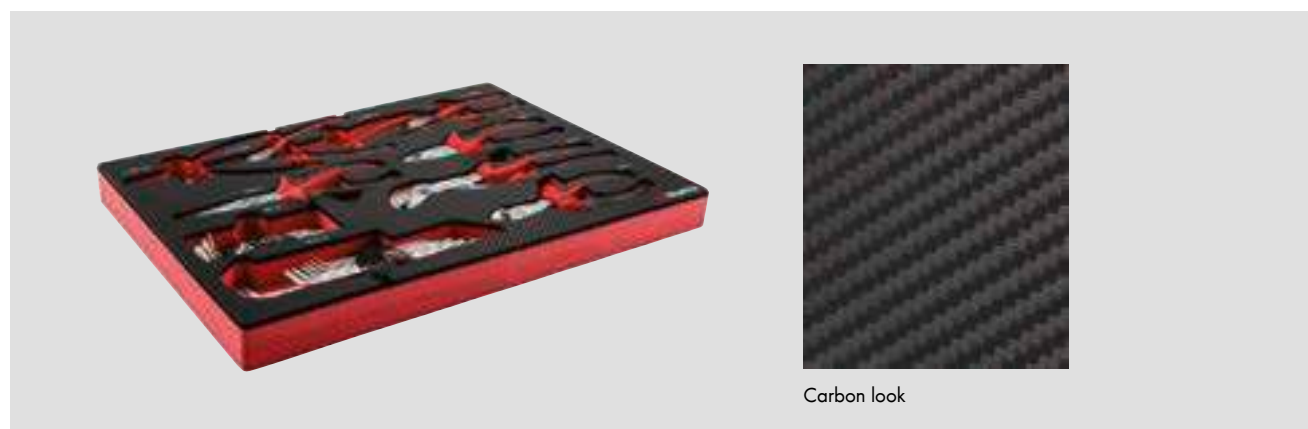
Technical Data

Number of pieces in assortment/set	25 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



8.4.1

ORSY



Carbon look

25 pieces **Art.No. 0965 905 917**

SYSTEM ASSORTMENT 8.4.1, SCREWDRIVER 21 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

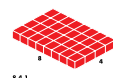
Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	21 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

21 pieces **Art.No. 0965 905916**

TOTAL RANGE

SYSTEM ASSORTMENT 8.4.1, SCREWDRIVER 18 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

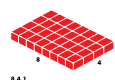
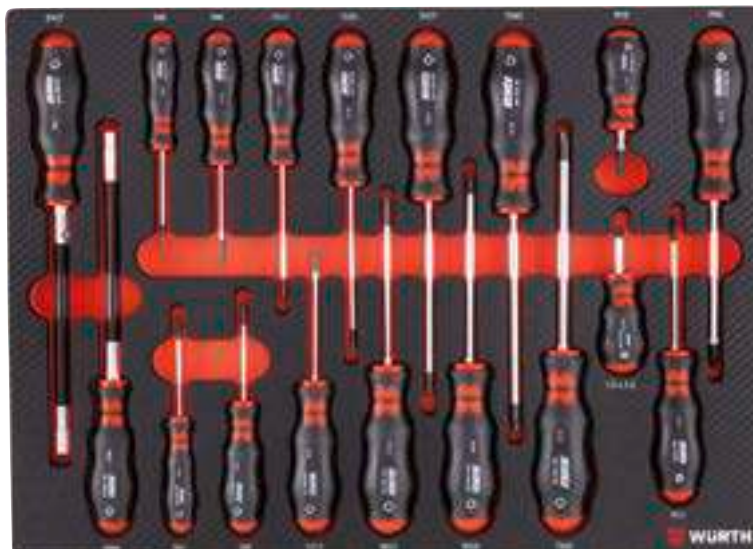
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).

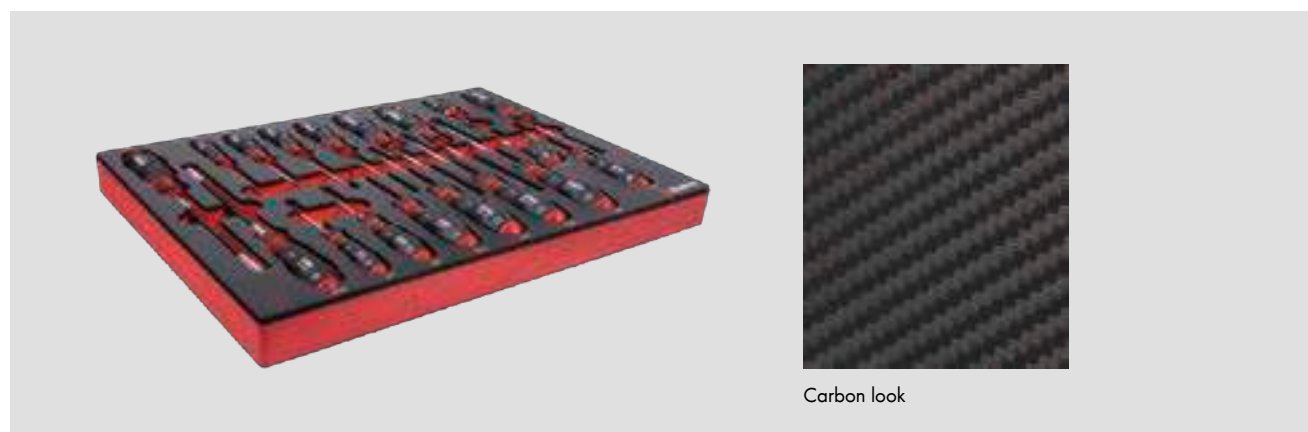


8.4.1

ORSY



Technical Data	
Number of pieces in assortment/set	18 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



Carbon look

18 pieces

Art.No. 0965 905923

SYSTEM ASSORTMENT 8.4.1, SCREWDRIVER AND RATCHET KEY 35 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

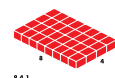
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



ORSY



Technical Data	
Number of pieces in assortment/set	35 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



35 pieces **Art.No. 0965 905 924**

TOTAL RANGE

SYSTEM ASSORTMENT 8.4.1, SCREWDRIVER 25 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

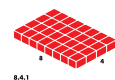
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

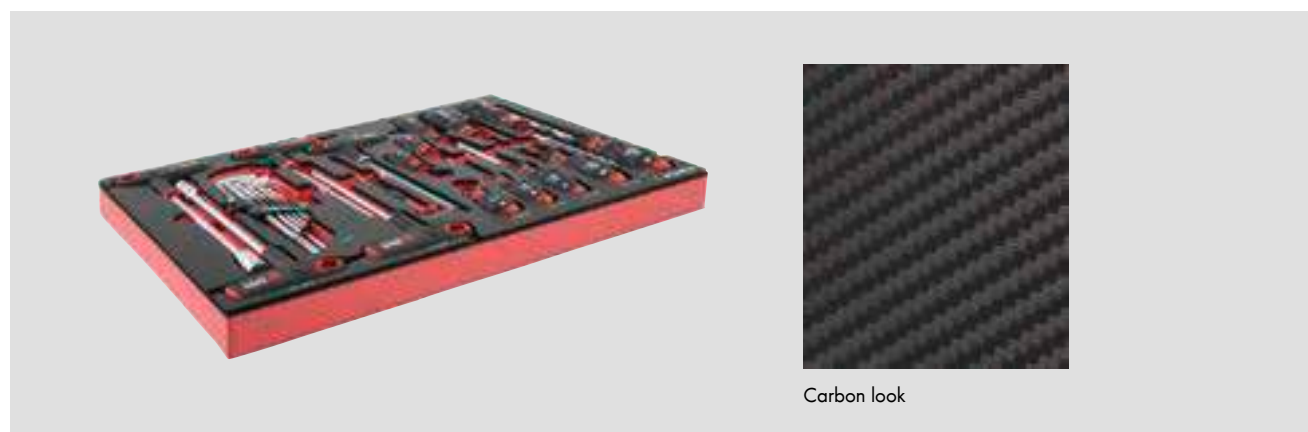
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



ORSY



Technical Data	
Number of pieces in assortment/set	25 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



25 pieces **Art.No. 0965 905940**

SYSTEM ASSORTMENT 8.4.1, COMBINATION WRENCH 36 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

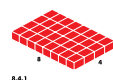
Tool sizes marked on insert.

Application

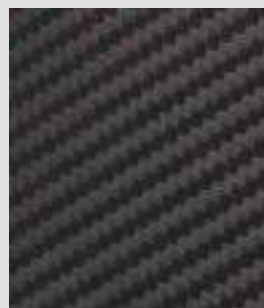
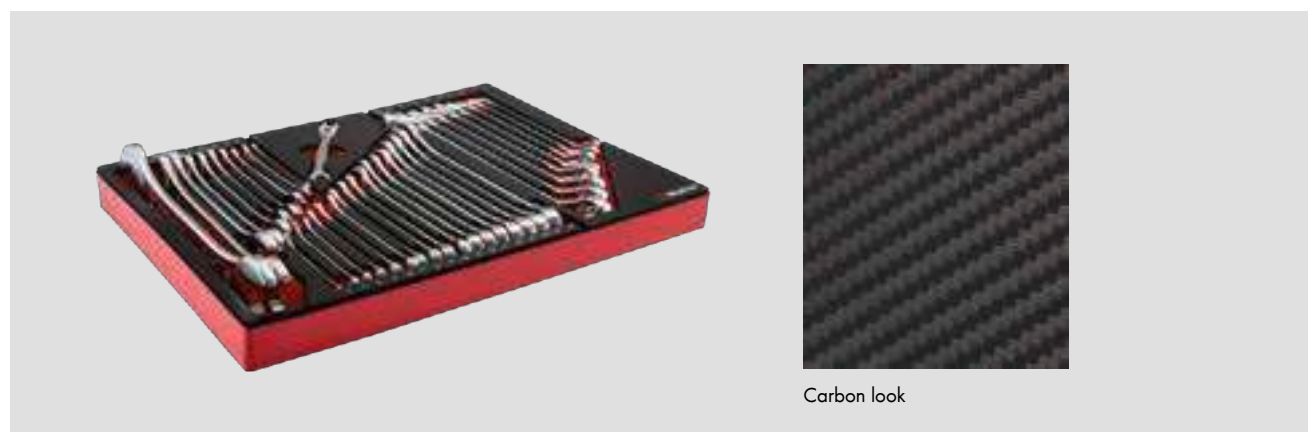
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	36 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

36 pieces

Art.No. 0965 905 912

TOTAL RANGE

SYSTEM ASSORTMENT 8.4.1 DOUBLE BOX-END WRENCHES, METRIC, DEEP OFFSET 12 PCS

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

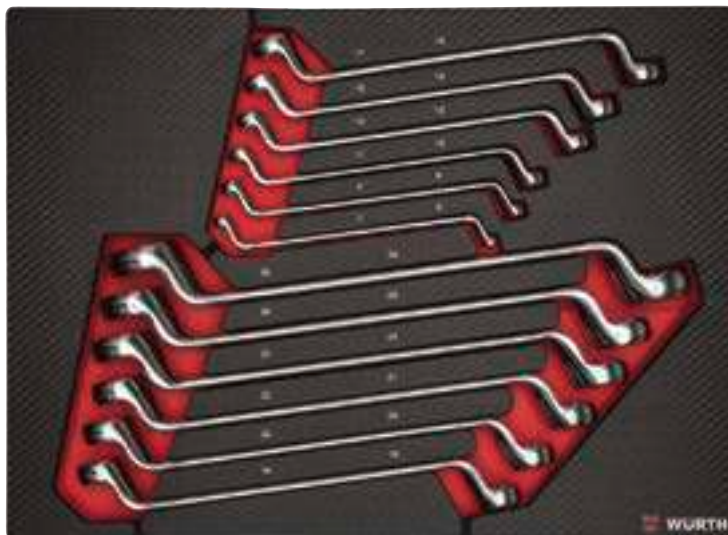
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

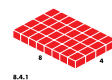
Tool sizes marked on insert.

Application

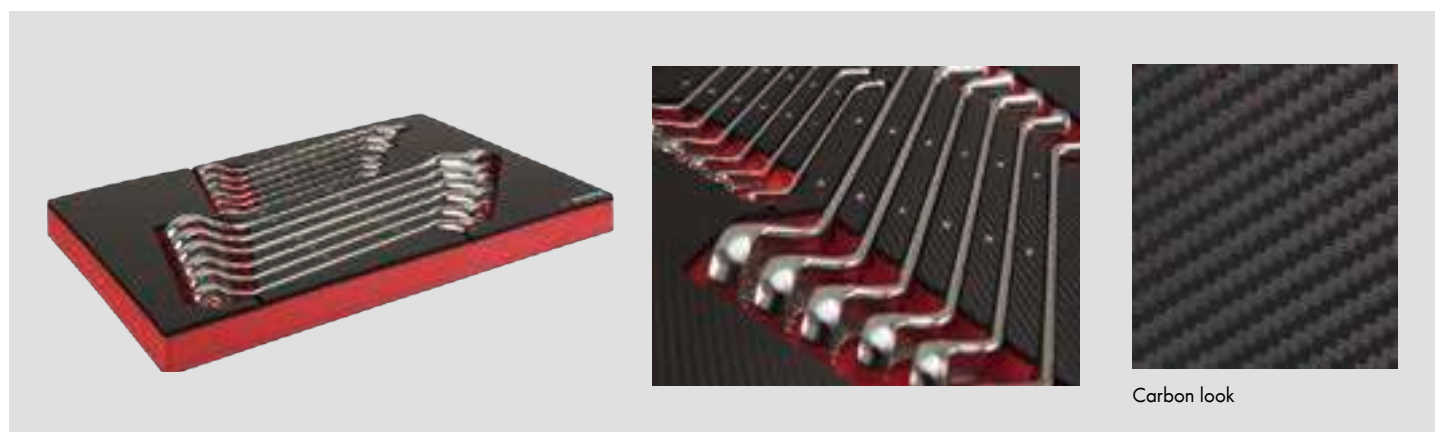
Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves)



Technical Data	
Number of pieces in assortment/set	12 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

12 pieces **Art.No. 0965 905405**

SYSTEM ASSORTMENT 8.4.1, STRIKING TOOL AND FILES 24 PIECES

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

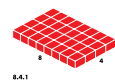
Tool sizes marked on insert.

Application

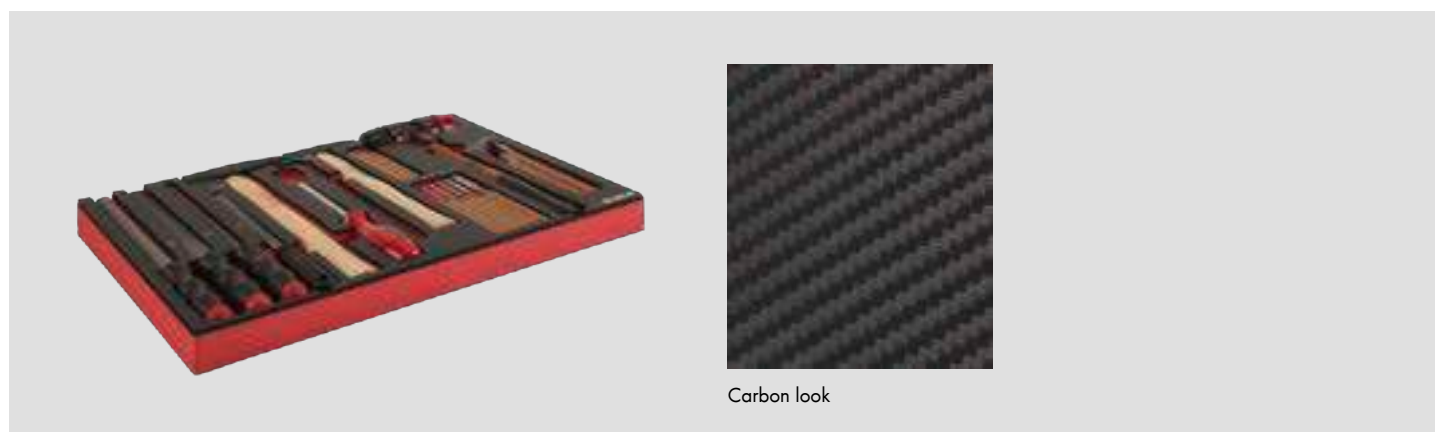
Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves)



Technical Data	
Number of pieces in assortment/set	24 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

24 pieces **Art.No. 0965 905 929**

TOTAL RANGE

SYSTEM ASSORTMENT 8.4.1, COMBINATION WRENCH 10 PIECES

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

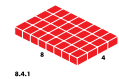
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves)



ORSY



Technical Data	
Number of pieces in assortment/set	10 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



Carbon look

10 pieces **Art.No. 0965 905402**

SYSTEM ASSORTMENT 4.4.1, MULTI RATCHET COMBINATION WRENCH 8 PIECES

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves)



ORSY



Technical Data	
Number of pieces in assortment/set	8 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



Carbon look

8 pieces **Art.No. 0965 905 406**

TOTAL RANGE

SYSTEM ASSORTMENT 4.4.1 COMBINATION WRENCHES, METRIC, 15° ANGLED RING 17 PIECES

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

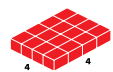
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves)



ORSY



Technical Data	
Number of pieces in assortment/set	17 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



SYSTEM ASSORTMENT 6.4.1, RATCHET COMBINATION WRENCH 15 PIECES

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves)



Technical Data	
Number of pieces in assortment/set	15 PCS
Size foam section	6.4.1
Width x height x depth	345 x 38 x 336 mm
Decor	Carbon appearance



ORSY



Carbon look

8 pieces **Art.No. 0965 905470**

TOTAL RANGE

IMPACT SOCKET SET HEX SOCKET 1/2 IN 4.4.1, 12 PCS

IMPSKT-HEXSKT-SET-1/2IN-12PCS

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

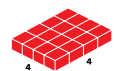
Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	12 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

12 pieces

Art.No. 0965 905218

SYSTEM ASSORTMENT 2.4.1, IMPACT SOCKET WRENCH 1/2-INCH 4 PIECES

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

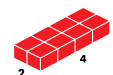
Tool sizes marked on insert.

Application

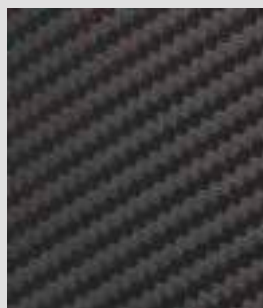
Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves)



Technical Data	
Number of pieces in assortment/set	4 PCS
Size foam section	2.4.1
Width x height x depth	115 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

4 pieces **Art.No. 0965 905213**

TOTAL RANGE

SYSTEM ASSORTMENT 4.4.1, TX SOCKET WRENCH 1/2 INCH 12 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes are marked on the insert.



Technical Data	
Number of drawers	12 PCS
Width x height x depth	231 x 38 x 335 mm
System dimensions	4.4.1
Decor	Carbon appearance

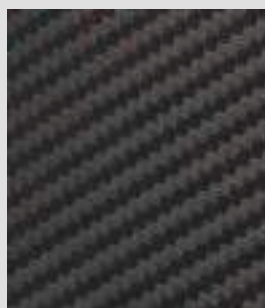


ORSY



Details/Application

Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Carbon look

SYSTEM ASSORTMENT 2.4.1, POWER SOCKET WRENCH, HEX SOCKET 1/2 INCH

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes are marked on the insert.



Technical Data	
Number of drawers	11 PCS
Width x height x depth	115 x 38 x 335 mm
System dimensions	2.4.1
Decor	Carbon appearance



ORSY



Details/Application

Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Carbon look

11 pieces **Art.No. 0965 905215**

TOTAL RANGE

SYSTEM ASSORTMENT 2.4.1, POWER SOCKET WRENCH, HEX 1/2 INCH

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

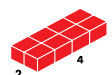
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes are marked on the insert.



Technical Data	
Number of drawers	16 PCS
Width x height x depth	115 x 38 x 335 mm
System dimensions	2.4.1
Decor	Carbon appearance



ORSY



Details/Application

Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Carbon look

16 pieces

Art.No. 0965 905 214

SYSTEM ASSORTMENT 4.4.1, SOCKET WRENCH 1/2 INCH 16 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

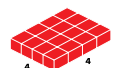
Tool sizes are marked on the insert.

Application

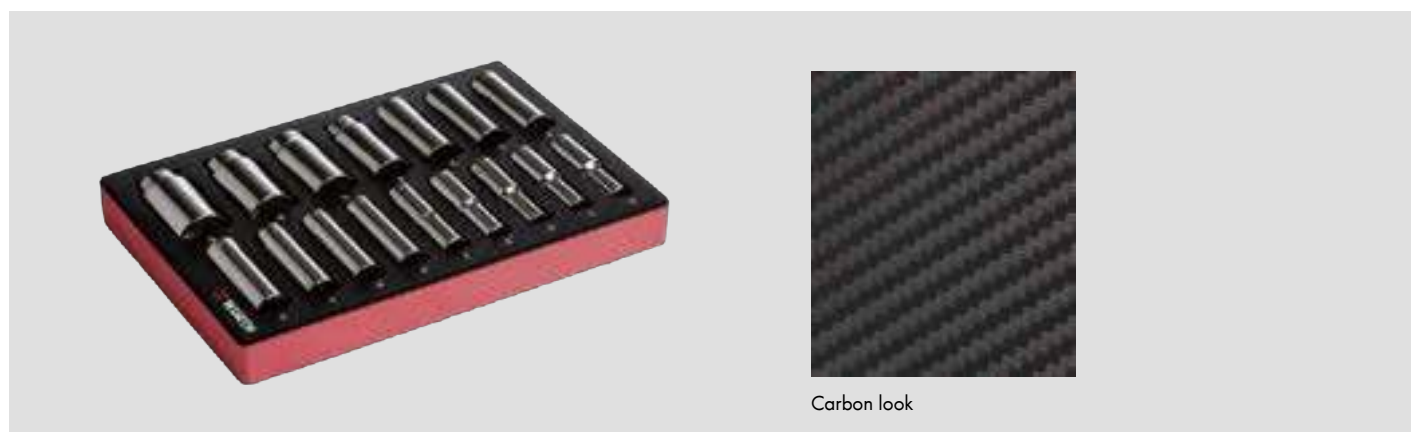
Suitable for ORSY systems (e.g. system case, workshop trolley ORSY@BULL boxes, ORSY shelves)



Technical Data	
Number of pieces in assortment/set	16 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

16 pieces **Art.No. 0965 905210**

TOTAL RANGE

SYSTEM ASSORTMENT 2.4.1, SOCKET WRENCH 1/4 INCH 12 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes are marked on the insert.



Technical Data	
Number of drawers	12 PCS
Width x height x depth	115 x 38 x 335 mm
System dimensions	2.4.1
Decor	Carbon appearance



ORSY



Details/Application

Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Carbon look

12 pieces

Art.No. 0965 905052

SYSTEM ASSORTMENT 4.4.1, DRIFT PUNCH AND STRIKING TOOL 14 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes are marked on the insert.

Application

Suitable for ORSY systems (e.g. system case, workshop trolley ORSY@BULL boxes, ORSY shelves)



Technical Data	
Number of pieces in assortment/set	14 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



ORSY



14 pieces

Art.No. 0965 905701

TOTAL RANGE

SYSTEM ASSORTMENT 4.4.1, SCREWDRIVER 8 PIECES

Compatible with all products of the ORSY system world

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

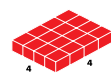
Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	8 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



8 pieces

Art.No. 0965 905501

SYSTEM ASSORTMENT 4.4.1, SCREWDRIVER TX 7 PIECES

Compatible with all products of the ORSY system world

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

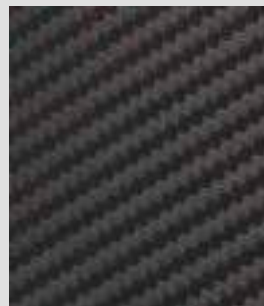
Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	7 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



Carbon look

7 pieces **Art.No. 0965 905502**

TOTAL RANGE

SYSTEM ASSORTMENT 4.4.1, T-HANDLE SCREWDRIVER, TX- 6 PIECES

Compatible with all products of the ORSY system world

Uniform grid dimensions

Attractive carbon finish

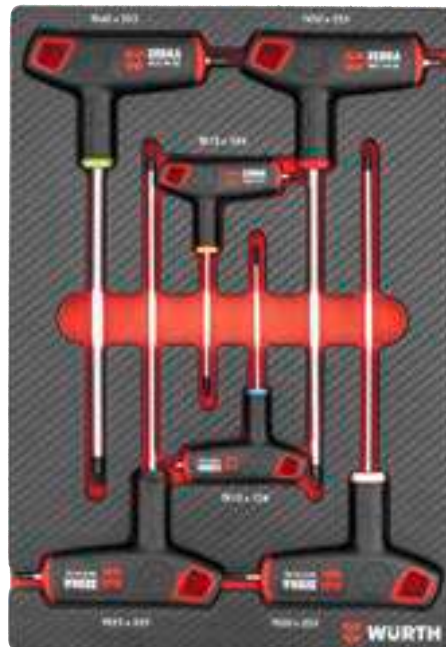
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

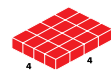
Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	6 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



Carbon look

6 pieces

Art.No. 0965 905521

SYSTEM ASSORTMENT 4.4.1, PLIERS 4 PIECES

Compatible with all products of the ORSY system world

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

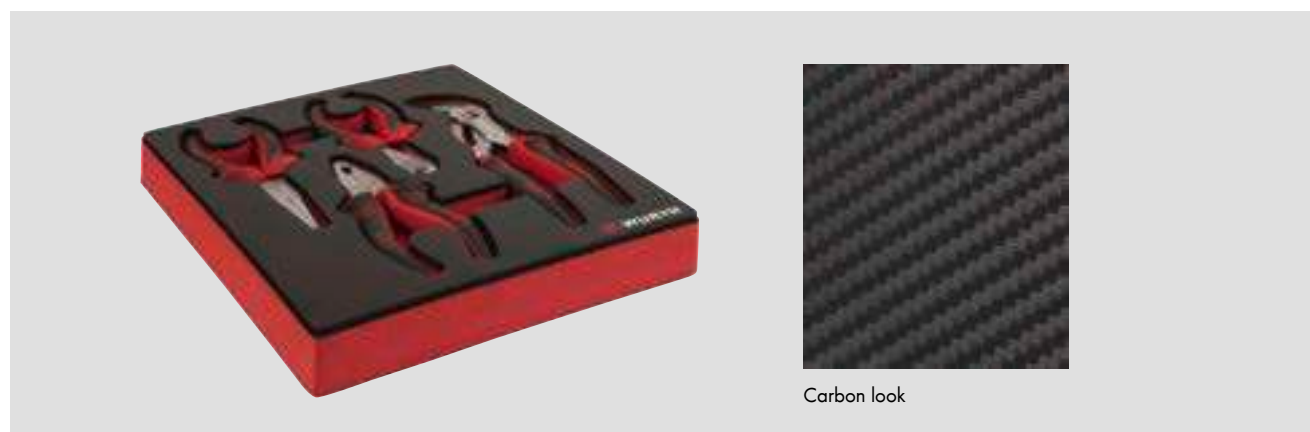
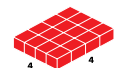
Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	4 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



4 pieces **Art.No. 0965 905600**

TOTAL RANGE

SYSTEM ASSORTMENT 8.4.1, SOCKET WRENCHES 3/8 INCH VDE 24 PIECES

Compatible with all products of the ORSY system world

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

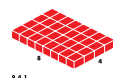
Tool sizes marked on insert.

Application

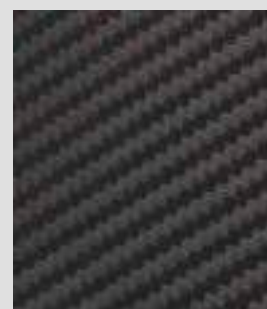
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Technical Data	
Number of drawers	24 PCS
Width x height x depth	462 x 38 x 335 mm
System dimensions	8.4.1
Decor	Carbon appearance



ORSY



Carbon look

24 pieces

Art.No. 0965 905417

SYSTEM ASSORTMENT 4.4.1, SOCKET WRENCH 3/8 INCH VDE 17 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	17 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

17 pieces

Art.No. 0965 905427

TOTAL RANGE

SYSTEM ASSORTMENT 6.4.1, SOCKET WRENCH 1/2 INCH VDE 17 PIECES

Compatible with all products of the ORSY system world

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

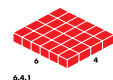
Tool sizes marked on insert.

Application

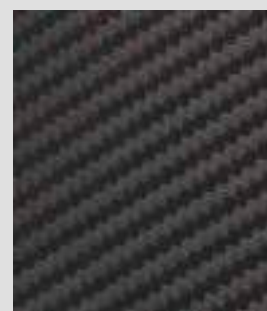
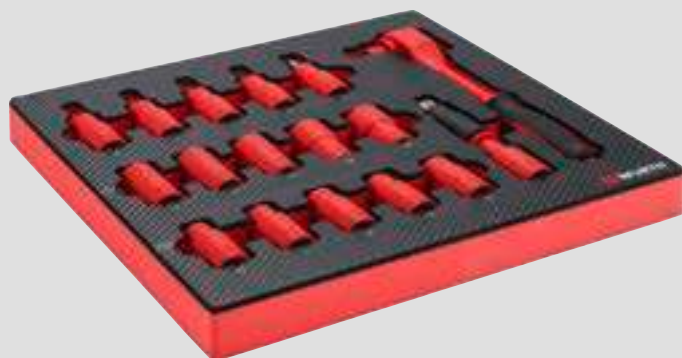
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Technical Data	
Number of drawers	17 PCS
Width x height x depth	346 x 38 x 335 mm
System dimensions	6.4.1
Decor	Carbon appearance



ORSY



Carbon look

17 pieces

Art.No. 0965 905421

TOTAL RANGE

SYSTEM ASSORTMENT 4.4.1, SINGLE OPEN-END WRENCH VDE 9 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	9 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

9 pieces **Art.No. 0965 905426**

TOTAL RANGE

SYSTEM ASSORTMENT 6.4.1, BOX-END WRENCH VDE 9 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	9 PCS
Size foam section	6.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

9 pieces

Art.No. 0965 905422

SYSTEM ASSORTMENT 6.4.1 SOCKET WRENCH 1/2, 1/4 AND 3/8 INCH 77 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes are marked on the insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY®BULL boxes, ORSY shelves).



Technical Data	
Number of drawers	77 PCS
Width x height x depth	346 x 38 x 335 mm
System dimensions	6.4.1
Decor	Carbon appearance

ORSY



Carbon look

77 pieces

Art.No. 0965 905220

TOTAL RANGE

SYSTEM ASSORTMENT 4.4.1, BITS 47 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

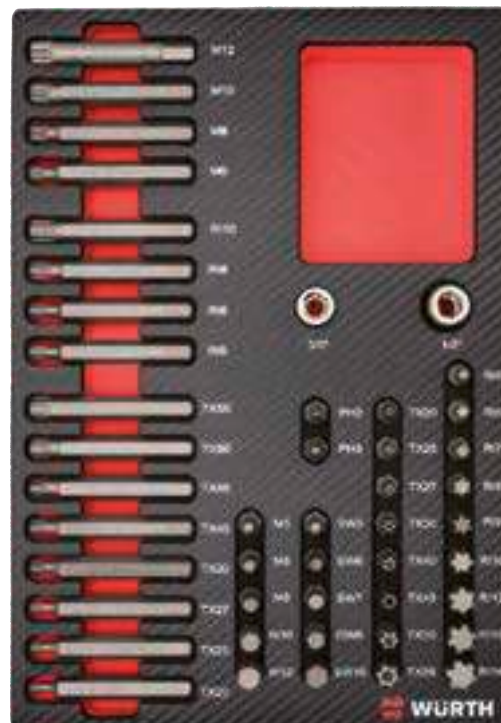
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

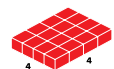
Tool sizes marked on insert.

Application

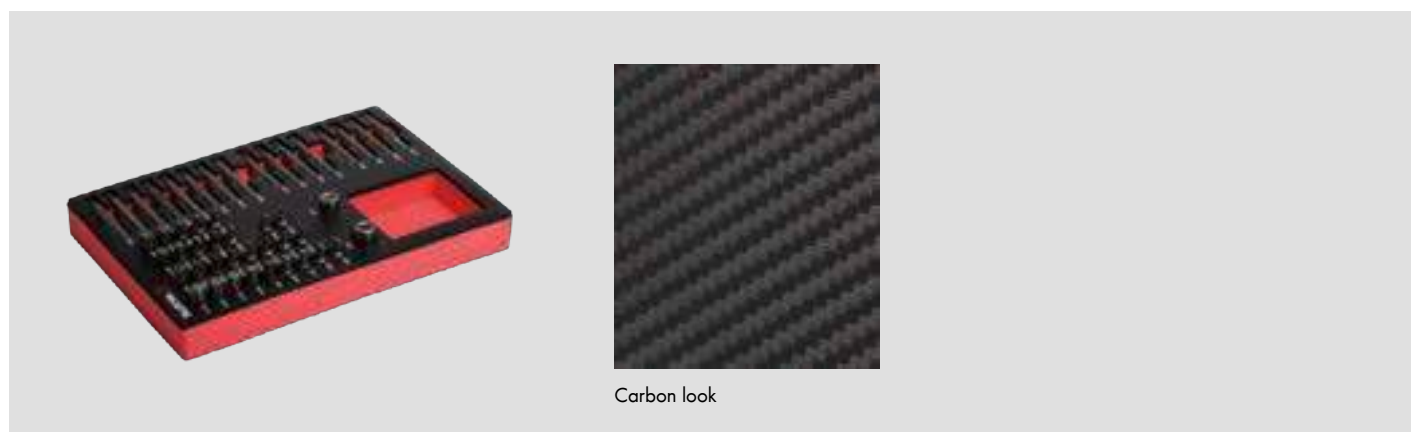
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	47 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



ORSY



SYSTEM ASSORTMENT 2.4.1, SOCKET WRENCH 3/8 INCH TX LONG VDE 6 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

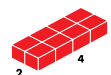
Tool sizes marked on insert.

Application

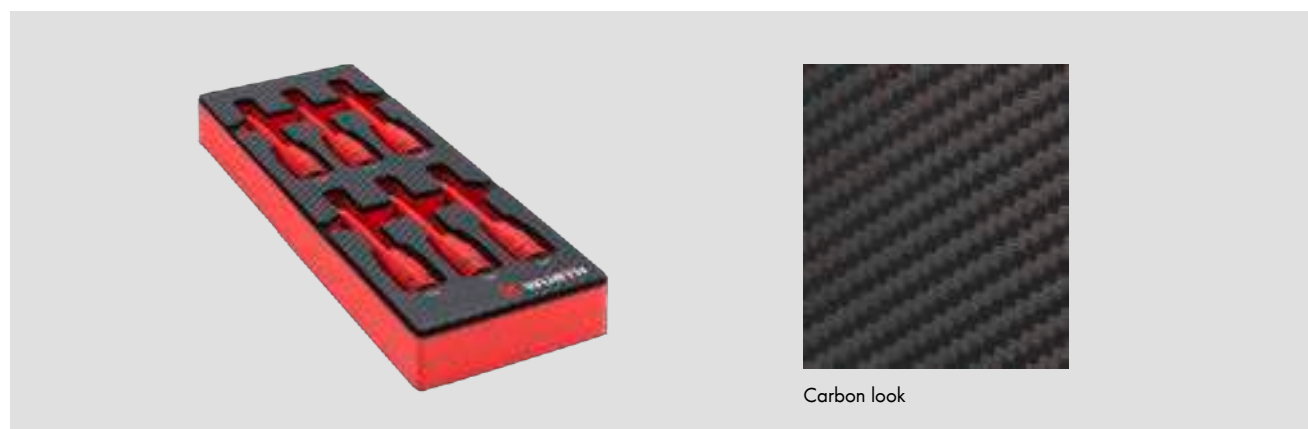
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	6 PCS
Size foam section	2.4.1
Width x height x depth	115 x 38 x 335 mm
Decor	Carbon appearance



ORSY®



6 pieces **Art.No. 0965 905423**

TOTAL RANGE

SYSTEM ASSORTMENT 2.4.1, SOCKET WRENCH 3/8 INCH HEXAGON VDE 6 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

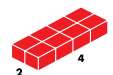
Tool sizes marked on insert.

Application

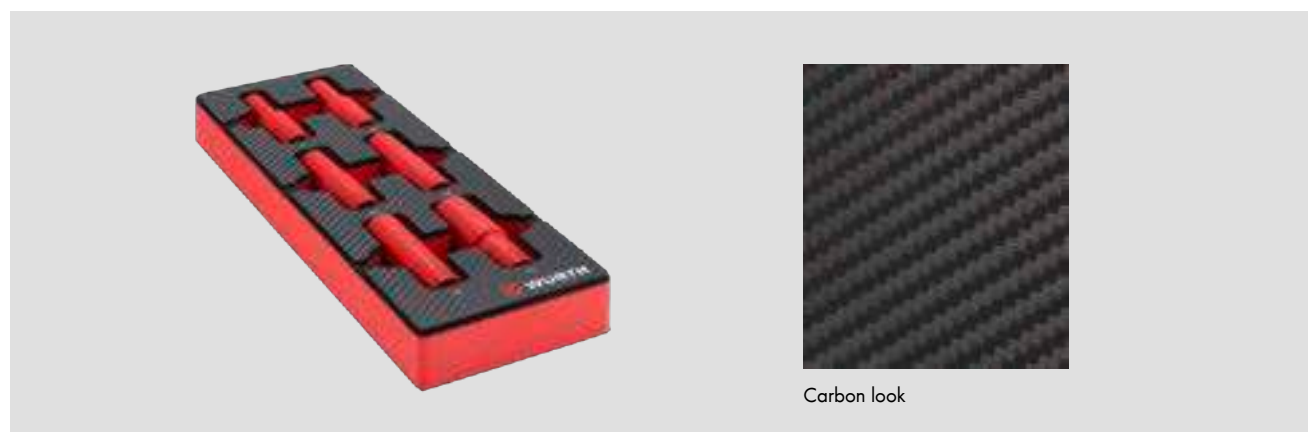
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	6 PCS
Size foam section	2.4.1
Width x height x depth	115 x 38 x 335 mm
Decor	Carbon appearance



ORSY



6 pieces

Art.No. 0965 905428

SYSTEM ASSORTMENT 4.4.1, SOCKET WRENCH 1/2 INCH VDE 8 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

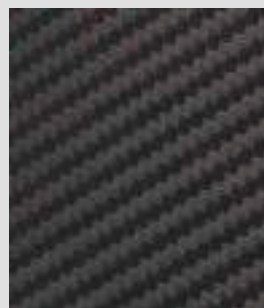
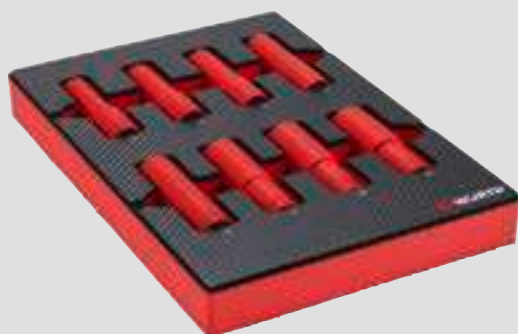
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	8 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

8 pieces **Art.No. 0965 905425**

TOTAL RANGE

SYSTEM ASSORTMENT 2.4.1, POWER SOCKET WRENCH ACCESSORIES 1/2 INCH

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

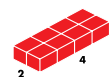
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves)



ORSY

Technical Data	
Number of pieces in assortment/set	6 PCS
Size foam section	8.4.1
Width x height x depth	462 x 38 x 335 mm
Decor	Carbon appearance



Carbon look

6 pieces **Art.No. 0965 905 216**

SYSTEM ASSORTMENT 4.4.1, PLIERS VDE 4 PIECES

Compatible with all products from the ORSY systems

Uniform grid dimensions

Attractive carbon finish

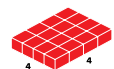
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for ORSY systems (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves)



ORSY

Technical Data	
Number of pieces in assortment/set	4 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



Carbon look

4 pieces **Art.No. 0965 905 607**

TOTAL RANGE

SYSTEM ASSORTMENT 4.4.1, VDE SCREWDRIVER 6 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

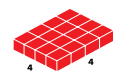
Tool sizes marked on insert.

Application

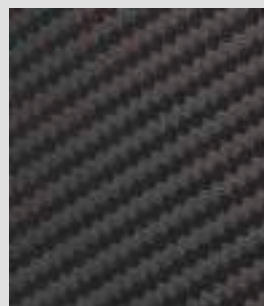
Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



Technical Data	
Number of pieces in assortment/set	6 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



ORSY



Carbon look

6 pieces

Art.No. 0965 905500

SYSTEM ASSORTMENT 4.4.1, SCREWDRIVER VDE 14 PIECES

Compatible with all ORSY system products

Uniform grid dimensions

Attractive carbon finish

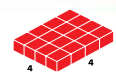
Insert made from high-quality plastic in attractive carbon finish for improved robustness, stability and easy cleaning

Find the correct tools quickly and easily

Tool sizes marked on insert.

Application

Suitable for the ORSY system world (e.g. system case, workshop trolley, ORSY@BULL boxes, ORSY shelves).



ORSY

Technical Data	
Number of pieces in assortment/set	14 PCS
Size foam section	4.4.1
Width x height x depth	231 x 38 x 335 mm
Decor	Carbon appearance



Carbon look

14 pieces **Art.No. 0965 905415**

TOTAL RANGE

TOOL CASE

Tool case complete with 93 tools TL-SET-MIX-93PCS

The ideal choice for use on the move

Extensive set

All common tools in one case

High-quality case

Plastic case with snap lock

Technical Data	
Number of pieces in assortment/set	93 PCS
Width x height x depth	423 x 360 x 86 mm



Details/Application



93 pieces **Art.No. 0965 93180**

1/4-INCH, 3/8-INCH AND 1/2-INCH SOCKETS ASSORTMENT OF 77 PIECES

Socket wrench for TX screws in robust, practical plastic case for workshop applications and mobile use

Extensive assortment in plastic case, 77 pieces

- This assortment contains a comprehensive range of equipment with TX sockets for workshop and mobile use
- The robust plastic case with handle and clip fastening has a virtually indestructible hard foam insert with clamping effect
- Valuable tools remain safely in place during transport
- Missing tools can be spotted at a glance

Perfect for many practical applications

- TX IP: Timing belt housing cover, gears, engine in general etc.
- TX IPR: Plug-in pumps of pump-line-nozzle systems, mass air flow meter, EWS3 engine immobiliser control unit, injection pumps, alternator etc.
- TX Plus: Flywheels, clutch attachment etc.
- Other screw types: External TX, TX with and without holes
- With different drives: 1/4 inch, 3/8 inch and 1/2 inch
- This means that almost all screw connections are possible

Suitable for manual use in DIN 3120 reversible ratchets

Particularly high quality for a long service life

- Chromium-vanadium steel
- The long-term usability of the tools reduces costs of replacement and storage



77 pieces **Art.No. 0965 1777**

3/8 INCH TORQUE WRENCH PUSH-THROUGH RATCHET

Torque wrench with 3/8 inch push-through square mount and ratchet head

- Trigger accuracy of +/- 3 % tolerance from the set scale value
- Non-slip two-component handle
- Easy-to-read, large double scale in N.m and lbf.ft.
- The torque can be easily and precisely adjusted by turning the handle
- The torque wrench does not have to be released after use, i.e. it does not have to be reset to the lowest scale value
- Settings can be securely locked and easily unlocked using the locking knob
- Clear acoustic and tangible torque triggering for precise screwing operations
- Includes declaration of conformity and serial number
- Sustainable, sturdy, moisture- and oil-resistant product packaging made of 100 % PCR (recycled plastic from household waste), 100 % recyclable



Application

Wide range of possible applications for controlled tightening of screws and nuts, for example, for repair and maintenance work on bicycles and vehicles or for industry and trade or anchor technology (ORSY@BULL boxes, ORSY shelves).

Technical Data	
Tip size	3/8 inch
Design	With 72 teeth - 5 degree angle of rotation
Scale value torque main scale	1 Nm
Torque measuring accuracy	+/- 3 %
Suitable for right-hand tight-ening	Yes
Suitable for left-hand tight-ening	Yes

Min./max. torque measuring range	Min./max. torque measuring range (inches)	Number of turns from min. to max. torque value	Length (L1)	Length of lever (L2)	Ratchet head width (D2)	Art. no.
12-60 Nm	9-44 lbf.ft	16.5	314 mm	226 mm	35 mm	0714 720 060
20-100 Nm	15-73 lbf.ft	17	376 mm	288 mm	36 mm	0714 720 100

Open packaging
 1 Turn the lower part of the packaging sleeve to the left
 2 Remove the packaging sleeve

Seal packaging
 1 Plug on packaging sleeve
 2 Turn the lower part of the packaging sleeve to the right

VDE SCREWDRIVER SET SLOTTED/PH 5 PIECES

Extra-slim design.

Blade burnished, reduced blade insulation diameter in critical working area

- Effortless access to low-lying screw and spring elements
- Prevents insulation from fraying

Screw symbol on end of handle

Individually tested in accordance with IEC 60900:2004

Application area

Switch cabinets and distributor boxes, circuit breakers, terminal strips and relays



5 pieces **Art.No. 0613 963250**

TOTAL RANGE

TX SCREWDRIVER ASSORTMENT WITH HOLE

Blade: Circular blade, brushed chromium-plated

Output: For TX socket screws with locking pin, Black Point

Contents: 7 pcs.

7 TX screwdrivers with hole
TX 10, 15, 20, 25, 27, 30, 40



Technical Data	
Number of pieces in assortment/set	7 PCS
Included in delivery	7 x TX screwdriver with hole TX 10, 15, 20, 25, 27, 30, 40



7 pieces **Art.No. 061393487**

1/2 INCH TORQUE WRENCH PUSH-THROUGH RATCHET

Torque wrench with 1/2 inch pass-through square mount and ratchet head

- Trigger accuracy of +/- 3 % tolerance from the set scale value
- Non-slip two-component handle
- Easy-to-read, large double scale in N.m and lbf.ft.
- The torque can be easily and precisely adjusted by turning the handle
- The torque wrench does not have to be released after use, i.e. it does not have to be reset to the lowest scale value
- Settings can be securely locked and easily unlocked using the locking knob
- Clear acoustic and tangible torque triggering for precise screwing operations
- Includes declaration of conformity and serial number
- Sustainable, sturdy, moisture- and oil-resistant product packaging made of 100 % PCR (recycled plastic from household waste), 100 % recyclable



Application

Wide range of possible applications for controlled tightening of screws and nuts, for example, for repair and maintenance work on bicycles and vehicles/commercial vehicles or for industry and trade or anchor technology

Technical Data	
Tip size	1/2 inch
Torque measuring accuracy	+/- 3 %
Suitable for right-hand tight-ening	Yes
Suitable for left-hand tight-ening	Yes
Design	With 72 teeth - 5 degree angle of rotation

Min./max. torque measuring range	Min./max. torque measuring range (inches)	Number of turns from min. to max. torque value	Length (L1)	Length of lever (L2)	Ratchet head width (D2)	Art. no.
20-100 Nm	15-73 lbf.ft	17	388 mm	295 mm	45 mm	0714 720 101

Open packaging
 1 Turn the lower part of the packaging sleeve to the left
 2 Remove the packaging sleeve

Seal packaging
 1 Plug on packaging sleeve
 2 Turn the lower part of the packaging sleeve to the right

SYSTEM CASE 8.4.1

Ideal for flexible storage of small parts, machines and tools used with consumables
Compatible and flexible thanks to grid dimensions

- Allows the contents to be customised for different applications
- Case can be used in the ORSY®BULL system boxes and vehicle interior equipment

Combining multiple cases

- Integrated rail contour and coupling elements allow you to combine multiple cases and transport equipment safely.

With a number of functional elements

- Integrated elastomer seal protects the contents from rain
- Simple opening and closing thanks to latches with finger recesses
- Labelling field for adhesive or inserted labels

Very comfortable

- Large handle design
- Integrated soft elements and wide swivel radius to take the pressure off hands and wrist
- Handle holds up to 60 kg

The system case has been awarded the three most prestigious design awards:

- Reddot design award 2017
- IF-Design Award 2017
- German Design Award 2018



Technical Data	
System dimensions	8.4.1
Width x height x depth	500 x 380 x 85mm
Material	ABS
Product weight (per item)	2280 g

Details/Application



Art.No. 5581 010000

SYSTEM TROLLEY

Transportation device for ORSY® series 5 BULL boxes and ORSY® system cases 8.4, 4.4 and other objects

- Sturdy frame made from sheet steel
- Two fixed castors and two steering rollers with locking brake
- ORSY®BULL and ORSY® system cases secured to trolley using coupling elements
- Can be easily converted into a transport trolley using a wooden panel as a loading surface



Technical Data	
Number of wheels	4 PCS
Material	Steel / acrylonitrile butadiene styrene
Length x width x height	615 x 490 x 185 mm
Load capacity	250 kg

Details/Application



Art.No. 5581 038500

TOTAL RANGE

SYSTEM STACKING CABINET FOR ORSY® SYSTEM CASE 8.4.1

Organisation system consisting of stackable and screwable modules for 5 ORSY® system cases

- Ball-bearing-mounted telescopic extensions
- Load per tray: 20 kg
- Side panels and rear panel with square perforation for accessories from perforated panel range
- Stacking knobs
- Central locking with two keys
- Colour: graphite black (RAL 9011)
- Material: Sheet steel
- Powder-coated



Technical Data	
Number of drawers	5 PCS
Width x height x depth	580 x 455 x 490 mm

Details/Application



Art.No. 5581 040002

COMBINATION WRENCH ASSORTMENT, SHORT TYPE

Metric DIN 3113A/ISO 3318/7738

Drive: Ring end POWERDRIV®, bi-hexagonal

Material: Chromium-vanadium steel

Surface: Chrome-plated, heads and ring polished

Geometry: Ring end angled 15°, jaw angle 15°



28 pieces **Art.No. 0713 30142**

DOUBLE OPEN-END WRENCH ASSORTMENT

Metric

Standard: DIN 3110/ISO 1085

Material: Chromium-vanadium steel

Surface: Chrome-plated, polished heads

Geometry: Jaw angle 15°, strong heavy-duty heads



12 pieces **Art.No. 0713 30443**

TOTAL RANGE

ASSEMBLY WEDGE SET 12 PIECES

For removing interior panelling and fastening elements.

Slim yet tough construction

Fibreglass-reinforced plastic.

Large number and optimum assortment

Offers the right assembly wedge for almost every problem.

Includes high-quality tool roll

Clear and space-saving storage.



12 pieces

Art.No. 0714 58245



12 pieces

Art.No. 0714 58245

WELDING LOCKING PLIERS WITH UPPER U-SHAPED GRIP JAWS ANGLED BY 90°

Smooth-action release lever with spring mechanism

Convenient and effortless one-handed operation - pulling instead of pressing

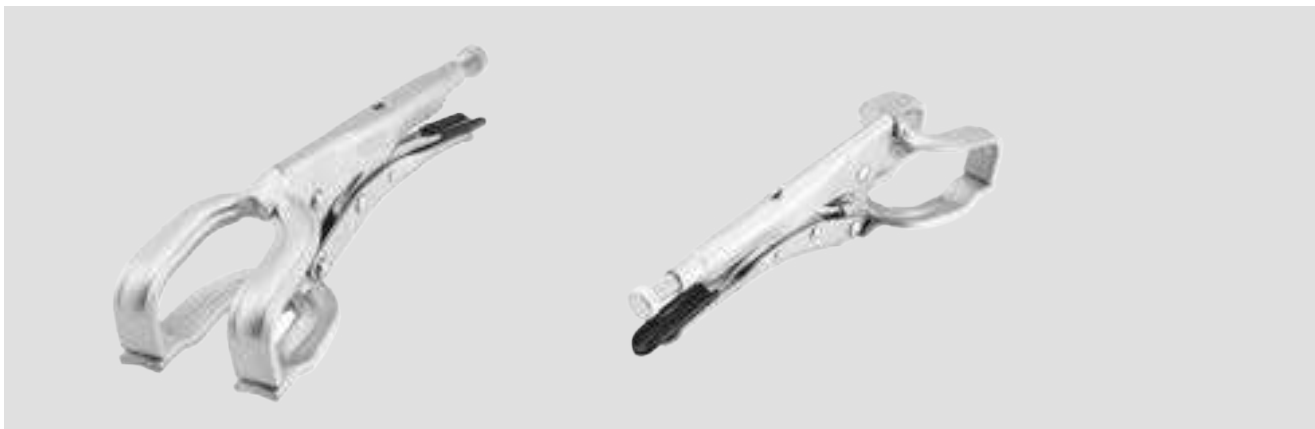
Upper jaw with recessed handle, permanently welded instead of soldered

Application area

Suitable for clamping profiled and flat materials before welding



Technical Data	
Length	265 mm
Min./max. clamping width	0-60 mm
Width of clamping jaw	75 mm
Material	Steel



Art.No. 071509 13

TOTAL RANGE

CLAMPING GRIP PLIERS, C TYPE

High, long clamping bracket for especially large range

- Smooth-action release lever with spring mechanism
- Convenient and effortless one-handed operation - pulling instead of pressing
- Made from high-strength rolled and partly forged steel



Art. No.	071509 18	071509 20	071509 21
Length	275 MM	465 MM	610 MM
Min./max. clamping width	0-98 MM	0-280 MM	0-390 MM
Clamping depth (T)	55 MM	235 MM	375 MM
Height (W)	85 MM	75 MM	75 MM
Material	STEEL	STEEL	STEEL
Surface	Zinc plated	ZINC PLATED	Zinc plated

LOCKING PLIERS SET 3 PIECES

Includes high-quality tool roll
Smooth-running release lever with spring mechanism

One-handed operation, pulling instead of pressing.

Jam nut for locking clamping width

Robust nickel coating



3 pieces **Art.No. 071409 103**

TOTAL RANGE

PLANISHING ASSORTMENT IN SHEET-STEEL BOX

Weight: 11 kg

Contents: 9 pcs.

- Round anvil
- Hand anvil, heel shape
- Hand anvil for mudguards
- Lever and planishing tool, small version
- Lever and planishing tool, strongly angles
- Planishing hammer, long version
- Shrink, planishing and finishing hammer, grid
- Shrink, planishing and finishing hammer
- Special peen planishing hammer



9 pieces **Art.No. 071574 70**

BALL PEEN HAMMER HICKORY HANDLE

Genuine hickory handle for durability and long life

Full polished head

Tempering treatment to reduce incidences of chipping and spalling

Comply with ASME B107.53



Art. No.	0715 73816	0715 73824	0715 73832
Hammer weight	16 OZ	24 OZ	32 OZ
Length (L)	350 MM	360 MM	390 MM

PLANISHING ASSORTMENT IN SHEET-STEEL BOX

**Particularly robust, torsion-resistant tool box,
can be folded open, has sturdy riveted hinges**

Cover with continuous strap hinge

Folding tubular carry handle

Can be locked by a padlock



Technical Data

Length x width x height	530 x 200 x 200 mm
Colour	Traffic red RAL 3020
Material	Sheet steel

Art.No. 071593 24

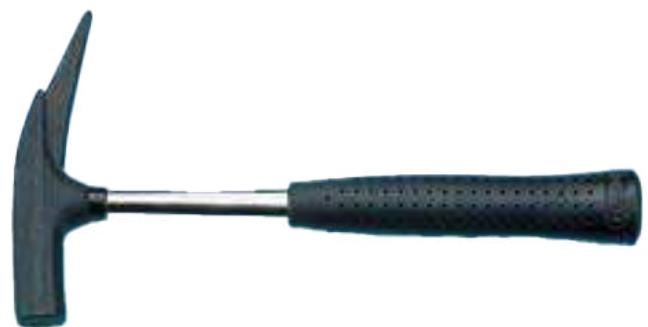
CLAW HAMMER-600G

German design complying with DIN 7239

Hammer head is lacquered in black.

With nail slot (non-magnetic).

Steel tubular shaft is riveted to the hammer head.



600G **Art.No. 0714 73302**

STAINLESS STEEL IMPACT SCRAPER

Universal scraper with striking cap and stainless steel blade

- Spherical striking cap with full blade shaft
- Ergonomic 2C handle with non-slip surface to dampen hammer blows
- Mirror-polished scraper blade for easy cleaning
- 1.8 mm thick stainless steel blade prevents contact corrosion

Notice

The scraper is intended for use with a hammer but does not substitute a chisel for chiselling work.



Technical Data	
Length	235 mm
Blade width	25 mm
Blade length	100 mm
Material	Stainless steel AISI 420
Material of handle	2-component plastic

WATER PUMP PLIERS

Standard: DIN ISO 8976

Handle: Plastic-coated

• **Anti-slip**

Teeth: Inductively hardened, polished

Head: Black

Material: Chrome-vanadium steel, hardened

Pinch guard

Use: Pipes, nuts

- Quick and precise fine adjustment
- Directly on workpiece with one hand
- No inadvertent maladjustment
- Self-locking on pipes and nuts
- No slipping on workpiece
- Prevents crush injuries

Joint: Pushed through



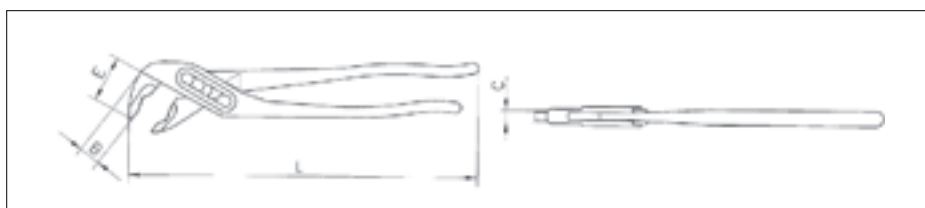
L in inch	L in mm	inch	mm	E in mm	B in mm	C in mm	Art. No.	P. Qty.
7	180	1/8 - 1 1/2	10 - 36	31	12	11.0	0715 02 33	1
10	250	1/8 - 2	10 - 46	35	17	12.0	0715 02 23	1
12	300	1/8 - 1 1/5	10 - 40	41	19	9.5	0714 02 77	1



WATER PUMP PLIERS



RED LINE



Standard: DIN ISO 8976.

Material: chrome-vanadium-steel, tempered.

Teeth: inductive hardened.

Head: chrome plated.

Joint: box, 7x adjustable self-locking on pipes and nuts no slipping on the workpiece.

Ergonomic, comfort handle for pleasant working conditions and optimal force transmission

Applications:

Pipes, nuts, flat workpieces.

L inch	L mm	○ inch	⬡ mm	E mm	B mm	C mm	Art.	P. Qty.
10	250	1	30	28	16	9	5722 01 563	6

COMBINATION PLIERS



RED LINE

For gripping, holding and cutting hard and soft wire and cable

- High-quality tool steel ensures long tool life and precision of gripping and cutting surfaces
- Extra-long cutting edge also for thicker cables
- Ergonomic, comfort handle for pleasant working conditions and optimal force transmission

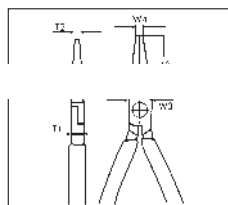
Cutting: inductively hardened precision cutting
 Torch hole: for gripping round materials
 Surface: chrome-plated all around
 Joint: lay-on

L mm	L inch	Medium-hard wire	Hard wire	Copper and aluminum cable	Art.	P. Qty.
180	7	3.4 mm dia.	2.2 mm dia.	12.0 mm dia.	16 mm ²	6
200	8	3.8 mm dia.	2.5 mm dia.	13.0 mm dia.		

SNIPE NOSE PLIERS



RED LINE



For gripping, holding and cutting soft and hard wires and cables

- High-quality tool steel ensures long tool life and precision of gripping and cutting surfaces.
- Extra-long cutting edge also for thicker cables.
- Cutting edges: with additional inductive hardening
- Surface: chrome-plated
- Ergonomic, comfort handle for pleasant working conditions and optimal force transmission
- Joint: laid on

L mm	L inch	Tig geometry	Jaw shape	L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	Art.	P. Qty.
200	8			74	17.5	9.5	3	2.5	5772 01 557	6

COMBINATION PLIERS DIN ISO 5746

For gripping, holding and cutting soft and hard wires and cables

High-quality tool steel for long service life and precise gripping and cutting surfaces

Extra-long blade also suitable for thicker cables

Blades: Additional inductive hardening

Surface: Entirely polished and sealed with clear lacquer

Handle shells: PVC, double-dipped

Joint: Lap joint



Art. No.	071501 574	071501 575	071501 576
Length (L)	160 mm	180 mm	200 mm
Max. medium wire diameter cutting capacity	2.5 mm	2.8 mm	3 mm
Max. hard wire diameter cutting capacity	1.8 mm	2.5 mm	2.5 mm
Surface	Lacquered	Lacquered	Lacquered
Length in inches (L)	6 1/4 IN	7 IN	8 IN
Material	Steel	STEEL	Steel
Material of handle	Polyvinyl chloride	Polyvinyl chloride	Polyvinyl chloride
ISO	5746	5746	5746

SIDE CUTTERS DIN ISO 5749

For cutting soft and extremely hard wires and cables

Strength-saving, clean cutting due to specially-milled precision cutting edge

High-quality tool steel ensures long service life and precision of blades

Inductively hardened

Surface entirely polished and sealed with clear lacquer

Handle shells: PVC, double-dipped



Art. No.	071501 571	071501 572
Length (L)	160 MM	180 MM
Max. hard wire diameter cutting capacity	2.5 MM	2.7 MM
Max. medium wire diameter cutting capacity	3.5 MM	3.8 MM
Max. piano wire diameter cutting capacity	2 MM	2.2 MM
Length in inches (L)	6 1/4 IN	7 IN
Type of joint	Lap joint	LAP JOINT

SNIPE NOSE PLIERS DIN ISO 5745

For gripping, holding and cutting soft and hard wires and cables

- High-quality tool steel for long service life and precise gripping and cutting surfaces
- Extra-long blade also suitable for thicker cables
- Blades: Additional inductive hardening
- Surface: Entirely polished and sealed with clear lacquer
- Handle shells: PVC, double-dipped
- Joint: Lap joint



Art. No.	0715 01 567	0715 01 568	0715 01 569
Length (L)	160 mm	200 mm	200 mm
Length in inches (L)	6 1/4 IN	8 IN	8 IN
Jaws length (L3)	52 mm	77 mm	72 mm
Jaws thickness (T1)	9 mm	11 mm	11 mm
Jaw-tips width (W4)	3 mm	4 mm	4 mm
Material	Steel	Steel	Steel
Material of handle	Polyvinyl chloride	Polyvinyl chloride	Polyvinyl chloride
Surface	Lacquered	Lacquered	Lacquered
Angle of jaws			40 Degree

PLIERS ASSORTMENT DOUBLE-DIPPED

Ergonomic, anti-slip comfort handle for pleasant working conditions and optimal force transmission

Number of pieces in assortment/set: 5 PCS

Product weight (per item): 1086 g



Contents		L in mm	P. Qty.
0715 01 568	Snipe Nose Pliers	200	1
0715 01 572	Side Cutters	180	
0715 01 575	Combination Pliers	180	
0715 01 577	Wire Stripping Pliers	160	
0715 01 578	End Cutting Nippers	160	

SCREWDRIVER PHILLIPS (PH)/SLOTTED SET 6 PIECES

Supplied in window color box

Number of pieces in assortment/set: 6 PCS

Included in delivery: PH1; PH2; 0.6 x 3.5; 1 x 5.5; 1.2 x 6.5; 1.6 x 8.0



6 PCS Art.No. 5751 942 27

RED STRIPE

SCREWDRIVER (TX) SET 7 PIECES

Supplied in window color box

Number of pieces in assortment/set: 7 PCS

Included in delivery: TX10 TX15 TX20 TX25 TX27 TX30 TX40

Tip size: TX10, TX15, TX20, TX25, TX27, TX30, TX40



7 PCS Art.No. 5751 934 9

RED STRIPE

T-HANDLE SCREWDRIVER HEXAGON (HEX) SET 7 PIECES

Supplied in window color box

Number of pieces in assortment/set: 7 PCS

Included in delivery: HEX2.5 3 4 5 6 8 10 mm



7 PCS Art.No. 5751 914 062

RED STRIPE

ALLEN KEY HEXAGONAL (HEX) SET 9 PIECES – EXTRA LONG BLADE

- **Blade:** Hexagon blade with ball head;
- **Matt Chrome plated;**
- **1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm**
- **Fulfill ISO standard.**



9 PCS **Art.No. 575243 100**

RED STRIPE

ALLENKEY-SORT-L-BALLHD-(1,5-10MM)-9PCS

- **Blade:** Hexagon blade with ball head;
- **Matt Chrome plated;**
- **1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm**
- **Fulfill ISO standard.**



9 PCS **Art.No. 575241 100**

RED STRIPE

ALLEN KEY HEXAGONAL (HEX) SET 9 PIECES – SHORT BLADE

- **Blade:** Hexagon blade with ball head;
- **Matt Chrome plated;**
- **1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm**
- **Fulfill ISO standard.**



9 PCS **Art.No. 5752042 030**

RED STRIPE

ALLEN KEY SET TX (TX) 8 PIECES – LONG BLADE

- **S2 Steel Blade**
- **Non-Magnetic Tip**
- **90 Degrees Arm**
- **Wide Angle Movement**
- **Wide Visible Markings**
- **Tip type: TX**
- **Included in delivery: TX9, TX10, TX15, TX20, TX25, TX27, TX30, TX40**
- **Number of pieces in assortment/set: 8 PCS**



8 PCS **Art.No. 575239 101**

RED STRIPE

1/4 INCH SOCKET WRENCH ASSORTMENT 32 PCS

Socket wrench with pressed-in bits, practical metal box for workshop applications and mobile use, robust design, professional-quality Red Stripe Quality

12-1/4" DR. Socket: 4-5-5.5-6-7-8-9-10-11-12-13-14mm

1-1/4" DR. Spanner Handle 200mm

1-1/4" DR. Quick Release Ratchet Handle 72 Teeth

1-1/4" DR. Extension Bar 150mm

1-1/4" DR. Flexible Extension 150mm

1-1/4" DR. Universal Joint

8-1/4" Bit Socket 25mmL. (-)SLO.8x5.5mm (+)PH1-PH2-PH3 (H)H3-H4-H5-H6

7-1/4" Bit Socket 25mmL.(T)T10-T15-T20-T25-T27-T30-T40

32 PCS **Art.No. 5763114 032**



RED STRIPE

1/2 INCH SOCKET WRENCH ASSORTMENT (WS10-32) 22 PCS

Practical metal box for workshop applications and mobile use, professional-quality REDSTRIPE tool for Powerful, efficient fastening operation and Particularly high quality for a long service life

17 pcs - 1/2" Sockets: 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 24 | 27 | 30 | 32 mm

1 pc - 1/2" Quick release ratchet handle | 72 teeth

2 pcs - 1/2" Extension bar: 125 | 250 mm

1 pc - 3-way adapter 1/2" x 3/8"

1 pc - 1/2" Universal joint

22 PCS **Art.No. 5763112 022**



RED STRIPE

RATCHET 1/4 INCH WITH RESERSIBLE LEVER

Tip size	1/4 inch
Material	Chrome-vanadium steel
Material of handle	2-component plastic
Surface	Chrome plated
Length (L1)	153 mm
Length of lever (L2)	142 mm
Handle length (L3)	70 mm
Handle diameter (D1)	24.3 mm
Ratchet diameter (D2)	27 mm
Ratchet head height (B1)	13.2 mm
RATCHET HEAD HEIGHT WITH SQUARE (B2)	23 MM

Art.No. 5763014901



RED STRIPE

1/4 + 3/8 + 1/2 INCH SOCKET WRENCH ASSORTMENT 154 PIECES

Contents:

1/4" - 79 Pieces

- 12 pcs - 1/4" Sockets: 4 | 5 | 5.5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 mm
- 8 pcs - 1/4" Deep sockets: 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 mm
- 1 pc - 1/4" Quick release ratchet handle | 72 Teeth
- 1 pc - 1/4" E-Profile sockets: E4 | E5 | E6 | E7 | E8
- 2 pcs - 1/4" Extension bar: 50 | 150 mm
- 8 pcs - 1/4" Bit Sockets [Bit: S2]: T8 | T9 | T10 | T15 | T20 | T25 | T27 | T30
- 8 pcs - 1/4" Bit Sockets [Bit: S2]: T8H | T9H | T10H | T15H | T20H | T25H | T27H | T30H
- 6 pcs - 1/4" Bit Sockets : PZ1 | PZ2 | PZ3 | PH1 | PH2 | PH3
- 8 pcs - 1/4" Bit Sockets : H3 | H4 | H5 | H6 | SL4 | SL5.5 | SL6.5 | SL7
- 1 pc - 1/4" Universal Joint
- 1 pc - 1/4" Spinner Handle: 200 mm
- 1 pc - 1/4" Bit Coupler
- 18 pc - 1/4" Bits 25mm

3/8" - 29 Pieces

- 10 pcs - 3/8" Sockets: 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 mm
- 9 pcs - 3/8" Deep Sockets: 8 | 10 | 11 | 13 | 16 | 17 | 18 | 19 | 21 mm
- 1 pc - 3/8" Quick release ratchet handle | 72 Teeth
- 6 pcs - 3/8" E-Profile sockets: E10 | E11 | E12 | E14 | E16 | E18
- 1 pc - 3/8" Extension Bar: 125mm
- 1 pc - 3/8" Hexagon bit coupler: 5/16"
- 1 pc - 3/8" Universal Joint

1/2" - 46 Pieces

- 15 pcs - 1/2" Sockets: 10 | 11 | 12 | 13 | 14 | 15 | 17 | 19 | 20 | 21 | 22 | 24 | 27 | 30 | 32 mm
- 4 pcs - 1/2" Deep Sockets: 17 | 18 | 19 | 22 mm
- 1 pc - 1/2" Quick release ratchet handle | 72 Teeth
- 3 pcs - 1/2" E-Profile sockets: E20 | E22 | E24
- 2 pcs - 1/2" Extension Bars: 125 | 250 mm
- 1 pc - 1/2" x 3/8" T-Head



154 PCS

Art.No. 5763 100154

RED STRIPE

TOTAL RANGE

COMBINATION WRENCH ASSORTMENT (WS6-22) 17 PCS

Geometry: Ring side 15° angled down, openedend position 15°

Available sizes: 6 - 36 mm

- **Standard:** DIN 3113 / DIN 475-2
- **Material:** Chrome-vanadium-steel
- **Surface:** Chrome matt plated, open end polished



17 PCS **Art.No. 5754101 917**

RED STRIPE

DOUBLE OPEN-ENDED WRENCH SET (WS6-32) 12 PCS - FLAT

Double open-ended wrench set metric 12 pieces

- **Standard:** DIN 3110 / DIN 475-2
- **Material:** Chrome-vanadium-steel
- **Surface:** Chrome matt plated, heads are polished



12 PCS **Art.No. 57541 04912**

RED STRIPE

COMBINATION WRENCH SHORT SET 12 PIECES

Geometry: 15 Degrees Angle Head (Open End)

Available sizes: 6 - 22 mm

- **Standard:** DIN 3113 / DIN 475-2
- **Material:** Chrome-vanadium-steel
- **Surface:** Chrome matt plated, open end polished



12 PCS **Art.No. 5754101912**

RED STRIPE

DOUBLE OPEN-RING WRENCH SET 12 PIECES - FLAT

DOUBLE-ENDNDED SPANNER RING SET metric, straight 12 pieces POWERDRIV bi-hexagon 12 pieces

Standard: DIN 837/ISO 1085

Material: Chromium-vanadium steel

Surface: Chrome matt plated

Short shaft and slim heads for working in the tightest of spaces.



12 PCS **Art.No. 57541 05912**

RED STRIPE

COMBINATION WRENCH SET (WS6-32) 25 PCS - FLAT

Combination wrench set metric, short design, offset
Ring side double hexagon 25 pieces

- **Standard:** DIN 3113 / DIN 475-2
- **Material:** Chrome-vanadium-steel
- **Surface:** Chrome matt plated, open end polished



25 PCS **Art.No. 57541 01925**

RED STRIPE

COMBINATION WRENCH SET (WS6-32) 25 PCS - OFFSET

Combination wrench set metric, short design, offset
Ring side double hexagon 25 pieces

- **Standard:** DIN 3113 / DIN 475-2
- **Material:** Chrome-vanadium-steel
- **Surface:** Chrome matt plated, open end polished



25 PCS **Art.No. 57541 11925**

RED STRIPE

ADJUSTABLE SPANNER

Excellent design adjustable.

Smooth surface matte chrome plating, polished head.

Geometric shape

The jaw position is 22.5°, with a right-hand model and a metric measuring ruler, which can quickly and accurately identify the jaw opening.



Decription	Art. No.
OPNENDWRNCH-ADJ-(WS0-19)-L150MM	5754 221 106
OPNENDWRNCH-ADJ-(WS0-24)-L200MM	5754 221 108
OPNENDWRNCH-ADJ-(WS0-29)-L250MM	5754 221 110
OPNENDWRNCH-ADJ-(WS0-34)-L300MM	5754 221 112
OPNENDWRNCH-ADJ-(WS0-45)-L375MM	5754 221 115
OPNENDWRNCH-ADJ-(WS0-55)-L450MM	5754 221 118

RED STRIPE

TOTAL RANGE

LIGHT METAL SPIRIT LEVEL CONSTRUCTION

Lightweight design

Excellent readability and long service life

Acrylic glass level block with permanently printed marking lines in the bubble\

No liquid discolouration, maximum precision with fluctuating temperatures

Fluorescent bubble liquid, highly resistant to UV radiation

Very easy to clean

Very smooth surface due to fine powder coating in silver



Robust design with high measurement accuracy

The shock-resistant end caps protect the spirit level profile from deforming

The spirit level has a measurement accuracy at a normal position of $0.029^\circ =$

0.5 mm/m

Art. No.	0714 644435	0714 644436	0714 644438
Length (L)	50 CM	60 CM	80 CM
Height (H)	50 MM	50 MM	50 MM
Width (B)	20 MM	20 MM	20 MM
Measuring accuracy (per length)	0.5 MM/M	0.5 MM/M	0.5 MM/M
Degrees measuring accuracy	0.029 degree	0.029 degree	0.029 degree

POCKET TAPE MEASURE WITH PLASTIC HOUSING

High-quality tape measure with plastic housing, movable end hook and removable belt clip

Material of housing: ABS

Accuracy class: II



Art. No.	0714 64567	071464 568
Max. length measuring range (L max)	5 M	8 M
Width of band (b)	25 MM	25 MM
Material of housing	ABS	ABS
Accuracy class	II	II



 **WÜRTH**

TOTAL RANGE

Würth Saudi Arabia LLC

King Fahad Branch Rd. Al Olaya District,
Street number 70, P.O.Box 503, 12214
Riyadh

Website: www.wurth.sa

Email: Info@wurth.sa

**#READY
FOR WORK**

شركة وورث السعودية العربية ذ.م.م. طريق الملك فهد
الفرعي، حي العليا، شارع رقم ٧٠، ص.ب. ٥٠٣، ١٢٢١٤
الرياض

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