

ELMARK[®]

The Brand of Electricity



TOOLS & GARDEN MAINTENANCE CATALOGUE | 2024

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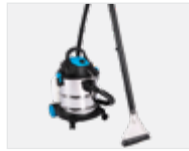


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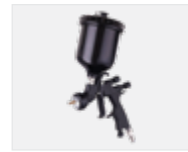
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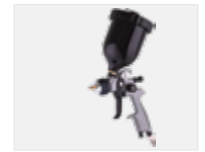
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TOOLS

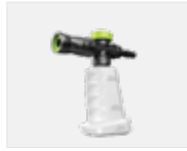
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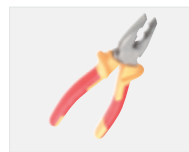
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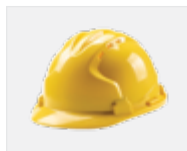
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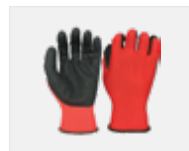
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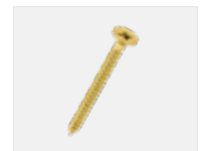
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ELECTRICAL PROFESSIONAL CORDED LINE



PROFESSIONAL



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL DRILL EL-D10

59510

TECHNICAL DATA

- Power: 500W
- No-load speed: 4300 r/min
- Chuck size: 0.6-6.5 mm
- Cable length: 2 m

ADVANTAGES

- 10 mm metal chuck: to tighten and hold bits steady
- Forward and reverse: ability for easy adjustment according to tasks



PROFESSIONAL



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

IMPACT DRILL EL-D14

59514

TECHNICAL DATA

- Power: 600W
- No-load speed: 0-3000 r/min
- Chuck size: 13mm
- Cable length: 2m

ADVANTAGES

- Soft grip handle.
- Lockable switch.
- Variable speed.
- Aluminum gear housing.



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CORDED DRILL EL-D15 WITH PLASTIC CASE

59515

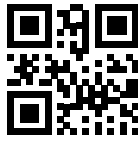
TECHNICAL DATA

- Power: 750W
- No-load speed: 0-2800 r/min
- Chuck size: 1.5-13mm
- Cable length: 1.5m

ADVANTAGES

- Soft grip handle.
- Lockable switch.
- Variable speed.





5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL

PROFESSIONAL IMPACT DRILL EL-D11

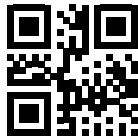
59511

TECHNICAL DATA

- Power: 910W
- No-load speed: 0-2800 r/min
- Chuck size: 13 mm
- Cable length: 2 m

ADVANTAGES

- Impact and drill: two modes transformed.
- 13 mm metal chuck: to tighten and hold bits steady.
- Auxiliary handle: is convenient for operation at any angle.
- Variable large trigger: switch and 360° swivel side handle for added comfort speed.
- Lock-on button: for comfortable operation.
- Aluminum: die-cast gear case.



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL

PROFESSIONAL TWO SPEED IMPACT DRILL EL-D12

59512

TECHNICAL DATA

- Power: 1050W
- No-load speed: 0-1200/0-3200 r/min
- Chuck size: 13 mm
- Cable length: 2 m

ADVANTAGES

- Dual-mode selector: easily converts from rotation-only to hammer-drill mode.
- 13 mm metal chuck: to tighten and hold bits steady.
- Auxiliary handle: is convenient for operation at any angle.
- Variable large trigger: switch and 360° swivel side handle for added comfort speed.
- Lock-on button: for comfortable operation.
- Forward and reverse: ability for easy adjustment according to tasks.
- 2 speed: provides maximum torque in setting 1 and maximum speed in setting 2.



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL

PROFESSIONAL LIGHT ROTARY HAMMER EL-RH13

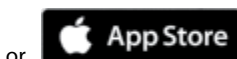
59513

TECHNICAL DATA

- Power: 800W
- Single stroke power: 3.2J
- No-load speed: 0-1400 r/min
- Impact rate: 0-5700 b/min
- Cable length: 2 m

ADVANTAGES

- Four functions: easily converts trim.
- Auxiliary handle: is convenient for operation at any angle.
- Variable large trigger: switch and 360° swivel side handle for added comfort speed.





3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ROTARY HAMMER DRILL 800W, EL-RH003

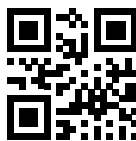
59608

TECHNICAL DATA

- Rated voltage: 230V/ 50Hz
- Power: 800W
- No-load speed: 0-1350r/min
- Impact rate: 0-5500pm
- Impact energy: 2.8J
- Bit holder: SDS-plus
- Function: 4
- Motor material: Cooper
- Concrete drilling capacity: 26mm
- Wood drilling capacity: 30mm
- Steel drilling capacity: 13mm
- Cable length: 2m

INCLUDED ACCESSORIES

- 3 x SDS-plus drill bits- 6; 8; 10 x 150mm
- 1 x auxiliary handle
- 1 x metal guide ruler
- 1 x oil box



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ROTARY HAMMER DRILL 1500W, EL-RH007

59609

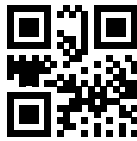
TECHNICAL DATA

- Rated voltage: 230V/ 50Hz
- Power: 1500W
- No-load speed: 300-800r/min
- Impact rate: 1500-4000pm
- Impact energy: 0.6J
- Bit holder: SDS-plus
- Function: 4
- Concrete drilling capacity: 26mm
- Wood drilling capacity: 30mm
- Steel drilling capacity: 13mm
- Cable length: 2m

INCLUDED ACCESSORIES

- 3 x SDS-plus drill bits- 8; 10; 12 x 150mm
- 2 x SDS-plus pointed & flat chisel- 14 x 230mm
- 1 x additional adjustable handle
- 1 x metal guide ruler
- 1 x grease pot
- 1 x dust cap
- 1 x depth gauge
- 1 x wrench
- 1 x carbon brush





3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ANGLE GRINDER EL-AG04

59504

TECHNICAL DATA

- Power: 750W
- Diameter of wheel: 125mm
- No-load speed: 11000 r/min
- Thread size: M14
- Cable length: 2m

ADVANTAGES

- Compact and slim body: for easy operation.
- Dust proof: motor and switch.

PROFESSIONAL



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CORDED ANGLE GRINDER EL-AG07 WITH PLASTIC CASE

59507

TECHNICAL DATA

- Power: 850W
- Diameter of wheel: 125 mm
- No-load speed: 11000 r/min
- Thread size: M14
- Cable length: 1.5 m



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL ANGLE GRINDER EL-AG01

59501

TECHNICAL DATA

- Power: 900W
- Diameter of wheel: 125 mm
- No-load speed: 11000 r/min
- Thread size: M14
- Cable length: 2 m

ADVANTAGES

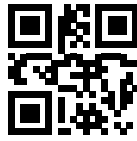
- Compact grid design: for comfort & control.
- Cast metal gear case: increased josite durability and tool longevity.
- Spindle lock: for fast and easy wheel changes whit a single wrench.
- Epoxy-coated field windings: provides protection against abrasive dust.
- Soft grid side handle: allows greater and comfortable control in multiple positions.
- Compact and slim handle for easy operation, rubber coated, can be set in 2 positions.

PROFESSIONAL



or





5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL JIG SAW EL-JS20

59520

TECHNICAL DATA

- Power: 710W
- No-load speed: 1500-3100r/min
- Stroke distance: 23mm
- Cable length: 2m

PROFESSIONAL



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CORDED CIRCULAR SAW EL-CS25

59525

TECHNICAL DATA

- Power: 1480W
- No-load speed: 4800r/min
- Saw blade specification: 180x20mm
- Cutting depth: 60mm
- Cutting Angle: 0-45°
- Body material: Aluminum
- Weight: 3.1kg
- Cable length: 1.8m



RoHs
COMPLIANT



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CORDED SANDER EL-P42

59542

TECHNICAL DATA

- Power: 600W
- No-load speed: 13000r/min
- Planing depth: 1mm
- Planing width: 82mm
- Weight: 2.35kg
- Cable length: 1.8m



PROFESSIONAL



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL ANGLE GRINDER EL-AG02

59502

TECHNICAL DATA

- Power: 2000W
- Diameter of wheel: 180mm
- No-load speed: 6500 r/min
- Thread size: M14
- Cable length: 2 m

ADVANTAGES

- Compact grid design: for comfort & control.
- Cast metal gear case: increased josite durability and tool longevity.
- Spindle lock: for fast and easy wheel changes whit a single wrench.
- Epoxy-coated field windings: provides protection against abrasive dust.
- Soft grid side handle: allows greater and comfortable control in multiple positions.
- Compact and slim handle for easy operation, rubber coated, can be set in 2 positions.



PROFESSIONAL



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL ANGLE GRINDER EL-AG03

59503

TECHNICAL DATA

- Power: 2400W
- Diameter of wheel: 230mm
- No-load speed: 6500r/min
- Thread size: M14
- Cable length: 2m

ADVANTAGES

- Compact grid design: for comfort & control.
- Cast metal gear case: increased josite durability and tool longevity.
- Spindle lock: for fast and easy wheel changes whit a single wrench.
- Epoxy-coated field windings: provides protection against abrasive dust.
- Soft grid side handle: allows greater and comfortable control in multiple positions.
- Compact and slim handle for easy operation, rubber coated, can be set in 2 positions.



PROFESSIONAL



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL MULTI TOOL EL-MT40

59540

TECHNICAL DATA

- Power: 280W
- No-load speed: 11000-21000
- Thread size: M14
- Cable length: 2m

ADVANTAGES

- Quick blade: changing system can fit widely-used blades.
- Oscillation angle: 4 degree.
- Powerful motor: for improved durability and straighten cuts.
- Variable speed: for optimal performance and control in a variety of materials





PROFESSIONAL



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL CORDED HEAT GUN EL-HG30

59530

TECHNICAL DATA

- Power: 1800W
- Temperature: 50/400/550 C°
- Air flow: 250/250/500L/M
- Cable length: 2m

ADVANTAGES

- Dual fan speed selector delivers high and low fan speed settings.
- Integrated hands free support stand allow the gun to sit upright for hands free use.
- 1800W motor delivers high heat and multiple fan setting.



HEAT GUN NOZZLE FOR EL-HG30

59532

Type: Heat gun nozzle for heat gum EL-HG30 (cat. No 59530).



PROFESSIONAL



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CORDED HEAT GUN WITH HEAT GUN NOZZLE

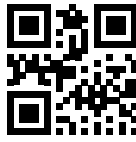
59531

TECHNICAL DATA

- Power: 2000W
- Temperature: 350 C°
- Switch positions: 0-I-II
- Cable length: 2m

ADVANTAGES

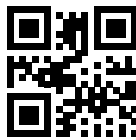
- Protection: against over-heat.
- Settings: two steps airflow.



CORDED POLISHER EL-P41
59541

TECHNICAL DATA

- Power: 600W
- No-load speed: 3000r/min
- Polishing diameter: 125mm
- Polished mandrel thread: M14
- Cable length: 1.6m



FINISHING SANDER 240W, EL-FS003
59611

TECHNICAL DATA

- Rated voltage: 230V/ 50Hz
- Power: 240W
- No-load speed: 12000r/min
- Base plate size: 125mm
- Cable length: 2m



INCLUDED ACCESSORIES

- 1 x dust bag
- 1 x sandpaper



DRYWALL SANDER 800W 180MM, EL-DS002
59616

TECHNICAL DATA

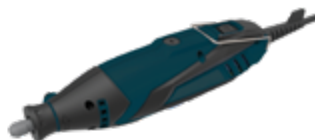
- Rated voltage: 230V/ 50Hz
- Power: 800W
- No-load speed: 1200-2300r/min
- Disc diameter: 180mm
- Dust tube diameter: 32mm
- Cable length: 4m



INCLUDED ACCESSORIES

- 1 x dust bag
- 1 x auxiliary handle soft rubber
- 1 x S5 hexagonal bond
- 2 x S-connectors
- 1 x dust collection tube 2m
- 6 x sandpaper





3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

MINI GRINDER 135W, EL-MG001

59610

TECHNICAL DATA

- Rated voltage: 230V/ 50Hz
- Power: 135W
- No-load speed: 8000-32000r/min
- Cable length: 2m

INCLUDED ACCESSORIES

- 1 x plastic case with 40 bits



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CORDED SPRAY GUN EL-SG43

59543

TECHNICAL DATA

- Power: 150W
- No-load speed: 30000r/min
- Cylinder capacity: 1000 ml
- Nozzle diameter: 0.18mm
- Accessories: Fuselage, brush and funnel x 1pc
- Cable length: 1.5m



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ELECTRIC SPRAY GUN 650W, EL-SG004

59615

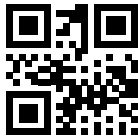
TECHNICAL DATA

- Rated voltage: 230V/ 50Hz
- Power: 650W
- Can capacity: 800ml
- Nozzle: copper 2.5mm
- Viscosity: 80din/s
- Flow rate: 450ml/min

INCLUDED ACCESSORIES

- 1 x viscosity measuring cup
- 1 x pass needle
- 1 x spray gun hose





CORDED HANDLE MIXER EL-HM44
59544

TECHNICAL DATA

- Power: 1800W
- No-load speed: 600r/min
- Weight: 3.5kg
- Accessories: Rod for mixing x 1pc

3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended



BENCH GRINDER 250W 150MM, EL-BG003
59613

TECHNICAL DATA

- Ratted voltage: 230V/ 50Hz
- Power: 250W
- No-load speed: 2950r/min
- Wheel size: 150 x 20 x 12.7mm
- Cable length: 1.8m

3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

INCLUDED ACCESSORIES

- 1 x goggles



TILE CUTTER 450W, EL-TC003
59614

TECHNICAL DATA

- Ratted voltage: 230V/ 50Hz
- Power: 450W
- No-load speed: 2950r/min
- Tilting range: 0-45°
- Table size: 330 x 360mm
- Blade size: 180 x 22.2 x 2.2mm
- Cutting depth: 15mm/45° & 34mm/90°
- Cable length: 1.8m

3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

INCLUDED ACCESSORIES

- 2 x wrenches
- 1 x protective cover
- 1 x sink
- 1 x parallel guide rail
- 1 x square



ELECTRICAL CORDLESS LINE



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

PROFESSIONAL

12V CORDLESS DRILL EL-CD53 + BATTERY & CHARGER, SET 59553

TECHNICAL DATA

- Voltage: 12V
- No-load speed: 0-400/0-1500r/min
- Max. torque: 30 (N.m)
- Torque settings: 19+1
- Chuck size: 10mm
- Battery capacity: 12V/2A
- Charger: 400mA

ADVANTAGES

- Drill gear box: two speed.
- Compact design: with soft grip handle.
- LED light: Integrated.



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL

20V DRILL DRIVER EL-CD50 59550

TECHNICAL DATA

- Voltage: 20V
- No-load speed: 0-400/0-1500r/min
- Max. torque: 30 (N.m)
- Torque settings: 21+1
- Chuck size: 10mm

ADVANTAGES

- High performance 4-pole motor
- PCB inside: to protect the motor from over-loading
- Belt clip: for easy carrying
- Soft grip: to reduce fatigue
- Battery: Not Included. Suitable with batteries with catalogue numbers 59560 and 59561



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

PROFESSIONAL

20V TWO SPEED IMPACT DRILL EL-CD51 59551

TECHNICAL DATA

- Voltage: 20V
- No-load speed: 0-450/0-1700r/min
- Max. torque: 50 (N.m)
- Torque settings: 21+1+1
- Impact rate: 0-6400/2400 (B/min)
- Chuck size: 13mm - all metal

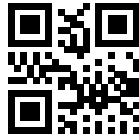
ADVANTAGES

- All metal/ 2 speed transmission: for a wide range of drilling and driving applications.
 - High performance 4-pole motor.
 - PCB inside: to protect the motor from over-loading.
 - Belt clip: for easy carrying Soft grip: to reduce fatigue.
- Note: Battery is not Included. Suitable with batteries with catalogue numbers 59560 and 59561.*





PROFESSIONAL



5 YEARS TOTAL WARRANTY
+ 5 standard
0 extended

20V ANGLE GRINDER EL-CAD52

59552

TECHNICAL DATA

- Voltage: 20V
- No-load speed: 7000r/min
- Diameter of wheel: 115mm
- Thread size: 14mm

ADVANTAGES

- High performance motor.
- PCB inside: to protect the motor from over-loading.
- Soft grip: to reduce fatigue.

Note: Battery is not Included. Suitable with batteries with catalogue numbers 59560 and 59561.



PROFESSIONAL

Li-ion
2Ah



3 YEARS TOTAL WARRANTY
+ 2 standard
1 extended

20V LITHIUM BATTERY EL-B60

59560

TECHNICAL DATA

- Voltage: 20VDC
- Type: Li-ion
- Capacity: 2 Ah
- Charge time: 1h
- Cells: 5 pcs

ADVANTAGES

- Water protection barrier: routes water away from the electronics and out of the battery pack.
- Smart electronics: Protect from abuse. Optimum tool performance.
- Temperature control frame: Extend run-time and life by minimizing heat. Operates below -18°C/ 0°F.
- Fully exposed cell carrier and rubber over mold: prevents pack failure from vibration or drops.



PROFESSIONAL

Li-ion
4Ah



3 YEARS TOTAL WARRANTY
+ 2 standard
1 extended

20V LITHIUM BATTERY EL-B61

59561

TECHNICAL DATA

- Voltage: 20VDC
- Type: Li-ion
- Capacity: 4 Ah
- Charge time: 2h
- Cells: 10 pcs

ADVANTAGES

- Water protection barrier: routes water away from the electronics and out of the battery pack.
- Smart electronics: Protect from abuse. Optimum tool performance
- Temperature control frame: Extend run-time and life by minimizing heat. Operates below -18°C/ 0°F.
- Fully exposed cell carrier and rubber over mold: prevents pack failure from vibration or drops.



PROFESSIONAL



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

FAST BATTERY CHARGER EL-CH62

59562

TECHNICAL DATA

- Rated Voltage: 20VDC
- Input Voltage: 100-240VAC

FEATURES

- Diagnostics with LED.
- Short circuit protection.
- Over heating protection.
- Over charging protection.



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

12V CORDLESS DRILL EL-CD54

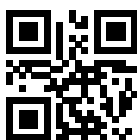
59554

TECHNICAL DATA

- Voltage: 12V
- No-load speed: 0-350/0-1350r/min
- Max. torque: 20 (N.m)
- Chuck size: 0.8-10mm
- Charging time: 1.5-2 hours
- Battery: Build-in 1500mah
- Charger: Included



Li-ion



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

18V CORDLESS IMPACT DRILL EL-CD55 + PLASTIC CASE, SET

59555

TECHNICAL DATA

- Voltage: 18V
- Charging time: 3h
- Battery capacity: 1500mAh Li-ion
- No-load speed: 0-350/0-1350r/min
- Max. torque: 29 (N.m)
- Chuck size: 0.8-10mm
- Functions: Bidirectional rotation; two speed regulation, with impact function ; charging protection.

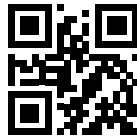
THE SET INCLUDES

- 1 drill;
- 1 battery;
- 1 battery charger;
- 18 drill accessories;
- 1 semi metal joint.

*EL-CD55 is not compatible with other 18V ELMARK batteries.



Li-ion



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

18V CORDLESS IMPACT DRILL EL-CD56 + PLASTIC CASE, SET 59556

TECHNICAL DATA

Voltage: 18V
 Charging time: 3h
 Battery capacity: 1500mAh Li-ion
 No-load speed: 1700r/min
 Max. torque: 48 (N.m)
 Chuck size: 1.5-13mm
 Functions: Bidirectional rotation; impact function; charging protection; replaceable battery

THE SET INCLUDES

- 1 drill;
- 1 battery;
- 1 battery charger;
- 18 drill accessories;
- 1 iron with locking joint.

* EL-CD56 is compatible with battery EL-B63 with catalogue number 59563.



Li-ion



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

18V CORDLESS ANGLE GRINDER EL-CAG57 + PLASTIC CASE, SET 59557

TECHNICAL DATA

- Voltage: 18V
- Charging time: 3h
- Battery capacity: 1500mAh Li-ion
- No-load speed: 0-11000r/min
- Diameter of wheel: 125mm
- Chuck size: 1.5-13mm
- Functions: Charging protection; replaceable battery

THE SET INCLUDES

- 1 angle grinder;
- 1 battery;
- 1 battery charger.

* EL-CAG57 is compatible with battery EL-B63 with catalogue number 59563





Li-ion



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

21V CORDLESS CIRCULAR SAW EL-CCS58

59558

TECHNICAL DATA

- Voltage: 21V
- Charging time: 3h
- Battery capacity: 1500mAh Li-ion
- No-load speed: 0-3500r/min
- Cutting Angle: 0-45°
- Maximum depth of sawing: 40mm
- Saw blade diameter: 150mm
- Functions: Charging protection; replaceable battery.

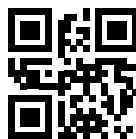
THE SET INCLUDES

- 1 circular saw;
- 1 ruler;
- 1 battery;
- 1 adapter

** EL-CCS58 is compatible with battery EL-B64 with catalogue number 59564*



Li-ion



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

21V CORDLESS JIG SAW EL-CJS59

59559

TECHNICAL DATA

- Voltage: 21V
- Charging time: 3h
- Battery capacity: 1500mAh Li-ion
- No-load speed: 2500r/min
- Cutting Depth: 80mm
- Blade diameter: 20mm

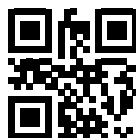
THE SET INCLUDES

- 1 jig saw;
- 1 battery;
- 1 battery charger.

** EL-CJS59 is compatible with battery EL-B64 with catalogue number 59564*



Li-ion



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

21V CORDLESS LEAF BLOWER EL-CB67

59567

TECHNICAL DATA

- Voltage: 21V
- Charging time: 3h
- Battery capacity: 1500mAh Li-ion
- No-load speed: 11000r/min
- Blow capacity: 2.3m³/min
- No-load current: 5.5A
- Function: Charge protection, battery replaceable

THE SET INCLUDES

- 1 leaf blower;
- 1 spare battery box;
- 1 adapter.

** EL-CB67 is compatible with battery EL-B64 with catalogue number 59564*





Li-ion



18V LITHIUM BATTERY EL-B63 1.5AH
59563

TECHNICAL DATA

- Voltage: 18V
- Battery type: 18650
- Battery capacity: 1500mAh Li-Ion x 5pcs



Li-ion



21V LITHIUM BATTERY EL-B64 1.5AH
59564

TECHNICAL DATA

- Voltage: 21V
- Battery type: 18650
- Battery capacity: 1500mAh Li-Ion x 5pcs





3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

WET AND DRY VACUUM CLEANER 1000W 12L, EL-WD12 59600

FEATURES

- For wet and dry cleaning
- Strong suction and blowing function
- Robust PP body
- Big base with wheels
- Many accessories
- Cable and plug storage place

TECHNICAL DATA

- Voltage: 100-240V
- Frequency: 50-60Hz
- Rated Power: 1000W
- Airflow: $\geq 1.7\text{m}^3/\text{min}$
- Vacuity: $\geq 14\text{KPa}$
- Noise: $\leq 80\text{dB(A)}$
- Capacity: 12L
- Storage tank material: Stainless steel
- Weight: 3.65kg

INCLUDED ACCESSORIES

- 1 x plastic hose $\varnothing 32$ - 1.5m
- 3 x plastic tubes $\varnothing 32$
- 1 x washable sponge filter + paper bag
- 1 x crevice nozzle $\varnothing 32$ - 20cm
- 1 x wet & dry brush $\varnothing 32$
- 1 x clothes bag
- 1 x big base with wheels



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

WET AND DRY VACUUM CLEANER 1200W 20L, EL-WD20 59601

FEATURES

- For wet and dry cleaning
- Dust shaking function
- Handle with airflow control function
- Multiple filtration for clean air
- Special filter-cleaning function for avoiding clogging
- Many accessories

TECHNICAL DATA

- Voltage: 100-240V
- Frequency: 50-60Hz
- Rated Power: 1200W
- Airflow: $\geq 2.0\text{m}^3/\text{min}$
- Vacuity: $\geq 16\text{KPa}$
- Noise: $\leq 80\text{dB(A)}$
- Capacity: 20L
- Storage tank material: Stainless steel
- Weight: 6.25kg

INCLUDED ACCESSORIES

- 1 x plastic hose $\varnothing 32$, 1.5m with adjustable handle
- 1 x telescopic stainless steel tube $\varnothing 32$
- 1 x sponge filter
- 1 x crevice nozzle $\varnothing 32$ - 20cm
- 1 x wet & dry floor brush $\varnothing 32$
- 1 x wet & dry round brush $\varnothing 32$
- 1 x HEPA filter
- 1 x big base with wheels



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CARPET AND CAR VACUUM CLEANER 1200W 20L, EL-CC20 59602

FEATURES

- For wet and dry cleaning
- Carpet & Sofa washer function / Shampoo-spraying function
- Multiple filtration for clean air
- Special filter-cleaning function for avoiding clogging
- Flexible hose for multi-angle cleaning
- Universal wheels for easy moving

TECHNICAL DATA

- Voltage: 100-240V
- Frequency: 50-60Hz
- Rated Power: 1200W
- Airflow: $\geq 2.0\text{m}^3/\text{min}$
- Vacuity: $\geq 16\text{KPa}$
- Noise: $\leq 80\text{dB(A)}$
- Capacity: 20L
- Filtration: Water separation
- Water tank capacity: 3.5L
- Water tank material: Plastic
- Storage tank material: Stainless steel
- Weight: 7.3kg

INCLUDED ACCESSORIES

- 1 x plastic hose $\varnothing 32$, 1.5m with detergent gun
- 2 x plastic tubes $\varnothing 32$
- 1 sponge filter
- 1 x HEPA filter
- 1 x crevice nozzle $\varnothing 32$ - 20cm
- 1 x shampoo clean brush
- 1 x wet & dry floor brush $\varnothing 32$
- 1 x spray nozzle
- 1 x paper bag
- 1 x base with wheels



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

20V CORDLESS WET & DRY VACUUM CLEANER, EL-CWD02 59607

FEATURES

- Wet & dry cleaning function
- Cordless, without limitation of power cord
- Small size and light weight

TECHNICAL DATA

- 1 x washable pleated filter
- 1 x crevice nozzle $\varnothing 32$
- 2 x plastic tubes $\varnothing 32$ - 2 x 33cm
- 1 x wet & dry floor brush $\varnothing 32$
- 1 x $\varnothing 32$ sofa nozzle

INCLUDED ACCESSORIES

- Voltage: 20V
- Rated Power: 150W
- Working time with 2Ah battery: 15min
- Working time with 4Ah battery: 30min
- Airflow: $\geq 18\text{L/S}$
- Vacuity: $\geq 9\text{KPa}$
- Filtration: Bagless
- Storage tank material: Plastic
- Weight: 1.35kg

**NOTE: Battery and charger are not included. The product is suitable with battery EL-B64 with catalogue number 59564*



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

20V CORDLESS WET & DRY VACUUM CLEANER 15L, EL-CWD15

59605

FEATURES

- Wet & dry cleaning function
- Cordless, without limitation of power cord
- Universal wheels to be carried everywhere
- Blowing function

TECHNICAL DATA

- Voltage: 20V
- Rated Power: 150W
- Working time with 2Ah battery: 15min
- Working time with 4Ah battery: 30min
- Airflow: $\geq 18L/S$
- Vacuity: $\geq 10KPa$
- Capacity: 15L
- Filtration: Bagless
- Storage tank material: Stainless steel
- Weight: 3.75kg

INCLUDED ACCESSORIES

- 1 x plastic hose $\varnothing 32$ - 1.5m
- 1 x telescopic stainless steel tube $\varnothing 32$
- 1 x sponge filter
- 1 x crevice nozzle $\varnothing 32$ - 20cm
- 1 x wet & dry floor brush $\varnothing 32$
- 1 x HEPA filter
- 1 x big base with wheels

**NOTE: Battery and charger are not included. The product is suitable with battery EL-B64 with catalogue number 59564*



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ASH VACUUM CLEANER 600W 4L, EL-AC04

59604

FEATURES

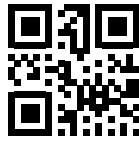
- For fireplaces, wood stoves, pellet stoves and BBQ grills
- Single hand operating
- Small size and light weight

TECHNICAL DATA

- Voltage: 100-240V
- Frequency: 50-60Hz
- Rated Power: 600W
- Airflow: $\geq 1.7m^2/min$
- Vacuity: $\geq 14KPa$
- Noise: $\leq 78dB(A)$
- Capacity: 4L
- Filtration: Bagless
- Storage tank material: Stainless steel
- Weight: 1.4kg

INCLUDED ACCESSORIES

- 1 x metal hose 0.5m
- 1 x curved aluminum tube 20cm
- 1 x washable HEPA filter
- 1 x crevice nozzle



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ASH VACUUM CLEANER 1200W 15L, EL-AC15

59603

FEATURES

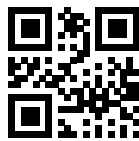
- For fireplaces, wood stoves, pellet stoves and BBQ grills
- High power for excellent suction
- Addition blower for multiple work
- Blowing function
- Flexible hose for multi-angle cleaning
- Washable HEPA filter with high filtration
- Universal wheels for easy moving

TECHNICAL DATA

- Voltage: 100-240V
- Frequency: 50-60Hz
- Rated Power: 1200W
- Airflow: $\geq 1.6\text{m}^2/\text{min}$
- Vacuity: $\geq 16\text{KPa}$
- Noise: $\leq 78\text{dB(A)}$
- Capacity: 15L
- Storage tank material: Stainless steel
- Weight: 3.25kg

INCLUDED ACCESSORIES

- 1 x metal hose $\varnothing 35$, 1.0m
- 1 x washable HEPA filter
- 1 x aluminium tube $\varnothing 35$ - 23cm
- 1 x fireproof clothes bag
- 1 x aluminium nozzle
- 1 x base with wheels



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

20V CORDLESS ASH VACUUM CLEANER 12L, EL-CAC12

59606

FEATURES

- For fireplaces, wood stoves, pellet stoves and BBQ grills
- Flexible hose for multi-angle cleaning
- Cordless, without limitation of power cord
- Blowing function

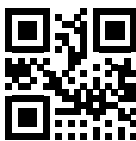
TECHNICAL DATA

- Voltage: 20V
- Rated Power: 150W
- Working time with 2Ah battery: 15min
- Working time with 4Ah battery: 30min
- Airflow: $\geq 18\text{L/S}$
- Vacuity: $\geq 10\text{KPa}$
- Filtration: Bagless
- Capacity: 12L
- Storage tank material: Stainless steel
- Weight: 2.3kg

INCLUDED ACCESSORIES

- 1 x metal hose 0.8m
- 1 x aluminum tube $\varnothing 28$ - 20cm
- 1 x washable HEPA filter

**NOTE: Battery and charger are not included. The product is suitable with battery EL-B64 with catalogue number 59564*



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

OIL-FREE AIR COMPRESSOR 18L, EL-AC18L

59670

APPLICATION

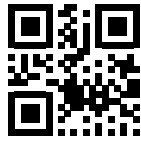
- Suitable to work with multiple air tools such as nailer, paint gun, pneumatic wrench, drill and etc.
- Can be used in home repair, car tire inflation, vehicle cleaning, painting, auto industry, medical industry and etc.

FEATURES

- OIL-FREE Technology
- Low noise and low vibration
- Stable continuous working
- High- efficiency patented cooling system
- Support low voltage start
- Includes quick connect regulator
- Multiple protection devices
- Equipped with electromagnetic valve
- Built-in thermal protection
- Built-out overload protection
- Easy to move with 6 inch wheel

TECHNICAL DATA

- Model: EL-AC18L
- Rated voltage: 220-240V
- Frequency: 50Hz
- Input power: 900W
- Tank capacity: 18L
- Motor speed: 2800rpm
- Flow rate 8bar: 65L/min
- Flow rate 4bar: 100L/min
- Noise level: 70dB
- Gross weight: 15kg



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

OIL-FREE AIR COMPRESSOR 24L, EL-AC24L

59671

APPLICATION

- Suitable to work with multiple air tools such as nailer, paint gun, pneumatic wrench, drill and etc.
- Can be used in home repair, car tire inflation, vehicle cleaning, painting, auto industry, medical industry and etc.

FEATURES

- OIL-FREE Technology
- Low noise and low vibration
- Stable continuous working
- High- efficiency patented cooling system
- Dual air outlets, convenient to supply different tools in the same time
- Includes quick connect regulator
- Multiple protection devices
- Equipped with electromagnetic valve
- Built-in thermal protection
- Built-out overload protection

TECHNICAL DATA

- Model: EL-AC24L
- Rated voltage: 220-240V
- Frequency: 50Hz
- Input power: 1450W
- Tank capacity: 24L
- Motor speed: 2800rpm
- Flow rate 8bar: 95L/min
- Flow rate 4bar: 140L/min
- Noise level: 72dB
- Gross weight: 21.5kg



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

OIL-FREE AIR COMPRESSOR 50L, EL-AC50L

59672

APPLICATION

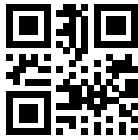
Suitable to work with multiple air tools such as nailer, paint gun, pneumatic wrench, drill and etc.
Can be used in home repair, car tire inflation, vehicle cleaning, painting, auto industry, medical industry and etc.

FEATURES

- OIL-FREE Technology
- Low noise and low vibration
- Stable continuous working
- High- efficiency patented cooling system
- Dual air outlets, convenient to supply different tools in the same time
- Support low voltage start
- Includes quick connect regulator
- Multiple protection devices
- Equipped with electromagnetic valve
- Built-in thermal protection
- Built-out overload protection
- Suitable for professional automotive painting spray gun

TECHNICAL DATA

- Model: EL-AC50L
- Rated voltage: 220-240V
- Frequency: 50Hz
- Input power: 2x1450W
- Tank capacity: 50L
- Motor speed: 2800rpm
- Flow rate 8bar: 190L/min
- Flow rate 4bar: 280L/min
- Noise level: 75dB
- Gross weight: 40kg



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

OIL-FREE AIR COMPRESSOR 100L, EL-AC100L

59673

APPLICATION

- Suitable to work with multiple air tools such as nailer, paint gun, pneumatic wrench, drill and etc.
- Can be used in home repair, car tire inflation, vehicle cleaning, painting, auto industry, medical industry and etc.

FEATURES

- OIL-FREE Technology
- Digital control box
- Delayed start of each motor, effectively reducing the demand on the power supply
- Low noise and low vibration
- Stable continuous working
- High- efficiency patented cooling system
- Support low voltage start
- Includes quick connect regulator
- Multiple protection devices
- Equipped with electromagnetic valve
- Built-in thermal protection
- Built-out overload protection
- Suitable for small workplaces

TECHNICAL DATA

- Model: EL-AC100L
- Frequency: 50Hz
- Input power: 3x1450W
- Tank capacity: 100L
- Motor speed: 2800rpm
- Flow rate 8bar: 280L/min
- Flow rate 4bar: 500L/min
- Noise level: 75dB
- Gross weight: 74kg



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

TIRE INFLATING GUN WITH MANOMETER, EL-TG2

59674

APPLICATION

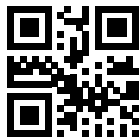
- For inflating motorcycles, cars and truck tires

FEATURES

- High-strength aluminum alloy body
- Stable in quality and durable
- Good hand feeling and flexible and comfortable hose rotation

TECHNICAL DATA

- Model: EL-TG2
- Air inlet: 1/4"
- Rated pressure: 150psi (10bar)
- Max. pressure: 220psi (15bar)
- Pressure range: 0-15bar
- Gun material: Aluminum alloy



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

AIR BLOW GUN, EL-PAG5

59675

APPLICATION

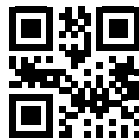
- For remove of debris, non-contact drying and blowing
- It is used in house, laboratories and manufacturing industries

FEATURES

- High-strength aluminum alloy body
- Stable in quality and durable
- Good hand feeling

TECHNICAL DATA

- Model: EL-PAG5
- Air inlet: 1/4"
- Rated pressure: 150psi (10bar)
- Max. pressure: 220psi (15bar)
- Gun material: Aluminum alloy



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

AIR FILTER AND REGULATOR, EL-AFR80

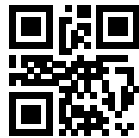
59676

FUNCTION

- Regulator: To control the speed and precision of the flow of liquids and air.
- Filter: cleans the air that travels from the compressor. Scrubs, strains and traps solid particles (dust, dirt, rust) and separates liquids (water, oil) within the compressed air.

TECHNICAL DATA

- Model: EL-AFR80
- Rated flow: 800L/min
- Port size: 1/4"; 3/8"; 1/2"
- Rated pressure: 0-150psi (0-10bar)
- Max. pressure: 220psi (15bar)



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

AIR FILTER, REGULATOR AND LUBRICATOR, EL-AFRL80

59677

FUNCTION

- Regulator: To control the speed and precision of the flow of liquids and air.
- Filter: cleans the air that travels from the compressor. Scrubs, strains and traps solid particles (dust, dirt, rust) and separates liquids (water, oil) within the compressed air.
- Lubricator: A lubricator adds controlled quantities of tool oil into a compressed air system to reduce the friction of moving components. Most air tools, cylinders, valves, air motors, and other air-driven equipment require lubrication to extend their useful life.

TECHNICAL DATA

- Model: EL-AFRL80
- Rated flow: 800L/min
- Port size: 1/4"; 3/8"; 1/2"
- Rated pressure: 0-150psi (0-10bar)
- Max. pressure: 220psi (15bar)



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

EXCELLENT ATOMIZATION SPRAY GUN 1.5MM, EL-W71

59678

APPLICATION

• Wide range of applications for low and medium surface spraying requirements, such as spraying of doors, windows, woodworking, building materials, machinery equipments, industrial, etc.

FEATURES

- Economical and durable, cost-effective
- High quality stainless steel nozzle and needle
- Wear-resistant, the atomization performance remains unchanged under long time use

TECHNICAL DATA

- Model: EL-W71
- Nozzle size: 1.5mm
- Air inlet: 1/4"(bsp/npt/nps)
- Optimal working pressure: 43psi (3.0bar)
- Max. pressure: 57psi (4.0bar)
- Air consumption: 3-4cfm
- Pattern width: 150-190mm
- Spray distance: 200mm
- Cup capacity: 400ml



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ENVIRONMENTAL L.V.M.P. SPRAY GUN 1.4MM, EL-NV1

59679

LVMP TECHNOLOGY: Low Volume Medium Pressure

APPLICATION

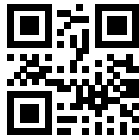
- High paint volume, thick paint film, suitable for technicians who are accustomed to high-efficiency spraying
- Suitable for details which needed fine finishing with more thoroughly coating

FEATURES

- Specially designed for high-frequency working users for long-lasting spraying without fatigue.
- Ergonomic design for precise positioning and easy adjust
- Teflon surface, nonstick and easy to clean.
- High paint transfer efficiency and low paint consumption, economical and environment-friendly.
- 304 stainless steel nozzle and needle, exquisite processing technology, wear-resistant, the atomization performance remains unchanged under long time use
- Paint use efficiency increase 20%

TECHNICAL DATA

- Model: EL-NV1
- Nozzle size: 1.4mm
- Air inlet: 1/4"(bsp/npt/nps)
- Optimal working pressure: 36psi (2.5bar)
- Max. pressure: 50psi (3.5bar)
- Air consumption: 9-11 cfm
- Pattern width: 220-260mm
- Spray distance: 200mm
- Cup capacity: 600ml



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

**ENVIRONMENTAL L.V.M.P. SPRAY GUN 1.8MM, EL-NV1
59680**

LVMP TECHNOLOGY: Low Volume Medium Pressure: Uses a smaller volume of air and produces a medium pressure— which allows the gun to turn paint finishes for finest atomization

APPLICATION

- High paint volume, thick paint film, suitable for technicians who are accustomed to high-efficiency spraying
- Suitable for details with needed fine finishing with more thoroughly coating

FEATURES

- Specially designed for high-frequency working users for long-lasting spraying without fatigue.
- Ergonomic design for precise positioning and easy adjust
- Teflon surface, nonstick and easy to clean.
- High paint transfer efficiency and low paint consumption, economical and environment-friendly.
- 304 stainless steel nozzle and needle, exquisite processing technology, wear-resistant, the atomization performance remains unchanged under long time use
- Paint use efficiency increase 20%

TECHNICAL DATA

- Model: EL-NV1
- Nozzle size: 1.8mm
- Air inlet: 1/4"(bsp/npt/nps)
- Optimal working pressure: 36psi (2.5bar)
- Max. pressure: 50psi (3.5bar)
- Air consumption: 9-11cfm
- Pattern width: 220-260mm
- Spray distance: 200mm
- Cup capacity: 600ml



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ENVIRONMENTAL H.V.L.P. SPRAY GUN 1.4MM, EL-LN1

59681

HVLP TECHNOLOGY: High Volume Low Pressure: Uses a high volume of air, but at a low pressure — which allows the gun to turn paint, stain, varnish, or lacquer into a very fine mist

APPLICATION

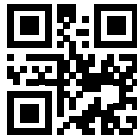
- Medium paint volume, medium paint film, suitable for technicians with general spraying habits.
- Ideal for use on trim, finish work, furniture staining, cabinet painting, and any detailed applications where high-accuracy, speed, and a smooth finish are needed.

FEATURES

- Specially designed for high-frequency working users for long-lasting spraying without fatigue.
- Ergonomic design for precise positioning and easy adjust
- Teflon surface, nonstick and easy to clean.
- High paint transfer efficiency and low paint consumption, economical and environment-friendly.
- 304 stainless steel nozzle and needle, exquisite processing technology, wear-resistant, the atomization performance remains unchanged under long time use
- Paint use efficiency increase 30%

TECHNICAL DATA

- Model: EL-LN1
- Nozzle size: 1.4mm
- Air inlet: 1/4"(bsp/npt/nps)
- Optimal working pressure: 50psi (3.5bar)
- Max. pressure: 57psi (4.0bar)
- Air consumption: 11-12cfm
- Pattern width: 240-270mm
- Spray distance: 200mm
- Cup capacity: 600ml



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ENVIRONMENTAL H.V.L.P. SPRAY GUN SET WITH 1.7MM & 2.0MM NOZZLE, EL-LN1

59682

LVP TECHNOLOGY: High Volume Low Pressure: Uses a high volume of air, but at a low pressure — which allows the gun to turn paint, stain, varnish, or lacquer into a very fine mist.

APPLICATION

- Medium paint volume, medium paint film, suitable for technicians with general spraying habits.
- Ideal for use on trim, finish work, furniture staining, cabinet painting, and any detailed applications where high-accuracy, speed, and a smooth finish are needed.

FEATURES

- Specially designed for high-frequency working users for long-lasting spraying without fatigue.
- Ergonomic design for precise positioning and easy adjust
- Teflon surface, nonstick and easy to clean.
- High paint transfer efficiency and low paint consumption, economical and environment-friendly.
- 304 stainless steel nozzle and needle, exquisite processing technology, wear-resistant, the atomization performance remains unchanged under long time use
- Paint use efficiency increase 30%

TECHNICAL DATA

- Model: EL-LN1
- Nozzle size: 1.7 + 2.0mm
- Air inlet: 1/4"(bsp/npt/nps)
- Optimal working pressure: 50psi (3.5bar)
- Max. pressure: 57psi (4.0bar)
- Air consumption: 11-12cfm
- Pattern width: 240-270mm
- Spray distance: 200mm
- Cup capacity: 600ml



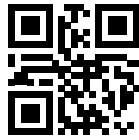
3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CHARGER 12/24V FOR LEAD ACID BATTERIES, EL-20CD

59590

TECHNICAL DATA

- Model: EL-20CD
- Input voltage: 230V
- Charging voltage: 12/24V
- Charging current: 12-16A
- Absorbed power: 220-320W
- Battery capacity: 60-200 Ah
- Ampere meter: built-in
- IP degree: IP20
- Product weight: 6.45kg



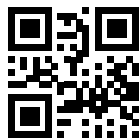
3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

INVERTER CHARGER FOR LEAD ACID BATTERIES 12/24V, EL-10G

59591

TECHNICAL DATA

- Model: EL-10G
- Input voltage: 230V
- Charging voltage: 12/24V
- Charging current: 5-10A
- Absorbed power: 130W
- Battery capacity: 50-300 Ah
- Display: LED with battery power, charging current and voltage parameters
- Automatic charging identification 12 or 24V
- Motorcycle and car charging detection function
- IP degree: IP20
- Product weight: 1.0kg



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

IGBT/MMA INVERTER WELDER 20-140A, 60% DUTY CYCLE

59592

FEATURES

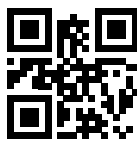
- Long time safety operating at a given amperage- 60% duty cycle
- All-digital and software controlled machine
- Constant power output
- Anti-stick function
- Arc force function
- Hot start function

INCLUDED ACCESSORIES

- 1 x earth clamp 200A with 1m cable
- 1 x electrode holder 200A with 1m cable
- 1 x brush with hammer
- 1 x protective mask

TECHNICAL DATA

- Model: EL-IGBT140
- Input voltage: 230V
- Frequency: 50-60Hz
- Rated input capacity: 4.5KVA
- Power factor: 0.93
- Max. no-load voltage: 60V
- Current range: 20-140A
- Rated duty cycle: 60%
- Usable electrode range: 1.6-3.2mm
- Insulation class: H
- IP degree: IP21
- Power cable length: 1.5m
- Product size: 315x225x265mm
- Product weight: 4.5kg



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

IGBT/MMA INVERTER WELDER 20-180A, 60% DUTY CYCLE 59593

FEATURES

- Long time safety operating at a given amperage- 60% duty cycle
- All-digital and software controlled machine
- Constant power output
- Anti-stick function
- Arc force function
- Hot start function

INCLUDED ACCESSORIES

- 1 x earth clamp 200A with 1m cable
- 1 x electrode holder 200A with 1m cable
- 1 x brush with hammer
- 1 x protective mask

TECHNICAL DATA

- Model: EL-IGBT180
- Input voltage: 230V
- Frequency: 50-60Hz
- Rated input capacity: 6.2KVA
- Power factor: 0.93
- Max. no-load voltage: 60V
- Current range: 20-180A
- Rated duty cycle: 60%
- Usable electrode range: 2.5-4.0mm
- Insulation class: H
- IP degree: IP21
- Power cable length: 1.5m
- Product size: 315x225x265mm
- Product weight: 4.8kg



3 IN 1 MIG/MMA/TIG WELDING INVERTER 20-140A

59595

FEATURES

- Multi purpose welding machine
- With single circuit board (PCB) for higher reliability
- Gas or no gas welding
- With SNY (synergic program)
- With LCD display
- Wide range of working material
- High welding speed
- Better control on thinner metal
- Easy to learn

3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

INCLUDED ACCESSORIES

- 1 x earth clamp 200A with 1.4m cable
- 1 x electrode holder 200A with 1m cable
- 1 x connected MIG torch 1.8m
- 1 x brush with hammer
- 1 x protective mask

TECHNICAL DATA

- Model: EL-MMT140
- Input voltage: 230V
- Frequency: 50-60Hz
- Working voltage: 15.5-20V
- Power factor: 0.73
- Max. no-load voltage: 60V
- Current range: 20-140A
- Rated duty cycle: 40%
- Efficiency: 85%
- Usable electrode range: 1.6-3.2mm
- Insulation class: F
- IP degree: IP21
- Power cable length: 1.5m
- Product size: 418x210x350mm
- Product weight: 13kg

GARDEN MAINTENANCE EQUIPMENT



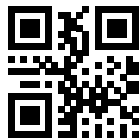


GARDEN TROWEL

598183

TECHNICAL DATA

- Type: Garden trowel
- Material: Carbon steel



GARDEN HAND RAKE

598184

TECHNICAL DATA

- Type: Garden hand rake
- Material: Carbon steel

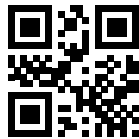


GARDEN SHRUB RAKE

598185

TECHNICAL DATA

- Type: Garden shrub rake
- Material: Carbon steel



GARDEN CULTIVATOR

598186

TECHNICAL DATA

- Type: Garden cultivator
- Material: Carbon steel

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



GARDEN HOE

598187

TECHNICAL DATA

- Type: Garden hoe
- Material: Carbon steel



CRV GARDEN SHEAR 200MM

598180

TECHNICAL DATA

- Type: Garden shear
- Material: Chrome vanadium steel
- Size: 200mm

CrV



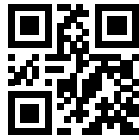
TREE PRUNER

598182

TECHNICAL DATA

- Type: Tree pruner
- Blade material: High carbon steel
- Saw blade width: 65mm
- Handle: Telescopic steel handle with foam grip

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



HANDSAW 400MM

598188

TECHNICAL DATA

- Type: Handsaw
- Saw blade material: Durable high carbon steel with impulse hardened teeth
- Material: ABS plastic handle with rubber grip absorbs vibration while cutting
- Size: 400mm



HANDSAW 150MM

598189

TECHNICAL DATA

- Type: Handsaw
- Saw blade material: Durable high carbon steel with impulse hardened teeth
- Size: 150mm



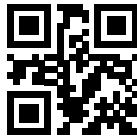
PRUNING SAW 300MM

598190

TECHNICAL DATA

- Type: Pruning saw
- Saw blade material: Durable high carbon steel with impulse hardened teeth
- Material: ABS plastic handle with rubber grip absorbs vibration while cutting
- Size: 300mm

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



FIBERGLASS HANDLE AXE 1000G

598354

TECHNICAL DATA

- Head material: Heat treated carbon steel
- Handle material: Fiberglass
- Blade hardness: HRC 47-57
- Weight: 1000g



FIBERGLASS HANDLE AXE 1500G

598355

TECHNICAL DATA

- Head material: Heat treated carbon steel
- Handle material: Fiberglass
- Blade hardness: HRC 47-57
- Weight: 1500g

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ELECTRIC CHAIN SAW 2400W, EL-157

59570

FEATURES

- Window for viewing oil level
- Metal gear, long life
- Automatic oiling system
- Soft start
- Tool-Free Tensioning
- Comfortable handle with rubber
- Double safety brake

TECHNICAL DATA

- Rated Voltage: 230V
- Rated Frequency: 50Hz
- Input Power: 2400W
- Bar Length: 457mm
- Double Safety Brake: Yes
- Auto Lubricate: Yes
- Chain Speed: 13.1m/s
- Chain Size: 18" 3/8 050 63links
- Brake Time: <0.12s
- Max Cutting Length: 440mm
- Dimension: 565x360x235mm
- Cable length: 250mm\



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ELECTRIC GRASS TRIMMER 300W, EL-229

59572

FEATURES

- Small body, easy to operate
- High speed, bump feed

TECHNICAL DATA

- Rated Voltage: 230V
- Rated Frequency: 50Hz
- Input Power: 300W
- No-load Spool Speed: 1100rpm
- Max Cutting Length: 220mm
- Nylon Diameter: 1.2mm
- Line Length: 6m
- Cable length: 250mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ELECTRIC GRASS TRIMMER 550W, EL-222

59573

FEATURES

- Various angle adjust handle
- High speed, bump feed
- Rotary head to 180 degree
- Trimming and edging function for choosing

TECHNICAL DATA

- Rated Voltage: 230V
- Rated Frequency: 50Hz
- Input Power: 550W
- No-load Spool Speed: 10000rpm
- Max Cutting Length: 300mm
- Nylon Diameter: 1.6mm
- Line Length: 5m
- Dimension: 880x220x110mm
- Cable length: 250mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ELECTRIC LAWN MOWER 1200W, EL-109

59571

FEATURES

- Adjustable foldable handle
- Adjustable wheels with 3 settings: 25/45/65mm
- Catcher with dust-free cloth

TECHNICAL DATA

- Rated Voltage: 230V
- Rated Frequency: 50Hz
- Input Power: 1200W
- No-load Speed: 3100rpm
- Cutting height: 25/45/62mm
- Max Cutting Length: 320mm
- Dimension: 605x380x280mm



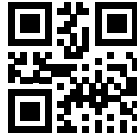
3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CORDED LAWN MOVER EL-LM45

59545

TECHNICAL DATA

- Power: 1600W
- Material: PP; ABS and manganese steel
- Cutting diameter: 32cm
- No-load speed: 3300-3600r/min
- 3 gear to adjust the height: 25; 45 and 65mm
- 30L large capacity dust collecting box
- Weight: 7.85kg

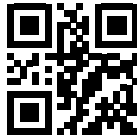


3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CORDED LEAF VACUUM EL-LV47
59547

TECHNICAL DATA

- Power: 3000W
- No-load speed: 9000-14000r/min
- Air volume: 13.2m³/min
- Wind speed: 270km/h
- Dust collection bag: 40L (include 1pc Dust collecting bag)
- Weight: 2.9kg
- Product size: 1200mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

ELECTRIC GARDEN SHREDDER 2600W 50L, EL-EGS001
59617

TECHNICAL DATA

- Ratted voltage: 230V/ 50Hz
- Power: 2600W
- No-load speed: 4500r/min
- Cutting diameter: 45mm
- Box capacity: 50L
- SK5 shredder blade
- Overload protection switch
- Double action switch
- Cable length: 0.35m

INCLUDED ACCESSORIES

- 1 x dust bag
- 1 x auxiliary handle soft rubber
- 1 x S5 hexagonal bond
- 2 x S-connectors
- 1 x dust collection tube 2m
- 6 x sandpaper



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

Li-ion

*EL-CCS65 is compatible with battery EL-B64 with catalogue number 59564

21V CORDLESS CHAIN SAW EL-CCS65 + PLASTIC CASE, SET 59565

TECHNICAL DATA

Voltage: 21V
Charging time: 2h
Battery capacity: 1500mAh Li-ion
No-load speed: 360r/min
Cutting length: 200mm
Blade diameter: 20mm
Function: Charge protection; battery replaceable

THE SET INCLUDES

- 1 chain saw;
- 1 battery;
- 1 battery charger.



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

Li-ion

*EL-CCS66 is compatible with battery EL-B64 with catalogue number 59564

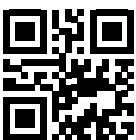
21V CORDLESS CHAIN SAW EL-CCS66 59566

TECHNICAL DATA

- Voltage: 21V
- Charging time: 2h
- Battery capacity: 1500mAh Li-ion
- No-load speed: 2950r/min
- Cutting length: 305mm
- No-load current: 5.5A
- Function: Charge protection; battery replaceable

THE SET INCLUDES

- 1 chain saw;
- 1 battery;
- 1 battery charger;
- 1 handle;
- 1 baffle;
- 1 socket wrench.



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

20V CORDLESS HEDGE TRIMMER, EL-107 59575

FEATURES

- ±90°Adjustable handle
- 450mm laser blade, more durable
- Handle covered with rubber, comfortable to use

TECHNICAL DATA

- Rated Voltage: 20V
- No-load Speed: 3000rpm
- Max. Cutting Width: 16mm
- Cutting Length: 450mm
- Cutting Time: 30-35min
- Battery Charge Time: 1h
- Battery capacity: 2Ah
- 1 Battery and 1 battery charger: Included
- Dimension: 952x256x222mm



Li-ion



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

21V CORDLESS LAWN MOWER EL-CLM69
59569

TECHNICAL DATA

- Voltage: 21V
- Cutting diameter: 150mm
- Charging time: 1.4h
- Charging output: 1.3A
- Battery capacity: 2000mAh Li-ion
- No-load speed: 9500r/min
- No-load working time: 110-140min
- Motor type: Carbon brush
- No-load current: 5.5A
- Function: Charge protection; battery replaceable
- Length: 885mm
- Weight: 1.360kg

THE SET INCLUDES

- 1 lawn mower;
- 1 battery and 1 battery charger;
- 2 metal blades and 5 plastic blades;
- 1 circular saw;
- 1 auxiliary handle

**EL-CLM69 is compatible with battery EL-B64 with catalogue number 59564*



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

20V CORDLESS GRASS TRIMMER WITH BATTERY AND CHARGER, EL-220
59576

FEATURES

- The handle can be rotated 180 °
- With trimmer function
- The tube can be float in three parts
- Single Line
- Concealed buttonhole

TECHNICAL DATA

- Rated Voltage: 20V
- No-load Speed: 8500rpm
- Cutting Time: 15-20min
- Battery Charge Time: 1h
- Battery capacity: 2Ah
- 1 Battery and 1 battery charger: Included
- Dimension: 615x180x140mm



or





3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

20V+20V BRUSHLESS LAWN MOWER WITH 2 BATTERY AND CHARGER, EL-107

59574

FEATURES

- Brushless motor for longer life time, lower noise
- Central height adjustment, 6 settings
- Foldable handle easy for storage
- Quick release clamps
- Rotation handle make work more comfortable
- Safety key to avoid children use
- With mulching function
- With grass catcher indicator

TECHNICAL DATA

- Rated Voltage: 20V+20V
- No-load Speed: 8500rpm
- Cutting Height: 5 Settings from 25-75mm
- Max Cutting Length: 400mm
- Battery capacity: 2 x 4Ah
- 2 Battery and 1 double battery charger: Included
- Grass box volume: 55l

RoHS
COMPLIANT



HIGH PRESSURE WASHERS & WATER PUMPS





3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

HIGH PRESSURE WASHER 1200W, EL-215HPW

59577

FEATURES

- 3 Axial-plunger wobble-plate pump
- Tempered stainless steel plunger
- Total stop system
- Self-resetting thermal protector
- Quick-connect accessories
- Portable design with handle

SET INCLUDES

- High pressure washer
- Spray gun with adjustable spray nozzle
- Power cord with plug
- High pressure hose with filter 5m
- Water inlet quick connector
- Nozzle cleaning pin

TECHNICAL DATA

- Model: EL-215HPW
- Voltage: 220-240 AC
- Frequency: 50/60Hz
- Power: 1200W
- Rated pressure: 70 bar
- Max. pressure: 100 bar
- Rated flow: 5.5L/min
- Max. flow: 6.5L/min
- Motor type: Carbon Brush Motor
- Cable length: 5m



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

MINI HIGH PRESSURE WASHER 1600W, EL-511HPW

59578

FEATURES

- 3 Axial-plunger wobble-plate pump
- Tempered stainless steel plunger
- Total stop system
- Self-resetting thermal protector
- Quick-connect accessories
- Portable design with handle

SET INCLUDES

- High pressure washer
- High Pressure Gun
- 0°, 15°, 25°, 40° and chemical nozzle
- Power cord with plug
- High pressure hose with filter 5m
- Water inlet quick connector
- Nozzle cleaning pin

TECHNICAL DATA

- Model: EL-511HPW
- Voltage: 220-240 AC
- Frequency: 50/60Hz
- Power: 1600W
- Rated pressure: 90 bar
- Max. pressure: 130 bar
- Rated flow: 6.0L/min
- Max. flow: 7.0L/min
- Motor type: Carbon Brush Motor
- Cable length: 5m



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

CORDLESS HIGH PRESSURE WASHER

59579

FEATURES

- IPX5 waterproof battery pack
- Ergonomic and user-friendly design
- Total stop system
- High-efficiency cleaning performance
- Multiple safety protection

SET INCLUDES

- High Pressure Cordless Gun
- High pressure hose with filter 5m
- 1 pc 20V 2.0Ah Battery
- 1 pc Charger

TECHNICAL DATA

- Model: EL-101CHPW
- Power: 200W
- Battery: 20V, 2Ah
- Rated pressure: 25 bar
- Max. pressure: 40 bar
- Rated flow: 2.2L/min
- Max. flow: 3.0L/min
- Net weight: 2.43kg
- Dimension (LxWxH): 342x278x65



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

HIGH PRESSURE WASHER 1400W, EL-203HPW

59580

FEATURES

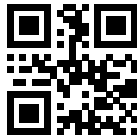
- 3 Axial-plunger wobble-plate pump
- Tempered stainless steel plunger
- Total stop system
- Self-resetting thermal protector
- Quick-connect accessories
- Portable design with handle

SET INCLUDES

- High pressure washer
- Spray gun with adjustable spray nozzle
- Power cord with plug
- High pressure hose with filter 5m
- Water inlet quick connector
- Nozzle cleaning pin

TECHNICAL DATA

- Model: EL-203HPW
- Voltage: 220-240 AC
- Frequency: 50/60Hz
- Power: 1400W
- Rated pressure: 80 bar
- Max. pressure: 110 bar
- Rated flow: 5.5L/min
- Max. flow: 6.5L/min
- Motor type: Carbon Brush Motor
- Cable length: 5m



HIGH PRESSURE WASHER 1800W, EL-502HPW

59581

FEATURES

- 3 Axial-plunger wobble-plate pump
- Tempered stainless steel plunger
- Total stop system
- Self-resetting thermal protector
- Quick-connect accessories
- Equipped with wheels and handle

SET INCLUDES

- High pressure washer
- Spray gun with adjustable spray nozzle
- Power cord with plug
- High pressure hose with filter 5m
- Water inlet quick connector
- Nozzle cleaning pin
- Built-in detergent tank

TECHNICAL DATA

- Model: EL-502HPW
- Voltage: 220-240 AC
- Frequency: 50/60Hz
- Power: 1800W
- Rated pressure: 100 bar
- Max. pressure: 140 bar
- Rated flow: 6.0L/min
- Max. flow: 7.0L/min
- Motor type: Carbon Brush Motor
- Cable length: 5m

3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

HIGH PRESSURE ACCESSORIES

59582

SOAP BOTTLES 400ML



59583

ROTATING BRUSH KIT



59584

BRUSH KIT



59585

CAR WHEEL BRUSH





3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

**SELF-PRIMING WATER PUMP FOR CLEAR WATER 550W
59650**

APPLICATION

- Water gardens, orchards, farm irrigation and so on

TECHNICAL DATA

- Model: EL-JP80
- Rated voltage: 230V
- Power: 550W
- Max. head: 40m
- Max. flow: 45L/min
- Max suction: 9m
- Max solid impurity: 0.1%
- Water temperature: 0-85°
- Inlet / Outlet diameter: 1 x 1" (25 x 25mm)
- Insulation class: F
- IP degree: IP54



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

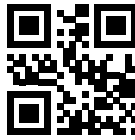
**SELF-PRIMING WATER PUMP FOR CLEAR WATER 750W
59651**

APPLICATION

- Water gardens, orchards, farm irrigation and so on
- Designed for clear water

TECHNICAL DATA

- Model: EL-JP100
- Rated voltage: 230V
- Power: 750W
- Max. head: 50m
- Max. flow: 60L/min
- Max suction: 9m
- Max solid impurity: 0.1%
- Water temperature: 0-85°
- Inlet / Outlet diameter: 1 x 1" (25 x 25mm)
- Insulation class: F
- IP degree: IP54



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

AUTOMATIC SELF-PRIMING WATER PUMP FOR CLEAR WATER WITH 24L PRESSURE STAINLESS STEEL TANK 550W, EL-80S

59652

APPLICATION

- Irrigation, domestic water supply and pressure boosting, as well as for water supply under constant pressure
- Designed for clear water

TECHNICAL DATA

- Model: EL-80S
- Rated voltage: 230V
- Power: 550W
- Max. head: 40m
- Max. flow: 45L/min
- Max suction: 9m
- Max solid impurity: 0.1%
- Water temperature: 0-85°
- Pump head material: Stainless steel
- Inlet / Outlet diameter: 1 x 1" (25 x 25mm)
- Insulation class: F
- IP degree: IP54



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

AUTOMATIC SELF-PRIMING WATER PUMP FOR CLEAR WATER WITH 24L PRESSURE STAINLESS STEEL TANK 750W, EL-100S

59653

APPLICATION

- Irrigation, domestic water supply and pressure boosting, as well as for water supply under constant pressure
- Designed for clear water

TECHNICAL DATA

- Model: EL-100S
- Rated voltage: 230V
- Power: 750W
- Max. head: 50m
- Max. flow: 60L/min
- Max suction: 9m
- Max solid impurity: 0.1%
- Water temperature: 0-85°
- Pump head material: Stainless steel
- Inlet / Outlet diameter: 1 x 1" (25 x 25mm)
- Insulation class: F
- IP degree: IP54



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

SUBMERSIBLE WATER PUMP FOR CLEAR WATER WITH FLOAT SWITCH 550W, EL-QDX3

59654

APPLICATION

- Water gardens, orchards, farm irrigation, aquaculture, fish ponds
- Designed for clear water with PH: 6.5-8.5

TECHNICAL DATA

- Model: EL-QDX3
- Rated voltage: 230V
- Power: 550W
- Max. head: 18m
- Max. flow: 8m³/h
- Max depth: 5m
- Max solid impurity: 0.1%
- Max water temperature: 40°
- Outlet diameter: 1" (25mm)
- Insulation class: F
- IP degree: IP54
- Cable length: 8m



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

SUBMERSIBLE WATER PUMP FOR CLEAR WATER WITH FLOAT SWITCH 750W, EL-QDX10

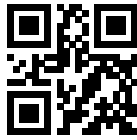
59655

APPLICATION

- Water gardens, orchards, farm irrigation, aquaculture, fish ponds
- Designed for clear water with PH: 6.5-8.5

TECHNICAL DATA

- Model: EL-QDX10
- Rated voltage: 230V
- Power: 750W
- Max. head: 16m
- Max. flow: 20m³/h
- Max depth: 5m
- Max solid impurity: 0.1%
- Max water temperature: 40°
- Outlet diameter: 1" (25mm)
- Insulation class: F
- IP degree: IP54
- Cable length: 8m



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

SUBMERSIBLE SEWAGE WATER PUMP FOR DIRTY WATER WITH FLOAT SWITCH 750W, EL-WQCD10

59656

APPLICATION

- Designed for dirty water with PH: 4-10

TECHNICAL DATA

- Model: EL-WQCD10
- Rated voltage: 230V
- Power: 750W
- Max. head: 10m
- Max. flow: 10m³/h
- Max depth: 5m
- Max solid impurity: 2%
- Water temperature: 0-40°
- Outlet diameter: 2" (50mm)
- With thermal protection
- Insulation class: F
- IP degree: IP54
- Cable length: 8m



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

SUBMERSIBLE SEWAGE WATER PUMP FOR DIRTY WATER WITH FLOAT SWITCH 1100W, EL-V1100

59657

APPLICATION

- Designed for dirty water with PH: 4-10
- For sludge transfer

TECHNICAL DATA

- Model: EL-V1100
- Rated voltage: 230V
- Power: 1100W
- Max. head: 12m
- Max. flow: 18m³/h
- Max depth: 5m
- Max solid impurity: 2%
- Water temperature: 0-40°
- Outlet diameter: 2" (50mm)
- With thermal protection
- Insulation class: F
- IP degree: IP54
- Cable length: 8m



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

**VIBRATION WATER PUMP FOR CLEAR WATER 280W
59658**

APPLICATION

- Water gardens, orchards, farm irrigation and so on
- Designed for clear water with PH: 6.5-8.5

TECHNICAL DATA

- Model: EL-VMP60
- Rated voltage: 230V
- Power: 280W
- Max. head: 70m
- Max. flow: 18L/min
- Max depth: 5m
- Max solid impurity: 0.1%
- Water temperature: 0-40°
- Outlet diameter: 1" (25mm)
- Insulation class: F
- IP degree: IPX8
- Cable length: 10m



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

**IRRIGATION DEEP WELL CLEAR WATER PUMP 750W,
EL-SKM100
59659**

APPLICATION

- Designed for clear water
- Gardens watering, orchids, irrigation as well as for domestic water supply.
- To lift water from well or reservoir

TECHNICAL DATA

- Model: EL-SKM100
- Rated voltage: 230V
- Power: 750W
- Max. head: 60m
- Max. flow: 2.7m³/h
- Max depth: 5m
- Max solid impurity: 0.5%
- Water temperature: 0-40°
- Outlet diameter: 1" (25mm)
- Cable length: 15m



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

**IRRIGATION DEEP WELL CLEAR WATER PUMP 1000W,
EL-SKM150
59660**

APPLICATION

- Designed for clear water
- Gardens watering, orchids, irrigation as well as for domestic water supply.
- To lift water from well or reservoir

TECHNICAL DATA

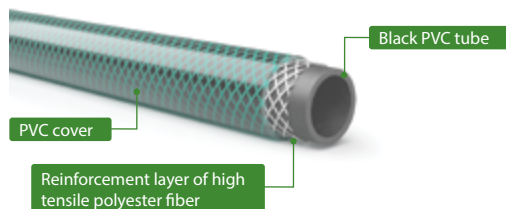
- Model: EL-SKM150
- Rated voltage: 230V
- Power: 1000W
- Max. head: 60m
- Max. flow: 2.7m³/h
- Max depth: 5m
- Max solid impurity: 0.5%
- Water temperature: 0-40°
- Outlet diameter: 1" (25mm)
- Cable length: 15m

GARDEN WATERING





2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



THREE LAYERED PVC GARDEN HOSES

CONSTRUCTION






- Layer 1: Black PVC tube
- Layer 2: Reinforcement layer of high tensile polyester fiber
- Layer 3: PVC cover

CHARACTERISTIC

- High pressure resistance
- No leakage
- Twist and knot resistant
- Anti-abrasion
- UV resistant with long working life
- Non toxic without odor
- Light weight, flexible and easy to coil
- Working temperature: from -10° to 65°C

APPLICATION

- Garden watering
- Car washing
- Household and garden cleaning

Catalogue number	Length (m)	Inner diameter (inch)	Inner diameter (mm)	Outer diameter (mm)	Working pressure (bar)	Burst pressure (bar)	Colour
81200/B	10	1/2"	12	16	7	21	 Blue with green strips
81201/O	20	1/2"	12	16	7	21	 Orange with grey strip
81202/Y	30	1/2"	12	16	7	21	 Yellow with grey strip
81203/O	15	3/4"	19	24	5	15	 Orange with black strip
81204/G	30	3/4"	19	24	5	15	 Green



EMPTY HOSE REEL 30M

81236

TECHNICAL DATA

- Material: Aluminum & Plastic
- Suitable for hoses with diameter: 1/2" (12mm); 5/8" (15mm) and 3/4" (19mm)
- 1/2" storage hose length: 30m
- 5/8" storage hose length: 25m
- 3/4" storage hose length: 15m
- Product size: 540 x 330 x 340mm

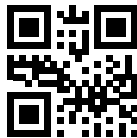


EMPTY HOSE REEL WITH WHEELS 60M

81237

TECHNICAL DATA

- Material: Aluminum & Plastic
- Suitable for hoses with diameter: 1/2" (12mm); 5/8" (15mm) and 3/4" (19mm)
- 1/2" storage hose length: 60m
- 5/8" storage hose length: 50m
- 3/4" storage hose length: 35m
- Product size: 770 x 270 x 540mm



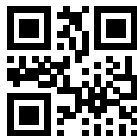
MINI SPRINKLER WITH SPIKE, 1/2"

81220

Spike sprinklers are a great option for specific irrigation and watering needs as they enable you to focus watering on particular areas of your garden with ease. Easily insert the sprinkler into soil and let its natural spray keep lawns moist.

TECHNICAL DATA

- Material: PP
- Size: 1/2" (12mm)



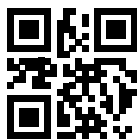
8- PATTERN SPRINKLER, 1/2"

81221

This product has 8 spray patterns and brings the water exactly where you need it. Spray-pattern dial has a comfortable grip for easy pattern selection. The design of the sprinkler base ensures it stays in place.

TECHNICAL DATA

- Material: PP
- Size: 1/2" (12mm)



ADJUSTABLE HOSE NOZZLE

81222

Made from high quality materials and is perfect for cleaning, watering small areas and washing soap suds off of your car. Allows water spray to be adjusted from an OFF position through to the various spray patterns. It has two spray patterns – cone spray for delicate watering and powerful jet for cleaning.

TECHNICAL DATA

- Material: PP
- Size: 1/2" (12mm)





COUPLING WITH SWITCH, 1/2"

81223

It's used for connecting garden hoses with the possibility of stopping the water supply.

TECHNICAL DATA

- Material: PP
- Size: 1/2" (12mm)



TWO WAY TAP ADAPTOR WITH VALVE, 3/4"

81224

It's for the splitting of one water routes on two with the possibility of stopping the water supply.

TECHNICAL DATA

- Material: PP
- Size: 3/4" (19mm)



QUICK LOCKING HOSE CONNECTOR, 1/2"

81225

It allows ease connect or release to garden hose, sprinkler, hose nozzle, spray nozzles, pressure washer or any other garden accessory.

TECHNICAL DATA

- Material: PP
- Size: 1/2" (12mm)



QUICK LOCKING HOSE CONNECTOR, 3/4"

81226

It allows ease connect or release to garden hose, sprinkler, hose nozzle, spray nozzles, pressure washer or any other garden accessory.

TECHNICAL DATA

- Material: PP
- Size: 3/4" (19mm)





RUBBER WATER STOP HOSE CONNECTOR, 1/2"

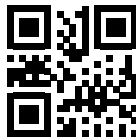
81235

It allows ease connect or release to garden hose, sprinkler, hose nozzle, spray nozzles, pressure washer or any other garden accessory. The higher quality of the materials guarantee a longer lifespan of the product, with intensive use.



TECHNICAL DATA

- Material: ABS+Thermoplastic polyurethane (TPU)
- Size: 1/2" (12mm)
- Stop function: It stops the water automatically when the irrigation accessory is detached. When an accessory is reconnected, water flows from the hose again.



RUBBER WATER STOP HOSE CONNECTOR, 3/4"

81234

It allows ease connect or release to garden hose, sprinkler, hose nozzle, spray nozzles, pressure washer or any other garden accessory. The higher quality of the materials guarantee a longer lifespan of the product, with intensive use.



TECHNICAL DATA

- Material: ABS+Thermoplastic polyurethane (TPU)
- Size: 3/4" (19mm)
- Stop function: It stops the water automatically when the irrigation accessory is detached. When an accessory is reconnected, water flows from the hose again.



HOSE MENDER, 1/2"

81227

Hose Mender is ideal for repairing a damaged hose or for length extension. This hose repair connector is also suitable for joining two 1/2 inch hoses together for a permanent connection, or for connecting two hoses with small lengths.



TECHNICAL DATA

- Material: PP
- Size: 1/2" (12mm)



HOSE MENDER, 3/4"

81228

Hose Mender is ideal for repairing a damaged hose or for length extension. This hose repair connector is also suitable for joining two 3/4 inch hoses together for a permanent connection, or for connecting two hoses with small lengths.



TECHNICAL DATA

- Material: PP
- Size: 3/4" (19mm)



HOSE MENDER, 1/2 TO 3/4"

81229

This hose connector is also suitable for joining two hoses 1/2 and 3/4 together for a permanent connection.



TECHNICAL DATA

- Material: PP
- Size: 1/2" & 3/4" (12mm & 19mm)



TAP ADAPTOR, 1/2 & 3/4"

81230

Allows a garden hose to be safely connected to your water tap, whether the tap size is 1/2 or 3/4



TECHNICAL DATA

- Material: PP
- Size: 1/2" & 3/4" (12mm & 19mm)



TWO-WAY HOSE CONNECTOR, 3/4"

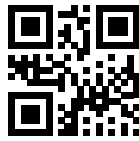
81231

Two-way (I) connector is suitable for extending 19 mm (3/4 inch) hoses.



TECHNICAL DATA

- Material: PP
- Size: 3/4" (19mm)



THREE-WAY HOSE CONNECTOR, 3/4"

81232

Three-way (Y) connector is suitable for branching 19 mm (3/4 inch) hoses for simultaneously watering two different places in the garden.



TECHNICAL DATA

- Material: PP
- Size: 3/4" (19mm)



GARDEN WATER TIMER 0-120MIN

81233

STANDARD OR DRIP IRRIGATION

This irrigation timer offers the possibility of connecting two types garden hoses - both standard and drip.

This allows you to precisely manually set the watering time for a specific area and it's a perfect solution not only for irrigation of gardens, but also for plants and vegetables in greenhouses.



FUNCTION

- Thanks to the built-in irrigation controller, you can plan how long the water should run in the selected place.
- At the end of the set time, the system automatically stops the water supply, so you don't have to worry about overconsumption.
- No need grid connection or batteries
- Easy to install and use.

TECHNICAL DATA

- Full time range: 0-250min
- Time setting steps: 15min
- Includes adaptor: 1 to 3/4"



AGRICULTURE IRRIGATION PIPE

81242

PE agriculture irrigation pipe can be used in combination with drop arrows for potted plants and in micro drip systems for plants with unequal spacing between them. Widely used in micro-irrigation garden projects. This kind of irrigation can reduce the humidity in the greenhouse and reduce the disease of crops. It is especially suitable for the use of garden plants and crops.



FEATURES

- Roll packing for easy installation, store and removal
- Low cost investment and maintenance cost
- Effectively prevent the growth of the moss
- Anti-aging, ultraviolet resistance and long service life.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Outer diameter: 16mm
- Inner diameter: 14.8mm
- Thickness: 1.2mm
- Working pressure: 4bar
- Roll length: 50m



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

ROUND EMITTER DRIP PIPE

81241

Drip irrigation is a highly efficient method of watering plants and crops by delivering water directly to the roots of individual plants or along the root zone through a network of tubing, pipes, and emitters.

DRIP IRRIGATION FEATURES

- **Precise water delivery:** Drip irrigation allows for precise control over the amount of water delivered to each plant. This precision reduces water wastage and ensures that plants receive the optimal amount of moisture they need.
- **Water conservation:** Drip irrigation is one of the most water-efficient irrigation methods available. By delivering water directly to the root zone, it minimizes evaporation and runoff, making it ideal for arid regions or areas with water scarcity.
- **Reduced weed growth:** Since water is targeted directly at the plants, the surrounding soil stays relatively dry, which discourages weed growth. This helps reduce the need for herbicides and manual weeding.
- **Minimized disease spread:** Drip irrigation keeps the foliage of plants dry, which can help prevent the spread of diseases caused by wet leaves. This feature is particularly important in preventing fungal and bacterial diseases in crops.
- **Fertilizer application:** Drip irrigation systems can incorporate fertilizer injectors or fertigation systems to deliver nutrients directly to the root zone along with water. This ensures efficient nutrient uptake by plants.
- **Scalability:** Drip irrigation systems can be easily customized and expanded to accommodate different types of plants and varying field sizes. They can be used in gardens, orchards, vineyards, and row crops.
- **Soil and terrain adaptability:** Drip systems can be adapted to different soil types and terrains, making them versatile for a wide range of agricultural and horticultural applications.
- **Reduced soil erosion:** By delivering water slowly and gently, drip irrigation reduces soil erosion, which can be a concern in traditional surface irrigation methods.
- **Energy efficiency:** Drip irrigation typically requires less energy compared to other irrigation methods like sprinklers or flood irrigation, which often rely on pumps or high-pressure systems.
- **Automation and control:** Drip irrigation systems can be easily automated with timers and sensors, allowing for precise control over watering schedules and adapting to changing weather conditions.
- **Improved crop yields and quality:** Because plants receive consistent and uniform moisture and nutrients, drip irrigation can lead to improved crop yields and better-quality produce.
- **Environmental benefits:** The efficient use of water and reduced chemical runoff associated with drip irrigation can have positive environmental impacts by conserving water resources and reducing the pollution of nearby water bodies.

PRODUCT FEATURES

- Roll packing for easy installation, store and removal
- Low cost investment and maintenance cost
- Effectively prevent the growth of the moss
- Anti-aging, chemical proof, ultraviolet resistance and long service life.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Outer diameter: 16mm
- Inner diameter: 15.2mm
- Thickness: 0.8mm
- Distance between drippers: 300mm
- Roll length: 50m
- Roll weight: 4kg





2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

PIPE GUIDE FOR ROUND EMITTER DRIP PIPE Ø16MM, 5PCS SET

81244

A pipe guide for a round emitter drip pipe is typically used in irrigation systems, particularly in agriculture and landscaping, to ensure that the round emitter drip pipe is properly positioned and secured in place.

FUNCTION

- **Support:** Pipe guides provide support to the drip pipe, preventing it from sagging or shifting due to the weight of water and soil pressure. This ensures that water is evenly distributed to the plants along the length of the pipe.
- **Prevent Movement:** In windy conditions or when disturbed by animals or human activities, drip pipes can move or shift. Pipe guides help prevent this movement, ensuring that the pipe stays in place and doesn't disconnect or damage the emitters.
- **Stability:** They contribute to the stability and durability of the irrigation system by holding the drip pipe securely in place, reducing the risk of damage to the pipe, connectors, or emitters.
- **Ease of Maintenance:** When maintenance or repair of the drip system is required, pipe guides make it easier to locate and access the drip pipe, reducing the time and effort required for maintenance tasks.

TECHNICAL DATA

- **Material:** Polyethylene (PE)
- Suitable for all pipes with outer diameter of 16mm
- 5 PCS, SET





2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP PIPE I-CONNECTOR WITH VALVE, 5PCS SET

81245

Drip pipe connector with a valve is a valuable component in drip irrigation systems, allowing for easy and flexible connections between sections of drip tubing or hoses while enabling rotation to adjust the direction of water flow.

This flexibility simplifies the installation process and helps ensure efficient and precise watering of plants in a garden, field, or landscape.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable for all pipes with outer diameter of 16mm
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP PIPE TO 1/2" TAP CONNECTOR WITH VALVE, 5PCS SET

81259

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable for all pipes with outer diameter of 16mm
- Tap size: 1/2"(12mm)
- 5 PCS, SET



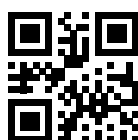
2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP PIPE TO 1/2" TAP CONNECTOR, 5PCS SET

81246

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable for all pipes with outer diameter of 16mm
- Tap size: 1/2"(12mm)
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP PIPE TO 3/4" TAP CONNECTOR, 5PCS SET

81247

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable for all pipes with outer diameter of 16mm
- Tap size: 3/4"(19mm)
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP PIPE I-CONNECTOR, 5PCS SET

81248

Drip pipe connector facilitate the assembly, extension, repair, customization, and efficient operation of a drip irrigation system. It allows you to create a network of tubing and components that delivers water precisely to the root zones of plants, promoting water conservation and healthy plant growth.

FUNCTION

- **Connection:** To join or connect different sections of drip tubing or agriculture irrigation pipes together. It provides a secure and leak-free connection between two pieces of drip tubing or between drip tubing and other irrigation components
- **Extension:** Connectors can be used to extend the length of drip tubing. If your original tubing isn't long enough to reach a specific area, a connector allows you to attach additional tubing to reach the desired location.
- **Repair:** Connectors are valuable for repairing damaged sections of drip tubing. If a section of tubing is cut or damaged, you can use a connector to splice the tubing back together, restoring the integrity of the system without having to replace the entire length of tubing.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable for all pipes with outer diameter of 16mm
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP PIPE L-CONNECTOR, 5PCS SET

81249

Drip pipe connector facilitate the assembly, extension, repair, customization, and efficient operation of a drip irrigation system. It allows you to create a network of tubing and components that delivers water precisely to the root zones of plants, promoting water conservation and healthy plant growth.

FUNCTION

- **Connection:** To join or connect different sections of drip tubing or agriculture irrigation pipes together. It provides a secure and leak-free connection between two pieces of drip tubing or between drip tubing and other irrigation components
- **Extension:** Connectors can be used to extend the length of drip tubing. If your original tubing isn't long enough to reach a specific area, a connector allows you to attach additional tubing to reach the desired location.
- **Repair:** Connectors are valuable for repairing damaged sections of drip tubing. If a section of tubing is cut or damaged, you can use a connector to splice the tubing back together, restoring the integrity of the system without having to replace the entire length of tubing.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable for all pipes with outer diameter of 16mm
- Tap size: 1/2"(12mm)
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP PIPE T-CONNECTOR, 5PCS SET

81250

Drip pipe connector facilitate the assembly, extension, repair, customization, and efficient operation of a drip irrigation system. It allows you to create a network of tubing and components that delivers water precisely to the root zones of plants, promoting water conservation and healthy plant growth.

FUNCTION

- **Connection:** To join or connect different sections of drip tubing or agriculture irrigation pipes together. It provides a secure and leak-free connection between two pieces of drip tubing or between drip tubing and other irrigation components
- **Branching:** Connectors can be used to create branches in the irrigation system. For instance, you can split one main drip tubing into multiple lines using connectors to deliver water to different areas or rows of plants.
- **Extension:** Connectors can be used to extend the length of drip tubing. If your original tubing isn't long enough to reach a specific area, a connector allows you to attach additional tubing to reach the desired location.
- **Repair:** Connectors are valuable for repairing damaged sections of drip tubing. If a section of tubing is cut or damaged, you can use a connector to splice the tubing back together, restoring the integrity of the system without having to replace the entire length of tubing.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable for all pipes with outer diameter of 16mm
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

END CAP FOR DRIP PIPE, 5PCS SET

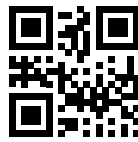
81251

FUNCTION

- **Sealing the End:** The primary function of an end cap is to seal off the end of a drip pipe or tubing. This ensures that water does not escape from the end of the pipe, preventing wastage and ensuring that all water is directed to the desired areas for irrigation.
- **Preventing Contaminants:** End caps also serve as protective barriers to prevent dirt, debris, insects, and other contaminants from entering the open end of the drip pipe. This helps maintain the cleanliness and integrity of the irrigation system, reducing the risk of clogs or blockages in the emitters or tubing.
- **System Flushing:** End caps are convenient for flushing the irrigation system. When it's necessary to clear out any debris or sediment that may have accumulated in the last few inches of the drip line, the end cap can be removed to allow water to flow freely and flush out the system.
- **Temporary Closure:** End caps can be used to temporarily close off or cap sections of the drip line that are not in use. This can be useful when you want to modify or expand your irrigation system or when certain areas of the garden or field are not currently being irrigated.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable for all pipes with outer diameter of 16mm
- 5 PCS, SET



DOUBLE BRACKET FOR DRIP PIPE, 5PCS SET

81252

Drip Double Bracket is a practical accessory in drip irrigation systems, used to support and organize drip tubing or hose, maintain proper spacing between emitters, and facilitate maintenance and adjustments in the system. It plays a role in ensuring the efficient and reliable delivery of water to plants in gardens, farms, and landscapes.

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable for all pipes with outer diameter of 16mm
- 5 PCS, SET



DRIP HEAD EMITTER 4/8L, 10PCS SET

81260

The emitter has an adjustable flow rate range of 4 to 8 L/hr, which allows for flexibility in delivering the right amount of water to different plants or zones with varying water requirements.

Emitters in this flow rate range are suitable for a variety of applications, including vegetable gardens, flower beds, shrubbery, and potted plants.

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

TECHNICAL DATA

- Material: Polyethylene (PE)
- Flow rate: 4-8L/h
- 10 PCS, SET



DRIP HEAD EMITTER 0-180L, 10PCS SE

81261

Drip irrigation with adjustable emitters 0-180L is suitable for potted plants and seedlings, where different plant varieties may require varying water levels.

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

TECHNICAL DATA

- Material: Polyethylene (PE)
- Flow rate: 0-180L/h
- 10 PCS, SET



DRIP HEAD EMITTER, 10PCS SET

81262

Drip irrigation with adjustable emitters is suitable for potted plants and seedlings, where different plant varieties may require varying water levels.



TECHNICAL DATA

- Material: Polyethylene (PE)
- 10 PCS, SET



DRIP HEAD EMITTER 2L, 10PCS SET

81264

The emitter has an adjustable flow rate range of 2L/hr, which allows for flexibility in delivering the right amount of water to different plants or zones with varying water requirements.

Emitters in this flow rate range are suitable for a variety of applications, including vegetable gardens, flower beds, shrubbery, and potted plants.



TECHNICAL DATA

- Material: Polyethylene (PE)
- Flow rate: 2L/h
- 10 PCS, SET



DRIP HEAD EMITTER 4L, 10PCS SET

81265

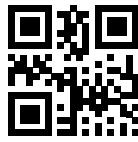
The emitter has an adjustable flow rate range of 4L/hr, which allows for flexibility in delivering the right amount of water to different plants or zones with varying water requirements.

Emitters in this flow rate range are suitable for a variety of applications, including vegetable gardens, flower beds, shrubbery, and potted plants.



TECHNICAL DATA

- Material: Polyethylene (PE)
- Flow rate: 4L/h
- 10 PCS, SET



SPRAY MIST NOZZLE EMITTER, 10PCS SET

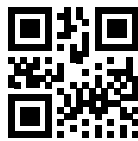
81263

Spray nozzles produce a fine spray or mist and are commonly used for various applications in agriculture, horticulture, landscaping, and more.



TECHNICAL DATA

- Material: Polyethylene (PE)
- 10 PCS, SET



DRIP TAPE WITH FLAT DRIPPER

81240

The drip irrigation tape is widely used in various drip irrigation projects, such as cash crops, vegetables, flowers, gardens, fruit trees, fields economic crops in greenhouses and etc.

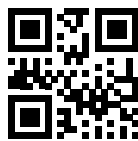


FEATURES

- Roll packing for easy installation, store and removal
- Wide range of spray patterns can be applied to wide range of vegetables and crops
- Low cost investment and maintenance cost

TECHNICAL DATA

- Material: Polyethylene (PE)
- Inner diameter: 16mm
- Thickness: 0.3mm
- Distance between drippers: 300mm
- Roll length: 100m
- Roll weight: 1,51kg



DRIP TAPE 16MM TO 1/2" TAP CONNECTOR WITH VALVE, 5PCS SET

81253

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable with drip tape with catalogue number 81240
- Tap size: 1/2"(12mm)
- Pipe diameter: 16mm
- 5 PCS, SET





2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP TAPE I-CONNECTOR WITH VALVE 16MM, 5PCS SET

81254

Drip tape connector with a valve is a valuable component in drip irrigation systems, allowing for easy and flexible connections between sections of drip tubing or hoses while enabling rotation to adjust the direction of water flow.

This flexibility simplifies the installation process and helps ensure efficient and precise watering of plants in a garden, field, or landscape.

FUNCTION

- **Connection:** To join or connect different sections of drip tape or agriculture irrigation tapes together. It provides a secure and leak-free connection between two pieces of drip tape or between drip tape.
- **Extension:** Connectors can be used to extend the length of drip tape. If your original tape isn't long enough to reach a specific area, a connector allows you to attach additional tape to reach the desired location.
- **Repair:** Connectors are valuable for repairing damaged sections of drip tape. If a section of tape is cut or damaged, you can use a connector to splice the tape back together, restoring the integrity of the system without having to replace the entire length of tape.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable with drip tape with catalogue number 81240
- Pipe diameter: 16mm
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP TAPE I-CONNECTOR, 5PCS SET

81255

Drip tape connector facilitate the assembly, extension, repair, customization, and efficient operation of a drip irrigation system.

It allows you to create a network of tubing and components that delivers water precisely to the root zones of plants, promoting water conservation and healthy plant growth.

FUNCTION

- **Connection:** To join or connect different sections of agriculture irrigation tapes together. It provides a secure and leak-free connection between two pieces of drip tapes
- **Extension:** Connectors can be used to extend the length of drip tapes. If your original tape isn't long enough to reach a specific area, a connector allows you to attach additional tape to reach the desired location.
- **Repair:** Connectors are valuable for repairing damaged sections of drip tape. If a section of tape is cut or damaged, you can use a connector to splice the tubing back together, restoring the integrity of the system without having to replace the entire length of tape.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable with drip tape with catalogue number 81240
- Pipe diameter: 16mm
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP TAPE L-CONNECTOR, 5PCS SET

81256

Drip tape connector facilitate the assembly, extension, repair, customization, and efficient operation of a drip irrigation system. It allows you to create a network of tubing and components that delivers water precisely to the root zones of plants, promoting water conservation and healthy plant growth.

FUNCTION

- **Connection:** To join or connect different sections of agriculture irrigation tapes together. It provides a secure and leak-free connection between two pieces of drip tapes
- **Extension:** Connectors can be used to extend the length of drip tapes. If your original tape isn't long enough to reach a specific area, a connector allows you to attach additional tape to reach the desired location.
- **Repair:** Connectors are valuable for repairing damaged sections of drip tape. If a section of tape is cut or damaged, you can use a connector to splice the tubing back together, restoring the integrity of the system without having to replace the entire length of tape.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable with drip tape with catalogue number 81240
- Pipe diameter: 16mm
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

DRIP TAPE T-CONNECTOR, 5PCS SET

81257

Drip tape connector facilitate the assembly, extension, repair, customization, and efficient operation of a drip irrigation system. It allows you to create a network of tubing and components that delivers water precisely to the root zones of plants, promoting water conservation and healthy plant growth.

FUNCTION

- **Connection:** To join or connect different sections of agriculture irrigation tapes together. It provides a secure and leak-free connection between two pieces of drip tapes
- **Branching:** Connectors can be used to create branches in the irrigation system. For instance, you can split one main drip tape into multiple lines using connectors to deliver water to different areas or rows of plants.
- **Extension:** Connectors can be used to extend the length of drip tapes. If your original tape isn't long enough to reach a specific area, a connector allows you to attach additional tape to reach the desired location.
- **Repair:** Connectors are valuable for repairing damaged sections of drip tape. If a section of tape is cut or damaged, you can use a connector to splice the tubing back together, restoring the integrity of the system without having to replace the entire length of tape.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable with drip tape with catalogue number 81240
- Pipe diameter: 16mm
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

END CAP FOR DRIP TAPE, 5PCS SET

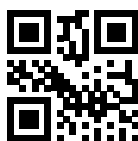
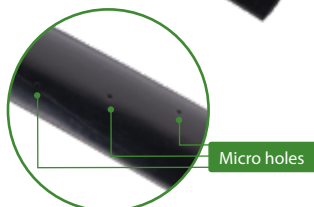
81258

FUNCTIONS

- **Sealing the End:** The primary function of an end cap is to seal off the end of a drip tape. This ensures that water does not escape from the end of the tape, preventing wastage and ensuring that all water is directed to the desired areas for irrigation.
- **Preventing Contaminants:** End caps also serve as protective barriers to prevent dirt, debris, insects, and other contaminants from entering the open end of the drip tape. This helps maintain the cleanliness and integrity of the irrigation system, reducing the risk of clogs in tapes
- **System Flushing:** End caps are convenient for flushing the irrigation system. When it's necessary to clear out any debris or sediment that may have accumulated in the last few inches of the drip line, the end cap can be removed to allow water to flow freely and flush out the system.
- **Temporary Closure:** End caps can be used to temporarily close off or cap sections of the drip line that are not in use. This can be useful when you want to modify or expand your irrigation system or when certain areas of the garden or field are not currently being irrigated.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable with drip tape with catalogue number 81240
- Pipe diameter: 16mm
- 5 PCS, SET



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

MICRO SPRAY TAPE

81243

Irrigation with micro spray tape imitate fine rain for moisten the crops with little impact without harming their delicate structure. This kind of irrigation can reduce the humidity in the greenhouse and reduce the disease of crops. It is especially suitable for the use of garden plants and crops.

FEATURES

- Roll packing for easy installation, store and removal
- Low cost investment and maintenance cost
- 40 to 80% saving water cost, 50% fertilizer and increase the crops with 10-30%
- Anti-aging, ultraviolet resistance and long life more than 3 years.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Inner diameter: 32mm
- Thickness: 0.2mm
- Hole numbers: 3 on group
- Hole spacing: 300mm between each group of 3 hole
- Flow rate: 1.55m³/h
- Spray swath: 4m
- Roll length: 100m





DRIP TAPE 32MM TO 1" TAP CONNECTOR WITH VALVE

81268

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable with drip tape with catalogue number 81243
- Tap size: 1" (25.4mm)
- Pipe diameter: 32mm



DRIP TAPE I-CONNECTOR

81266

Drip tape connector with a valve is a valuable component in drip irrigation systems, allowing for easy and flexible connections between sections of drip tubing or hoses while enabling rotation to adjust the direction of water flow.

This flexibility simplifies the installation process and helps ensure efficient and precise watering of plants in a garden, field, or landscape.

FUNCTION

- **Connection:** To join or connect different sections of drip tape or agriculture irrigation tapes together. It provides a secure and leak-free connection between two pieces of drip tape or between drip tape.
- **Extension:** Connectors can be used to extend the length of drip tape. If your original tape isn't long enough to reach a specific area, a connector allows you to attach additional tape to reach the desired location.
- **Repair:** Connectors are valuable for repairing damaged sections of drip tape. If a section of tape is cut or damaged, you can use a connector to splice the tape back together, restoring the integrity of the system without having to replace the entire length of tape.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable with drip tape with catalogue number 81243
- Pipe diameter: 32mm





DRIP TAPE T-CONNECTOR

81267

Drip tape connector with a valve is a valuable component in drip irrigation systems, allowing for easy and flexible connections between sections of drip tubing or hoses while enabling rotation to adjust the direction of water flow.

This flexibility simplifies the installation process and helps ensure efficient and precise watering of plants in a garden, field, or landscape.

FUNCTION

- **Connection:** To join or connect different sections of drip tape or agriculture irrigation tapes together. It provides a secure and leak-free connection between two pieces of drip tape or between drip tape.
- **Branching:** Connectors can be used to create branches in the irrigation system. For instance, you can split one main drip tape into multiple lines using connectors to deliver water to different areas or rows of plants.
- **Extension:** Connectors can be used to extend the length of drip tape. If your original tape isn't long enough to reach a specific area, a connector allows you to attach additional tape to reach the desired location.
- **Repair:** Connectors are valuable for repairing damaged sections of drip tape. If a section of tape is cut or damaged, you can use a connector to splice the tape back together, restoring the integrity of the system without having to replace the entire length of tape.

TECHNICAL DATA

- Material: Polyethylene (PE)
- Suitable with drip tape with catalogue number 81243
- Pipe diameter: 32mm

DIGITAL TOOLS HAND TOOLS & ACCESSORIES



DIGITAL TOOLS AND ACCESSORIES



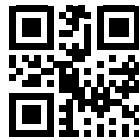
3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL MULTIMETER EM890G

519890

TECHNICAL DATA

- DC voltage: 200m/ 2/ 20/ 200/ 600V
- AC voltage: 2/ 20/ 200/ 600V
- DC current: 2/ 20/ 200/ 10A
- AC current: 200m/ 10A
- Resistance: 200/ 2K/ 20K/ 200K/ 2M/ 20MΩ
- Capacitors: 2n/ 20n/ 200n/ 2μ/ 20μ
- Frequency: 20kHz
- Temperature: -20°upto1000°C
- Diodes control: yes
- Buzzer: yes
- Transistor test: yes
- Auto power: yes
- Dimensions: 170x87x33mm
- Weight: 326g
- Battery: 1x9V



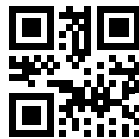
3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL MULTIMETER EM850L

519850

TECHNICAL DATA

- DC voltage: 200m/ 2/ 20/ 200/600 V
- AC voltage : 200/ 600 V
- DC current: 200μ/ 2/ 20/ 200/ 10A
- Resistance: 200/ 2K/ 20K/ 200K/ 2MΩ
- Diodes control: yes
- Buzzer: yes
- Transistor test: yes
- Data hold: yes
- Back light function: yes
- Dimensions: 135x67x33mm
- Weight: 147 g
- Battery: 1x9V



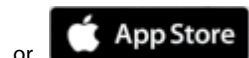
3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL MULTIMETER EM83B

519083

TECHNICAL DATA

- DC voltage: 200m/ 2000m/ 20/ 200/ 400 V
- AC voltage : 200/ 400 V
- DC current: 2000μ/ 20m/ 200mA
- Resistance: 200/ 2000/ 20K/ 200K/ 2000KΩ
- Diodes control: yes
- Buzzer: yes
- Battery test (9V): yes
- Dimensions: 102x60x24mm
- Weight: 60 g
- Battery: 12V





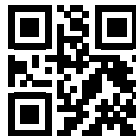
3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL MULTIMETER EM5510
5195510

Measuring: humidity, illumination, temperature and all electric values. Automatic range adjustment, manual value selection. LCD display showing the measured value in digits with the size of 3 3/4. High accuracy of analogue-digital conversion, precision in measuring and resistance to electro-magnetic interferences. Automatic switch off.

TECHNICAL DATA

- DC voltage: 0.4/ 4/ 40/ 400/ 600 V
- AC voltage : 4/ 40/ 400/ 600V
- DC current: 400µ/ 4000µ/ 40m/ 400m/ 10A
- AC current: 400µ/ 4000µ/ 40m/ 400m/ 10A
- Resistance: 400/ 4K/ 40K/ 400K/ 4M/ 40MΩ
- Capacitors: 4n/ 40n/ 400n/ 4µ/ 40µ/ 100µF
- Frequency: 10/ 100/ 1k/ 10k/ 100k/ 200kHz
- Loading cycles: from 0.1% to 99.9%
- Temperature: -20° up to 1000°C
- Humidity: 30% to 95%
- Illumination: 4000 Lux / 40000 Lux
- Noise level: 35 to 100dB
- Circuit control: yes
- Diodes control: yes
- Weight: 310 g (including battery)
- Battery: 1x9V
- Dimensions: 83x162x47mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL MULTIMETER EM420C
519420

Measuring: illumination, temperature and all electric values. Automatic range adjustment, manual value selection. LCD display showing the measured value in 4 digits with the size of 16 mm. High accuracy of analogue-digital conversion, precision in measuring and resistance to electro-magnetic interferences. Automatic switch off.

TECHNICAL DATA

- DC voltage: 200m/ 2/ 20/ 200/ 600 V
- AC voltage : 2/ 20/ 200/ 600V
- DC current: 200µ/ 2000µ/ 20m/ 200m/ 2/ 10A
- AC current: 00µ/ 2000µ/ 20m/ 200m/ 2/ 10A
- Resistance: 200/ 2K/ 20K/ 200K/ 2M/ 20MΩ
- Temperature: -20° up to 1000°C
- Battery test: 1.5/3/9/12 V
- Circuit control: yes
- Diodes control: yes
- Weight: 200 g (including battery)
- Battery: 3x1.5 V
- Dimensions: 75x158x35mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL MULTIMETER EM3055

5193055

Measuring: all electric values. Manual range adjustment. LCD display showing the measured value in 4 digits with the size of 3 1/2 . High accuracy of analogue-digital conversion, precision in measuring and resistance to electro-magnetic interferences.

TECHNICAL DATA

- DC voltage: 200m/ 2/ 20/ 200/ 1000 V
- AC voltage: 2/ 20/ 200/ 750V
- DC current: 2m/ 20m/ 200m/ 10A
- AC current: 200m/ 10A
- Resistance: 200/ 2K/ 20K/ 200K/ 2M/ 20M/ 200MΩ
- Capacity: 2000p/ 20n/ 200n/ 20μF
- Temperature: 0° up to 1000°C
- Battery test: 1.5/ 3/ 9/ 12 V
- Transistor test: Vce≈3V , Ib≈10μF
- Circuit control: yes
- Diodes control: yes
- Weight: 495 g (including battery)
- Battery: 1x9V
- Dimensions: 97x200x48mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL MULTIMETER EM3058

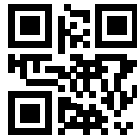
5193058

Measuring: temperature and all electric values. Manual range adjustment, manual value selection. LCD display showing the measured value in digits with the size of 3 3/4 . High accuracy of analogue-digital conversion, precision in measuring and resistance to electro-magnetic interferences. Automatic switch off.

TECHNICAL DATA

- DC voltage: 200m/ 2/ 20/ 200/ 1000 V
- AC voltage: 200 m/ 2/ 20/ 200/ 750V
- DC current: 20μ/ 200 μ/ 2m/ 200m/ 10A
- AC current: 20μ/ 200μ/ 2m/ 200m/ 2/ 10A
- Resistance: 200/ 2K/ 20K/ 200K/ 2M/ 20M/ 200MΩ
- Capacitors: 2n/ 20n/ 200n/ 2μ/ 20μF
- Frequency: 20kHz to 2000kHz
- Loading cycles: 0.1% to 99.9%
- Temperature: 0° up to 1000°C
- Logical level: High > 2.0 V;
Low < 0.8 V
- Circuit control: yes
- Diodes control: yes
- Weight: 495 g (including battery)
- Battery: 1x9V
- Dimensions: 97x200x47 mm

RoHS COMPLIANT
CE



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL MULTIMETER EM31

519031

Measuring: electric values. Automatic range adjustment, manual value selection. LCD display showing the measured value in 4 digits with the size of 16 mm. High accuracy of analogue-digital conversion, precision in measuring and resistance to electro-magnetic interferences. Automatic switch off and low battery indication.

TECHNICAL DATA

- DC voltage: 240m/ 2400m/ 24/ 240/ 600 V
- AC voltage: 240m/ 2400m/ 24/ 240/ 600 V
- DC current: 240μ/ 2400μ/ 24m/ 240m/ 10A
- AC current: 240μ/ 2400μ/ 24m/ 240m/ 10A
- Resistance: 400Ω - 40MΩ
- Capacity: 51.2ηF to 51.2μF
- Frequency: 50/ 500/ 5000/ 50k/ 50MHz
- Circuit control: yes
- Diodes control: yes
- Weight: 137 g (including battery)
- Battery: 9V
- Dimensions: 70x126x28mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL MULTIMETER/ PEN EM3215

5193215

Measuring of electric values in the form of a pen. Automatic range adjustment, manual value selection. LCD display, data retain function, automatic reset, polarity selection, range overload indication. High accuracy of analogue-digital conversion, precision in measuring and resistance to electro-magnetic interferences. Automatic switch off and low battery indication and a torch.

TECHNICAL DATA

- DC voltage: 200m/ 2/ 20/ 200/ 600 V
- AC voltage: 2/ 20/ 200/ 600V
- DC current: 20m to 200mA
- AC current: 20m to 200mA
- Resistance: 200/ 2K/ 20K/ 200K/ 2M/ 20MΩ
- Logical level: High > 2.3V; Low < 0.8 V
- Circuit control: yes
- Diodes control: yes
- Weight: 182 g (including battery)
- Battery: 1x9V
- Dimensions: 57x230x30mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL CLAMP METER EM202

519202

Measuring of electric values. Manual range adjustment, manual value selection. LCD display showing the measured value in digits with the size of 3½ mm. High accuracy of analogue-digital conversion, precision in measuring and resistance to electro-magnetic interferences. Automatic switch off.

TECHNICAL DATA

- DC voltage: 1000 V
- AC voltage: 750V
- AC current: 20/ 200/ 1000A
- Resistance: 200 kΩ
- Temperature: -40° up to 1400°C
- Circuit control: yes
- Diodes control: yes
- Weight: 400 g (including battery)
- Battery: 1x9V
- Dimensions: 99x250x43mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

DIGITAL CLAMP METER EM204

519204

Measuring of electric values. Automatic range adjustment, manual value selection. LCD display, low battery indication, overload protection. High accuracy of analogue-digital conversion, precision in measuring and resistance to electro-magnetic interferences. Automatic switch off.

TECHNICAL DATA

- DC voltage: 1000 V
- AC voltage: 750V
- DC current: 200 / 1000A
- AC current: 200 / 1000A
- Resistance: 200 kΩ
- Frequency: 2 kHz
- Circuit control: yes
- Weight: 400 g (including battery)
- Battery: 1x9V
- Dimensions: 99x258x43mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

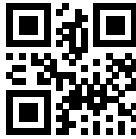
DIGITAL CLAMP METER EM266

519266

Measuring of electric values. It features manual range adjustment. LCD display and retain function option, low battery indication and overload protection.

TECHNICAL DATA

- DC voltage: 1000 V
- AC voltage: 750V
- AC current: 200 / 1000A
- Resistance: 200 / 20 kΩ
- Circuit control: yes
- Diodes control: yes
- Weight: 310 g (including battery)
- Battery: 1x9V
- Dimensions: 69x229x38mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

INFRARED TEMPERATURE METER EM520A

519520

Digital device for measuring of temperature. The temperature is measured with no contact. It has a laser counter for precision measuring, suitable large LCD display, battery low indication and overload protection.

TECHNICAL DATA

- Temperature: -20° up to 320°C / -4° to 608 °F
- Distance to point size: 6:1
- Precision: ±2° C or 2% in reading
- Battery: 1x9V
- Dimensions: 90x155x45mm



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

LASER DISTANCE METER EL- 201

519001

TECHNICAL DATA

- Measure range: 40m
- Measuring accuracy: ± 3mm, with a 0.05mm / m increment
- Lowest indication unit: 1mm
- Laser parameter: 635nm, 1mw
- Laser class: 2
- Operating Temperature: -10°C+ 40°C
- Storage temperature: -20°C + 70°C
- Automatic switch-off after approx: laser 20s
- Instrument Auto-off Time: 5 min
- Laser Auto-off Time: 20 sec
- Battery: 2x1.5AAA
- Battery operating life time: 5000times
- Automatic storage data: 30 times
- Colour screen: 1,8 inch
- Net weight: 88gr
- Dimension: 15.9x8.8x5.5 mm

FUNCTION

- Single measurement
- Continuous measurement
- Measurement of rectangular area
- Measurement of cubic volume
- Triangle area measurement
- Square trapezoid area measurement
- Area accumulation
- Single Pythagorean theorem measurement
- Double tick plus/minus measurement



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

LASER DISTANCE METER EL- 201

519002

TECHNICAL DATA

- Measure range: 100m
- Measuring accuracy: $\pm 3\text{mm}$, with a $0.05\text{mm} / \text{m}$ increment
- Lowest indication unit: 1mm
- Laser parameter: 635nm, 1mw
- Laser class: 2
- Operating Temperature: $-10^{\circ}\text{C} + 40^{\circ}\text{C}$
- Storage temperature: $-20^{\circ}\text{C} + 70^{\circ}\text{C}$
- Automatic switch-off after approx: laser 20s
- Instrument Auto-off Time: 5 min
- Laser Auto-off Time: 20 sec
- Battery: 2x1.5AAA
- Battery operating life time: 5000 times
- Automatic storage data: 30 times
- Colour screen: 1,8 inch
- Net weight: 88gr
- Dimension: 15.9x8.8x5.5 mm

FUNCTION

- Single measurement
- Continuous measurement
- Measurement of rectangular area
- Measurement of cubic volume
- Triangle area measurement
- Square trapezoid area measurement
- Area accumulation
- Single Pythagorean theorem measurement
- Double tick plus/minus measurement

RoHs
COMPLIANT



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

LASER LEVEL METER EL-113P

519003

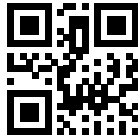
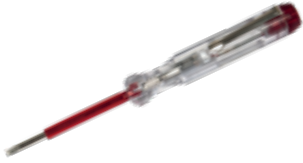
TECHNICAL DATA

- Horizontal precision: $\pm 7\text{mm}/10\text{m}$
- Vertical precision: $\pm 7\text{mm}/10\text{m}$
- Auto-Leveling range: $\pm 3.5^{\circ}$
- Laser colour: Red light 635nm
- Laser class: 2
- Auto-Leveling method: The gravity pendulum is auto-leveling.
- Ampling time: $< 6\text{s}$
- The laser line width: $< 3.5\text{mm}$ (within 10m).
- Scope of work (radius): 12m
- Working temperature: $0^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- The power supply: 2xAA battery
- Working voltage: 3V
- Working time: More than 15 hours
- IP rate: IP54
- Dimension: 80x50x82.5 mm

AREAS OF APPLICATION:

- Indoor calibration, door, cabinet, ground, wall, brick and more basic application.

HAND TOOLS



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

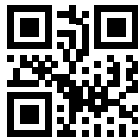
VOLTAGE TESTER DN-8203

519203

The voltage tester screwdriver is used for detecting the presence of electrical voltage. Existence of voltage is shown via lighting signal indicator located in the handle of the screwdriver. It can detect voltage in the range from 100V to 250V. The screwdriver has a flat tip.

TECHNICAL DATA

- Size: 3.5x140mm
- Voltage range 100-250V~
- GS, CE certificates



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

VOLTAGE TESTER EL-1805

519205

TECHNICAL DATA

- Size: 3.5x190mm
- Voltage range 100-500V~
- ABS+PC



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

NON-CONTACT VOLTAGE AC DETECTOR GK8

519GK8

FUNCTION

- AC voltage detection
- Indicate AC null line and live line
- Auto power off in 5 minutes
- Buzzer: sound beeps when is detected AC voltage
- Green light: by power ON
- RED light: by live parts detection.
- Higher flashing frequency indicates stronger electric field

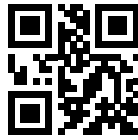
TECHNICAL DATA

- Voltage range: from 50 to 1000V/AC
- Handle material: ABS
- Metal: carbon steel
- Light: LED
- Length – 148mm



or





2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

MULTI FUNCTIONAL VOLTAGE TESTER EL-8736

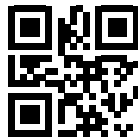
519207

FUNCTION

- AC voltage testing
- Line break testing
- Earth checking

TECHNICAL DATA

- Voltage range: from 12 to 220V/AC
- Handle material: ABS
- Metal: carbon steel
- Light: LED
- Blade diameter: 4mm
- Length – 190mm



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

VOLTAGE TESTER EL-EN08

519206

TECHNICAL DATA

- Size: 2.0x185mm
- Voltage range 6-380V
- ABS

RoHs COMPLIANT
CE



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

MULTI-PURPOSE WIRING TOOL

598030

FUNCTIONS

- Ergonomic molded anti-slip grid handle
- Crimp insulated and non insulated cable terminals

TECHNICAL DATA

- Size: 235mm
- Cable size section: 0.75-6.0mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CRIMPING PLIERS HD-005

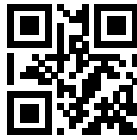
59308

FUNCTIONS

- Crimping of naked cable terminals

TECHNICAL DATA

- Possibility for crimping of cable conductors up to 10mm²
- Form of the crimping head: hexagon
- Weight of the instrument: 0.49kg
- Length of the instrument: 220mm
- Packing: blister



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CRIMPING PLIERS SN-003

59309

FUNCTIONS

- Crimping of naked cable terminals and joining bushes

TECHNICAL DATA

- Possibility for crimping of cable conductors from 6 to 16mm²
- Form of the crimping head: hexagon
- Weight of the instrument: 0.39kg
- Length of the instrument: 190mm
- Packing: blister



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

HEAVY DUTY RATCHET CRIMPING PLIERS 225MM

598153

TECHNICAL DATA

- Type: Professional heavy duty ratchet crimping pliers
- Size: 225 mm
- Professional quality crimping tool
- For non-insulated terminals
- Adjustable thumb-screw dial
- Hardened steel for durability
- Easy-to-read gauge markings
- Comfort grip handle



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

COMBINED CRIMPING PLIERS 180MM

598151

TECHNICAL DATA

- Type: Combined crimping pliers
- Size: 180 mm
- High-quality cold-rolled sheet material
- Crimps insulated terminals
- Easily cuts and strips wire
- Cleanly shears bolts
- Easy-to-read gauge markings
- Wire looping and bending holes
- Spring loaded for self-opening action



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

EL-HX26B MANUAL CRIMPING RATCHET PLIERS

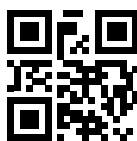
598036

FUNCTIONS

- Crimping of aluminum or copper conductors with non-isolated cable terminals

TECHNICAL DATA

- Form of the crimping element: hexagon
- Crimping sizes: 6, 10, 16, 25 mm²
- Section of the crimping conductors: 6-25 mm²
- Weight of the instrument: 0.83 kg
- Length: 350mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

EL-HX50SC MANUAL CRIMPING PLIERS

598037

FUNCTIONS

- Crimping of aluminum or copper conductors with non-isolated cable terminals.

TECHNICAL DATA

- Form of the crimping element: hexagon
- Size of the crimping element: 6, 10, 16, 25, 35, 50 mm²
- Section of the crimping conductors: 6-50 mm²
- Weight of the instrument: 1.67 kg
- Length: 390mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

EL-HX150SC MANUAL CRIMPING PLIERS

598038

FUNCTIONS

- Crimping of aluminum or copper conductors with non-isolated cable terminals.

TECHNICAL DATA

- Form of the crimping element: hexagon
- Size of the crimping element: 25, 35, 50, 70, 95, 120, 150 mm²
- Section of the crimping conductors: 25-150 mm²
- Weight of the instrument: 4.3 kg
- Length: 620mm

RoHs
COMPLIANT



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

STRIPPER PLIERS FOR WIRE INSULATION 200MM

598152

TECHNICAL DATA

- Type: Stripper pliers for wire insulation
- Size: 200 mm
- High-quality cold-rolled sheet material
- Crimps insulated terminals
- Easily cuts and strips wire
- Cleanly shears bolts
- Easy-to-read gauge markings
- Wire looping and bending holes
- Spring loaded for self-opening action



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CRV AUTO WIRE STRIPPERS 200MM

598131

TECHNICAL DATA

- Type: Auto wire strippers
- Material: Chrome vanadium + TPE
- Stripping capacity: 0.2 - 6 mm²
- Size: 200 mm

CrV



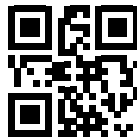
2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

WIRE STRIPPERS 180MM

598150

TECHNICAL DATA

- Type: Wire strippers
- Length of strip: up to 25mm
- Striping capacity: 0.2 - 6 mm²
- Size: 180 mm



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

EL-700D AUTOMATIC WIRE STRIPPER WITH CUTTER

598034

FUNCTIONS

- Stripping diameter can be adjusted automatically for different wire cross sections
- Precise blade design without damaging the conductor cores
- During stripping, the wire is held firm by clamping jaws
- With adjustable length stop, with a spring returns the stripper to the starting position, long lifetime.

TECHNICAL DATA

- Striping capacity: 0.25-6 mm²
- Weight of the instrument: 0.25 kg
- Length: 170mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

AUTOMATIC WIRE STRIPPER

598032

FUNCTIONS

- Wire is automatically gripped and stripped with the same motion
- Adjustable dial
- Comfort grip handle

TECHNICAL DATA

- Size: 168mm
- Cable size section: 1.0-3.2mm



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

EL-256 WIRE STRIPPER KNIFE 8-28MM WITH HOOK BLADE

598031

FUNCTIONS

- Stripping circular PVC cable, rubber cable, silicone cable and teflon cable.
- Cutting depth can penetrate knurled nut to adjust moving blade.
- It can change circular shearing into linear shearing, and long stripping area adopts spiral cutting.

TECHNICAL DATA

- Striping capacity diameter: 8-28 mm
- Weight of the instrument: 0.12 kg
- Length: 190mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

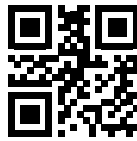
MECHANICAL CABLE CUTTING PLIERS CC-400 TYPE
59304

FUNCTIONS

- Cutting of aluminum or copper cable conductors
- Cutting of conductors with metal bearing core

TECHNICAL DATA

- Maximum section of the cable:
 - > for aluminum conductors up to 400mm²
 - > for copper conductors up to 350mm²
- Cutting power: 15T
- Presence of cutting mechanism type ratchet
- Presence of brake of the cutting mechanism
- Weight of the instrument: 1.25kg
- Length of the instrument: 360mm
- Packing: blister



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

RATCHET CABLE CUTTER 250MM

598162

TECHNICAL DATA

- Type: CU /AL cable cutter
- Maximum section of the cable: up to D30mm (240mm²)
- Size: 250 mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CABLE CUTTER 600MM

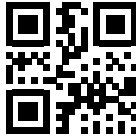
598160

TECHNICAL DATA

- Type: Cable cutter
- Size: 600 mm

RoHs
COMPLIANT
CE

HYDRAULIC TOOLS



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

HYDRAULIC CRIMPING PLIERS YQK-50 TYPE

59303

FUNCTIONS

- Crimping of aluminum or copper conductors with cable terminals

or bush in the corresponding size.

TECHNICAL DATA

- Form of the crimping element: hexagonal
- Size of the crimping element: 4, 6, 10, 16, 25, 35, 50mm²
- Section of the crimping conductors:
 - > Al conductors - from 4 to 50mm²
 - > Cu conductors – from 4 to 50 mm²
- Element pressing power: 8T
- Width of the element: 10mm
- Weight of the instrument: 2.8 kg
- Length: 310mm
- Used hydraulic oil: #15 (hydraulic oil with viscosity 15)
- Plastic box for the instrument
- A set of congestion hoops for the hydraulic cylinder



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

HYDRAULIC CRIMPING PLIERS YQK-300 TYPE

59301

FUNCTIONS

- Crimping of aluminum or copper conductors with cable terminals

or bush in the corresponding size

TECHNICAL DATA

- Device for automatic following of the effort at crimping completion
- Form of the crimping element: hexagonal
- Size of the crimping element: 10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300mm²
- Section of the crimping conductors:
 - > Al conductors - from 16 to 300 mm²
 - > Cu conductors – from 16 to 240 mm²
- Element pressing power: 100kN
- Width of the element: 22mm
- Weight of the instrument: 6.3 kg
- Length: 500mm
- Used hydraulic oil: #23 (hydraulic oil with viscosity 23)
- Plastic box for the instrument
- A set of congestion hoops for the hydraulic cylinder



or





2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

HYDRAULIC CRIMPING PLIERS KYQ-300B TYPE

59302

FUNCTIONS

- Crimping of aluminum or copper conductors with cable terminals

or bush in the corresponding size

TECHNICAL DATA

- Device for automatic following of the effort at crimping completion
- Form of the crimping element: hexagonal
- Size of the crimping element: 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300mm²
- Section of the crimping conductors:
 - Al conductors - from 16 to 300 mm²
 - Cu conductors – from 16 to 240 mm²
- Element pressing power: 100kN
- Width of the element: 22mm
- Weight of the instrument: 6.8 kg
- Length: 500mm
- Used hydraulic oil: #23 (hydraulic oil with viscosity 23)
- Plastic box for the instrument
- A set of congestion hoops for the hydraulic cylinder



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

HYDRAULIC CRIMPING PLIERS HT-300 TYPE

59300

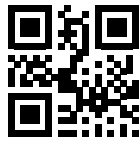
FUNCTIONS

- Crimping of aluminum or copper conductors with cable terminals

or bush in the corresponding size

TECHNICAL DATA

- Crimping head turning at 360° which facilitates the crimping of static conductors
- Device for automatic following of the effort at crimping completion
- Form of the crimping element: hexagonal
- Size of the crimping element: 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300mm²
- Section of the crimping conductors:
 - Al conductors - from 16 to 300 mm²
 - Cu conductors – from 16 to 240 mm²
- Element pressing power: 60kN
- Width of the element: 17mm
- Weight of the instrument: 3.3 kg
- Length: 460mm
- Used hydraulic oil: #15 (hydraulic oil with viscosity 15)
- Metal box for the instrument
- A set of congestion hoops for the hydraulic cylinder



HYDRAULIC PUNCHING PLIERS WK-8 TYPE

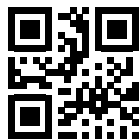
54000

FUNCTIONS

• Cutting through openings in sheet metal with gauge up to 3mm without rotary motion.

TECHNICAL DATA

- Piercing head turning at 360°
- Form of the cutting element: round
- Size of the cutting element: ø22.5, 28.3, 34.6, 43.2, 49.6, 61.5mm
- Piercing capacity:
 - > Sheet metal 3mm – openings up to ø30mm
 - > Sheet metal 2mm – openings up to ø60mm
- Element pressing power: 80kN
- Thickness of the element: 25mm
- Weight of the instrument: 3.5 kg
- Used hydraulic oil: #15 (hydraulic oil with viscosity 15)
- Metal box for the instrument
- A set of congestion hoops for the hydraulic cylinder



HYDRAULIC PUNCHING PRESS SYK-15 TYPE

54001

FUNCTIONS

Cutting through openings in sheet metal with gauge up to 3mm without rotary motion

TECHNICAL DATA

Protracting piercing head supplied with a hose for the hydraulic oil that gives possibility for piercing openings everywhere on the metal surface

Form of the cutting element:

- > Round
- > Square

Size of the cutting element:

- > Square: 32x32mm
- > Round openings: Ø 22.5, 28.3, 34.6, 43.2, 9.6, 61.5mm

Piercing capacity:

- > Sheet metal 3mm- openings up to ø60.8mm
- > Sheet metal 2mm - openings up to ø115.5mm
- > Square opening up to 110x110mm

Element pressing power: 15T

Thickness of the element: 25mm

Weight of the instrument: 11.5 kg

Used hydraulic oil: #15 (hydraulic oil with viscosity 15)

Metal box for the instrument

A set of congestion hoops for the hydraulic cylinder



ADDITIONAL SET FOR WK-8 & SYK-15

54002

Additional set of cutting elements for cable glands: Ø16, 20, 26.2, 32.5, 39, 51, 63 and a square for display devices 46.5x46.5, 68x68



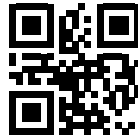
or



VDE INSULATED MECHANICAL TOOLS - 1000V



1000V  CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

VDE INSULATED COMBINED PLIERS 180MM

598025

TECHNICAL DATA

- Type: Combined pliers 1000V
- Size: 180 mm



1000V  CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

VDE INSULATED LONG NOSE PLIERS 150 MM

598027

TECHNICAL DATA

- Type: Long nose pliers 1000V
- Size: 150 mm



1000V  CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

VDE INSULATED BENT NOSE PLIERS 160MM

598028

TECHNICAL DATA

- Type: Bent nose pliers 1000V
- Size: 160 mm



1000V  CrV



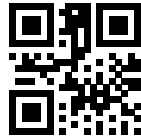
5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

VDE INSULATED SIDE CUTTING PLIERS 160MM

598026

TECHNICAL DATA

- Type: Cutting pliers 1000V
- Size: 160 mm



VDE INSULATED CABLE CUTTER PLIERS 150MM

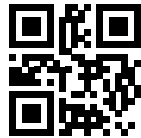
598000

TECHNICAL DATA

- Type: Cutting pliers 1000V
- Size: 150 mm



1000V  CrV



VDE INSULATED WIRE STRIPPING PLIERS 160MM

598029

TECHNICAL DATA

- Type: Wire stripping pliers 1000V
- Size: 160 mm



1000V  CrV



VDE INSULATED WATER PUMP PLIERS 238MM

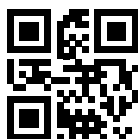
598129

TECHNICAL DATA

- Type: Water pump pliers 1000V
- Size: 238 mm



1000V  CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended



VDE INSULATED SCREWDRIVER- SLOTTED

598014

TECHNICAL DATA

- Type: Screwdriver 1000V- slotted
- Size: 2.5x75 mm

598015

TECHNICAL DATA

- Type: Screwdriver 1000V- slotted
- Size: 4x100 mm

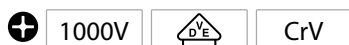
598016

TECHNICAL DATA

- Type: Screwdriver 1000V- slotted
- Size: 5.5x125 mm



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended



VDE INSULATED SCREWDRIVER- PH

598017

TECHNICAL DATA

- Type: Screwdriver 1000V- PH
- Size: PH0x60 mm

598018

TECHNICAL DATA

- Type: Screwdriver 1000V- PH
- Size: PH1x80 mm

598019

TECHNICAL DATA

- Type: Screwdriver 1000V
- Size: PH2x100 mm

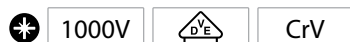
598020

TECHNICAL DATA

- Type: Screwdriver 1000V-PH
- Size: PH3x150 mm



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended



VDE INSULATED SCREWDRIVERS- PZ

598021

TECHNICAL DATA

- Type: Screwdriver 1000V- PZ
- Size: PZ0x60 mm

598022

TECHNICAL DATA

- Type: Screwdriver 1000V- PZ
- Size: PZ1x80 mm

598023

TECHNICAL DATA

- Type: Screwdriver 1000V- PZ
- Size: PZ2x100 mm



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

VDE INSULATED TOOLS 8PCS, SET

598130

SET INCLUDES

- 1pc VDE long nose plier 150mm
- 1pc VDE diagonal cutting plier 150mm
- 1pc VDE screwdriver PH1 x 4.5 x 80mm
- 1pc VDE screwdriver PH2 x 6 x 100mm
- 1pc VDE screwdriver 0.4 x 2.5 x 75mm
- 1pc VDE screwdriver 0.8 x 4 x 100mm
- 1pc VDE voltage tester 140mm
- 1pc Insulating red tape

8/pcs 1000V CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

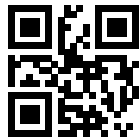
VDE INSULATED SCREWDRIVERS 7PCS, SET

598132

SET INCLUDES

- 3pcs slotted: 6.5 x 150mm; 5.5 x 125mm; 4 x 100mm
- 3pcs Phillips: PH2 x 100mm; PH1 x 80mm; PH0 x 60mm
- 1pc single-pole voltage tester

7/pcs 1000V CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

VDE INSULATED SCREWDRIVERS 13PCS, SET

598024

SET INCLUDES

- 4pcs slotted: 1.2 x 6.5 x 100mm; 1 x 5.5 x 100mm; 0.8 x 4 x 100mm; 0.5 x 3 x 100mm
- 2pcs Phillips: PH2 x 100mm; PH1 x 80mm
- 2pcs Pozidriv: PZ2 x 100mm; PZ1 x 80mm
- 3pcs Torx: T20 x 100mm; T15 x 100mm; T10 x 100mm
- 1pc single-pole voltage tester
- 1pc screwdriver handle

13/pcs 1000V CrV



CrV



CRV SCREWDRIVERS- SLOTTED

598100

TECHNICAL DATA

- Type: Screwdriver- slotted
- Size: 3x75 mm

598101

TECHNICAL DATA

- Type: Screwdriver- slotted
- Size: 5x38 mm

598102

TECHNICAL DATA

- Type: Screwdriver- slotted
- Size: 5x100 mm



CrV



CRV SCREWDRIVERS- PH

598103

TECHNICAL DATA

- Type: Screwdriver- Phillips
- Size: PH0x75 mm

598104

TECHNICAL DATA

- Type: Screwdriver- Phillips
- Size: PH1x75 mm

598105

TECHNICAL DATA

- Type: Screwdriver- Phillips
- Size: PH2x100 mm

598106

TECHNICAL DATA

- Type: Screwdriver- Phillips
- Size: PH2x150 mm

598107

TECHNICAL DATA

- Type: Screwdriver- Phillips
- Size: PH3x150 mm



CrV



CRV SCREWDRIVERS- PZ

598108

TECHNICAL DATA

- Type: Screwdriver- Pozidrive
- Size: PZ1x75 mm

598109

TECHNICAL DATA

- Type: Screwdriver- Pozidrive
- Size: PZ2x100 mm

598110

TECHNICAL DATA

- Type: Screwdriver- Pozidrive
- Size: PZ3x150mm



7/pcs CrV



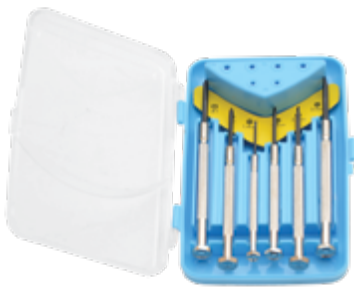
WATCH SCREWDRIVERS 7PCS, SET

598112

SET INCLUDES

- 6pcs screwdrivers
- 1pc magnifier

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



6/pcs CrV



PRECISION SCREWDRIVERS 6PCS, SET

598119

SET INCLUDES

- 2pcs Phillips: PH0; PH1
- 4pcs slotted: 1.4mm; 2mm; 2.4mm; 3mm

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



32/pcs CrV



WATCH SCREWDRIVERS 32PCS, SET

598113

SET INCLUDES

- 20pcs slotted, PH, PZ, Torx and Hex screwdriver bits
- 9pcs socket bits
- 1pc bit driver
- 1pc ratchet handle
- 1pc precision batch handle

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



11/pcs CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

RATCHET SCREWDRIVER 11PCS, SET

598111

SET INCLUDES

- 3pcs slotted bits: 3; 4; 5mm
- 3pcs Phillips bits: PH1; PH2; PH3
- 2pcs Pozidriv: PZ1; PZ2
- 2pcs Torx: T10; T15
- 1pc ratchet screwdriver



18/pcs CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

RATCHET WRENCH AND SCREWDRIVER 18PCS SET

598114

SET INCLUDES

- 1pc mini ratchet T-handle
- 1pc 25mm adaptor
- 1pc magnetic extension shaft
- 3pcs slotted: 3.0, 5.0, 6.0mm
- 3pcs Phillips: PH1, PH2, PH3
- 3pcs Torx: T10, T15, T20
- 6pcs sockets: 5, 6, 7, 8, 9, 10mm



48/pcs CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

T-HANDLE RATCHET SCREWDRIVER 48PCS SET

598115

SET INCLUDES

- 1pc T-handle screwdriver
- 1pc adjustable extension bar
- 1pc adaptor
- 10pcs 1/4" CRV sockets: 12, 11, 10, 9, 8, 7, 6, 5, 4.5, 4mm
- 35pcs Cr-v bits (6.35x25mm)



61/pcs CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

RATCHET T-DRIVER 61PCS SET

598116

SET INCLUDES

- 1pc ratchet T-handle
- 1pc precision screwdriver handle
- 1pc soft extension bar
- 1pc adaptor
- 1pc 140mm extension bar
- 17pcs Cr-v bits(6.35x25mm)
- 30pcs Cr-v bits(4x28mm)
- 9pcs 1/4" sockets



6/pcs CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

SCREWDRIVER 6PCS SET

598117

SET INCLUDES

- 3pcs slotted: 3x75mm; 3x100mm; 6x150mm
- 3pcs Phillips: PH0x75mm; PH1x100mm; PH2x150mm



10/pcs CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

SCREWDRIVER BIT WITH PP BOX 10PCS SET

598452

SET INCLUDES

- 10pcs 50mm screwdriver bit



17/pcs

CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

SCREWDRIVER BIT TOOL 17PCS SET

598453

SET INCLUDES

- 5 pcs slotted: 3mm; 4mm; 5mm; 6mm; 7mm x 25mm
- 5 pcs Torx: T-10; T-15; T20; T25; T-30 x 25mm
- 3 pcs Pozidriv: PZ1; PZ2; PZ3 x 25mm
- 3 pcs Phillips: PH1; PH2; PH3 x 25mm
- 1 pc quick bit holder x 60mm



6/pcs

CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

SCREWDRIVER 6PCS SET

598133

SET INCLUDES

- 3pcs slotted: 4x75mm; 5x100mm; 6x125mm
- 3pcs Phillips: PH1x75mm; PH1x100mm; PH2x125mm



12/pcs

CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

RATCHET SCREWDRIVER 12PCS SET

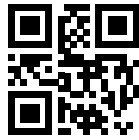
598118

SET INCLUDES

- 6pcs slotted: 6x38mm; 3x75mm; 5x75mm; 6x100mm; 8x150mm; 9x200mm
- 6pcs Phillips: PH2x38mm; PH0x75mm; PH1x75mm; PH2x100mm; PH3x150; PH4x200



30/pcs CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

SCREWDRIVER BITS 30PCS SET

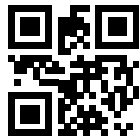
598120

SET INCLUDES

- 9pcs Torx: T4, T5, T6, T7, T8, T9, T10, T15, T20
- 9pcs slotted: 1.0mm, 1.2mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm, 4.0mm
- 4pcs Phillips
- 8pcs Hex: 0.7mm, 0.9mm, 1.3mm, 1.5mm, 2.0mm, 2.5mm, 3.0mm, 4.0mm
- 1pc bits holder
- 1pc screwdriver handle



20/pcs CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

SOCKETS AND SCREWDRIVER BITS 20PCS SET

598121

SET INCLUDES

- 2pcs Phillips: PH1; PH2
- 2pcs Pozidrive: PZ1; PZ2
- 2pcs slotted: 5mm; 6mm
- 7pcs Torx: T10; T15; T20; T27; T30; T40
- 5pcs socket: 6mm; 7mm; 8mm; 10mm; 13mm
- 1pc stubby ratchet handle



41/pcs CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

MINI RATCHET SCREWDRIVER 41PC SET

598134

SET INCLUDES

- 4pcs Phillips: PH0; PH1; PH2; PH3
- 4pcs Pozidrive: PZ0; PZ1; PZ2; PZ3
- 8pcs slotted: 3mm; 4mm; 5mm; 6mm; 1/8; 5/32; 3/16; 1/4
- 6pcs 1/4" sockets: 5-10mm
- 1pc 25mm 1/4 inch socket adaptor
- 1pc 60mm 1/4 inch magnetic extension bar



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CRV COMBINATION PLIER 160MM

598122

TECHNICAL DATA

- Type: Combination pliers
- Material: Chrome vanadium + TPE
- Size: 160 mm

CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CRV COMBINATION PLIER 180MM

598123

TECHNICAL DATA

- Type: Combination pliers
- Material: Chrome vanadium + TPE
- Size: 180 mm

CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CRV LONG NOSE PLIERS 175MM

598125

TECHNICAL DATA

- Type: Long nose pliers
- Material: Chrome vanadium + TPE
- Size: 175 mm

CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

3PCS MINI PLIERS 117MM, SET

598039

TECHNICAL DATA

- Type: Mini flat, diagonal and round nose pliers, SET
- Material: Chrome vanadium
- Size: 117 mm

CrV



CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CRV DIAGONAL SIDE CUTTING PLIERS 180MM

598124

TECHNICAL DATA

- Type: Diagonal side cutting pliers
- Material: Chrome vanadium + TPE
- Size: 180 mm



CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CRV WIRE STRIPPING PLIERS 160MM

598126

TECHNICAL DATA

- Type: Wire stripping pliers
- Material: Chrome vanadium + TPE
- Size: 160 mm



CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CRV MULTI- FUNCTIONAL WIRE STRIPPING CLAMP 225MM

598127

TECHNICAL DATA

- Type: Multi-functional pliers
- Material: Chrome vanadium + TPE
- Size: 225 mm



CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CRV GROVE JOINT PLIERS 250MM

598128

TECHNICAL DATA

- Type: Grove joint pliers
- Material: Chrome vanadium + TPE
- Size: 250 mm



BOLT CUTTER 600MM

598161

TECHNICAL DATA

- Type: Bolt cutter
- Size: 600 mm



TINMAN'S SNIPS GERMANY'S TYPE 300MM

598181

TECHNICAL DATA

- Type: Tinman's snips Germany's type
- Forged entirely, cutting edges induction quenched with spring and lock by oxide
- Size: 300mm



LOCKING PLIERS 250MM

598155

TECHNICAL DATA

- Type: Locking pliers
- Material: Chrome vanadium
- Quick easy locking and release action
- Curved jaws with wire cutters
- Turn screw to adjust holding pressure fit work
- Size: 250mm



CrV



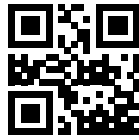
PRUNING SHEARS 200MM

598193

TECHNICAL DATA

- Type: Pruning shears
- Material: Heat-treated carbon steel head
- Soft and ergonomic handles
- Non-stick blades
- Size: 200mm





5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

QUICK RATCHET CLAMP

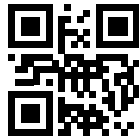
598157

TECHNICAL DATA

- Type: Quick ratchet clamp
- Material: Hardened and tempered carbon steel
- Handle material: Nylon + tempered rubber
- Wide opening
- Quick release soft-grip handles



CrV



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CARPENTER PLIERS 200MM

598156

TECHNICAL DATA

- Material: Chrome vanadium
- Comfort grip handles
- Size: 200mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

RIVED GUN

598163

TECHNICAL DATA

- Type: Rivet gun
- Size: 250 mm
- Chrome vanadium jaws
- Steel construction with ergonomic grip handle
- Spring loaded handle ejects rivet stem automatically
- Fits rivet sizes: 2.4mm; 3.2mm; 4.0mm; 4.8mm
- One wrench stored in handle



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

FOLDING HAND REVERTER

598164

TECHNICAL DATA

- Type: Folding hand reverter
- Nozzle size: 3.2mm; 4.0mm; 4.8mm; 6.0mm; 6.4mm
- Size: 800 mm



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

HEAVY DUTY THREE WAY STAPLE GUN

598323

TECHNICAL DATA

- Material: Chrome finishing metal
- Hi/low power switch for driving control
- Quick jam release button
- For flat wire staples: 4-14mm
- For U- cable staples: 10-12mm
- For brad nails: 10-14mm



U-CABLE STAPLES FOR STAPLES GUN

598324

TECHNICAL DATA

- Size: 10mm

598325

TECHNICAL DATA

- Size: 12mm



FLAT STAPLES FOR STAPLES GUN

598326

TECHNICAL DATA

- Size: 6mm

598327

TECHNICAL DATA

- Size: 8mm

598328

TECHNICAL DATA

- Size: 10mm

598329

TECHNICAL DATA

- Size: 12mm

598330

TECHNICAL DATA

- Size: 14mm



BRAD NAILS FOR STAPLES GUN

598331

TECHNICAL DATA

- Size: 10mm

598332

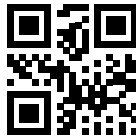
TECHNICAL DATA

- Size: 12mm

598333

TECHNICAL DATA

- Size: 14mm



PVC PIPE CUTTER

598165

TECHNICAL DATA

- Type: PVC pipe cutter
- Body material: Aluminum
- Blade material: 65Mn Steel
- Cutting capacity: 3 - 42mm

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



UTILITY KNIFE

598202

TECHNICAL DATA

- Type: Utility knife
- Body material: Strong tubular handles with rubber grips
- Blade material: SK5
- Blades QTY: 3 pcs

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



UTILITY KNIFE BLADES, 10PCS

598207

TECHNICAL DATA

- Type: Utility knife blades
- Blade material: Steel SK5



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

HEAVY DUTY ZINC ALLOY UTILITY KNIFE

598203

TECHNICAL DATA

- Type: Utility knife
- Body material: Steel
- Blade material: SK5
- Blades QTY: 5 pcs



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

ELECTRICIAN'S FOLDABLE KNIFE

598204

TECHNICAL DATA

- Type: Electrician's knife
- Blade material: Steel, no rust



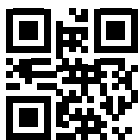
5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

ROTARY CUTTERS

598205

TECHNICAL DATA

- Type: Rotary cutters
- Blade material: Steel
- Usage: For fabric and sewing work



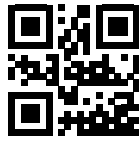
2 YEARS TOTAL WARRANTY
+ 2 standard
+ 0 extended

GLASS SCRAPERS

598206

TECHNICAL DATA

- Type: Glass scrapers
- Blade material: Steel



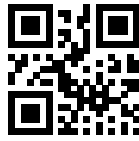
MULTI TOOL 12 IN 1

598208

TECHNICAL DATA

- Type: Multi tool 12 in 1
- Material: Stainless steel construction with anodized aluminum handle

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



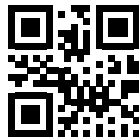
MULTI TOOL

598209

TECHNICAL DATA

- Type: Multi tool
- Material: Stainless steel construction with anodized aluminum handle

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



MULTI TOOL 16 IN 1

598211

TECHNICAL DATA

- Type: Multi tool 16 in 1
- Material: Stainless steel construction with anodized aluminum handle

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

9PCS BALL POINT INNER HEX KEY SET, LONG ARM

598250

TECHNICAL DATA

- Type: Ball point inner hex key, SET
- Material: Chrome vanadium steel
- Length: 170mm
- Hex key sizes: 1.5mm; 2mm; 2.5mm; 3mm ; 4mm; 5mm; 6mm; 8mm; 10mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

9PCS HEX KEY SET, LONG ARM

598252

TECHNICAL DATA

- Type: Hex key, SET
- Material: Chrome vanadium steel
- Length: 170mm
- Hex key sizes: 1.5mm; 2mm; 2.5mm; 3mm ; 4mm; 5mm; 6mm; 8mm; 10mm
- Hex key sizes: 1.5mm; 2mm; 2.5mm; 3mm ; 4mm; 5mm; 6mm; 8mm; 10mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

9PCS STAR KEY SET, LONG ARM

598254

TECHNICAL DATA

- Type: Star key, SET
- Material: Chrome vanadium steel
- Length: 170mm
- Star key sizes: T10, T15, T20, T25, T27, T30, T40, T45, T50



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

7PCS T-HANDLE HEX SET

598253

TECHNICAL DATA

- Type: T-handle hex, SET
- Material: Chrome vanadium steel
- T-handle hex sizes: 1.5mm; 2mm; 2.5mm; 3mm; 4mm; 5mm; 6mm; 8mm; 10mm



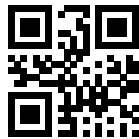
5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

25PCS BALL POINT INNER HEX KEY SET

598251

TECHNICAL DATA

- Type: Ball point inner hex key, SET
- Material: Chrome vanadium steel
- Hex key sizes: 1.27mm, 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 10mm
- 0.1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

CROSS RIM WRENCH

598255

TECHNICAL DATA

- Type: Cross rim wrench
- Material: High quality carbon steel fully polished, chrome plated
- Sizes: 17mm, 19mm, 21mm, 23mm



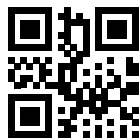
5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

EXTENDABLE PLUG WRENCH

598256

TECHNICAL DATA

- Type: Extendable plug wrench
- Material: High quality carbon steel
- Socket: 40 CrV steel drop forged
- Length: 350-530mm
- Sizes: 17mm, 19mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

16PCS DIN METRIC TAP AND DIE SET

598399

- Type: Tap and die, SET

SET INCLUDES

- 7 x tap: M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75mm
- 7 x die: M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75mm
- 1 x tap wrench: M3 - M12
- 1 x die wrench: 1"



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

15PCS 3/8 SOCKET SET

598257

TECHNICAL DATA

- Type: Socket SET 3/8
- Material: Chrome vanadium steel

SET INCLUDES

- 10 x Socket 3/8: 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm, 21 mm, 22mm, 24mm
- 2 x Extended bar 3/8: 3", 6"
- 2 x Spark plug socket 3/8: 16mm, 21 mm
- 1 x Flipper ratchet handle 3/8



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

60PCS 1/4 & 1/2 SOCKET SET

598259

TECHNICAL DATA

- Type: Socket SET 1/4 & 1/2
- Material: Chrome vanadium steel

SET INCLUDES

- 18 x Socket 1/2: 10mm-24mm; 27mm; 30mm; 32mm
- 13 x Socket 1/4: 4mm-14mm
- 2 x Spark plug socket: 16mm & 21mm
- 4 x Extension bar 1/2: 125mm, 250mm; 1/4: 50mm, 100mm
- 2 x universal joint 1/4 & 1/2
- 1 x 1/2 T-cock socket
- 1 x Squarebar
- 1 x 1/4 slide bar
- 3 x Hex key wrench: 1.5mm, 2mm, 2.5mm
- 12 x Combination wrench: 8mm-19mm
- 2 x 72T ratchet handle 1/4 & 1/2, with quick release
- 1 x Flexible extension bar 1/4: 150mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

46PCS 1/4 SOCKET SET

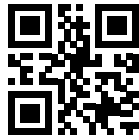
598258

TECHNICAL DATA

- Type: Socket SET 1/4
- Material: Chrome vanadium steel

SET INCLUDES

- 13 x Socket 1/4: 4mm-14mm
- 21 x 1/4 Inserted bit socket.
- 1 x Bit adapter 30L
- 2 x 1/4 Extension bar: 2" & 4"
- 1 x 1/4 Spinner handler
- 1 x 1/4 Universal joint
- 1 x 1/4 Sliding handler
- 1 x 1/4 Flipper ratchet handle-24T
- 1 x 1/4 Flexible extension bar: 150mm
- 3x Hex key wrench: 1.5 - 2.5mm
- 1 x Blow case

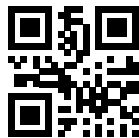


HAMMER 300GR

598350

TECHNICAL DATA

- Material: Reinforced fiber glass shaft, impact absorbent soft grip
- Drop forged alloy steel head
- Weight: 300gr



HAMMER 500GR

598351

TECHNICAL DATA

- Material: Reinforced fiber glass shaft, impact absorbent
- Weight: 500gr



RUBBER MALLET 450GR

598352

TECHNICAL DATA

- Designed to protect the workpiece where a metal hammer may cause damage
- Reinforced fiber glass shaft
- Hard wood handle
- Weight: 450gr



CLAW HAMMER 450GR

598353

TECHNICAL DATA

- Drop-Forged alloy steel
- Reinforced fiber glass shaft with plastic cover
- Impact-Absorbent soft grip
- Weight: 450gr





5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

WRECKING BAR

598260

TECHNICAL DATA

- Material: High carbon painted steel
- Usage: For pulling nails, wrecking / dismantling and prying
- Size: 300x16



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

CHISEL AND PUNCH WITH TPR HANDLE 300MM

598320

TECHNICAL DATA

- Material: Steel with thermoplastic rubber handle
- Size: 16x300mm



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

3PCS 200MM STEEL FILE SET

598321

TECHNICAL DATA

- Material: High carbon-content steel, double-cut surfaces
- Handle: thermoplastic rubber comfort-grip handle
- SET includes: Round, half round and flat file
- Length: 200mm



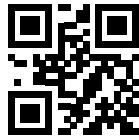
5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

3PCS 200MM WOOD RASP FILE SET

598322

TECHNICAL DATA

- Material: High carbon-content steel, double-cut surfaces
- Handle: thermoplastic rubber comfort-grip handle
- SET includes: Round, half round and flat file
- Length: 200mm



MEASURE TAPE 5X19

598340

TECHNICAL DATA

- Material: Plastic
- With one stop
- Length: 5m
- Width: 19mm

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



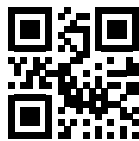
MEASURE TAPE 5X25

598341

TECHNICAL DATA

- Material: Heavy duty rubber cover
- With one locking button
- Length: 5m
- Width: 25mm

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



FIBERGLASS MEASURE TAPE 50M

598349

TECHNICAL DATA

- Material: ABS, plastic and fiberglass
- Length: 50m
- Width: 13mm

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

CALIPER

598342

TECHNICAL DATA

- Material: Hardened aluminum
- Measurement options: Internal, external, depth and step
- Satin scales and beam with fine screw adjusting
- Supplied in plastic storage case and display packed
- Reading: 0,02mm and 1/1000"
- Length: 150mm



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

DIGITAL CALIPER

598343

TECHNICAL DATA

- Material: Hardened aluminum
- Measurement options: Internal, external, depth and step
- LCD display
- Includes 1.5 volt button
- Storage case
- Length: 150mm



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

SPIRIT LEVEL 225MM

598344

TECHNICAL DATA

- Lightweight aluminum frame
- Rubber ends for shock absorption
- Strong-holding magnetic base with milled edge
- Measurement type: Level and 45 degree
- Length: 225mm



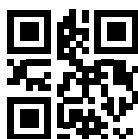
5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

ALUMINUM FRAME SPIRIT LEVEL 400MM

598345

TECHNICAL DATA

- Frame material: Aluminum
- Frame thickness: 1.4mm
- Length: 400mm



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

ALUMINUM FRAME SPIRIT LEVEL 600MM

598346

TECHNICAL DATA

- Frame material: Aluminum
- Frame thickness: 1.4mm
- Length: 600mm



TELESCOPING INSPECTION MIRROR

598347

TECHNICAL DATA

- Material: Chrome plated brass tube
- 50mm telescopic inspection mirror
- Telescopic length: 200-360mm

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



MAGNETIC PICK UP TOOL WITH LIGHT

598348

TECHNICAL DATA

- Pick up capacity: 3,6kg
- Light: 1 LED

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



5PCS WOOD WORKING DRILL, SET

598370

TECHNICAL DATA

- Sizes: 4mm, 5mm, 6mm, 8mm, 10mm

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



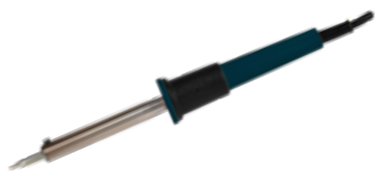
5PCS MASONRY DRILL, SET

598371

TECHNICAL DATA

- Sizes: 4mm, 5mm, 6mm, 8mm, 10mm

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

SOLDERING TOOL 60W, EL-ST001-2

59612

TECHNICAL DATA

- Rated voltage: 230V/ 50Hz
- Power: 60W
- Max. temperature: 300°C
- Preheat time: 2-3min
- Cable length: 1.5m

INCLUDED ACCESSORIES

- 1 x soldering tool holder



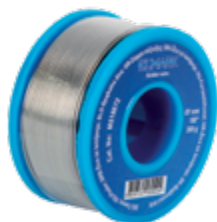
5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

SOLDERING GUN 100W

598175

TECHNICAL DATA

- Voltage: 230V, 50/60Hz
- Input power: 100W
- With plastic case



SOLDER WIRE

M516072

- Type: Solder wire
- Solder alloy: Sn-60%; PB-40%
- External diameter: 1 mm
- Melting temperature: 180°C
- Weigh: 170 g



ROSIN

M500632

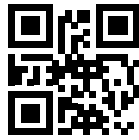
APPLICATION

It serves to degrease the soldering parts and the soldering tip of the soldering iron.

Facilitates the flow of solder.

Increases efficiency of the soldering process.

Weight: 50 g



3 YEARS TOTAL WARRANTY
+ 3 standard
0 extended

HOT MELT GLUE GUN

598174

TECHNICAL DATA

- Voltage: 230V, 50/60Hz
- Input power: 60W
- Pre-heat time: 3-5min
- Glue stick diameter: 11.2mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

ADJUSTABLE HACKSAW FRAME

598191

TECHNICAL DATA

- Handle: Aluminum
- Tube: Flat with 65 manganese steel
- Size: 250 - 300mm



10 PCS HACKSAW BLADES, SET

598192

TECHNICAL DATA

- Length: 250mm



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

TILE CUTTER

598158

TECHNICAL DATA

- Maximum cut thickness: 14mm
- Working length: 600mm
- Replaceable cutting blades



3 IN 1 PLASTIC TOOL BOX

595110

TECHNICAL DATA
• Material: Plastic
• Size: 15"

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



3 IN 1 PLASTIC TOOL BOX

595111

TECHNICAL DATA
• Material: Plastic
• Size: 18"

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

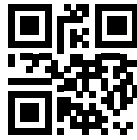


3 IN 1 PLASTIC TOOL BOX

595112

TECHNICAL DATA
• Material: Plastic
• Size: 21"

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



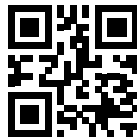
STAINLESS STEEL TOOL BOX

595113

TECHNICAL DATA

- Material: Stainless steel
- Size: 14"

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



STAINLESS STEEL TOOL BOX

595114

TECHNICAL DATA

- Material: Stainless steel
- Size: 17"

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



STAINLESS STEEL TOOL BOX

595115

TECHNICAL DATA

- Material: Stainless steel
- Size: 19"

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

IRON TOOL BOX

595119

TECHNICAL DATA

- Material: Iron
- Finishing: Powder coating
- Size: 400x200x150mm



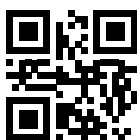
5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

TOOL BAG

595116

TECHNICAL DATA

- Material: Fabric
- With useful inner and outer pockets



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

TOOL BAG

595117

TECHNICAL DATA

- Material: Fabric
- With useful inner and outer pockets
- Adjustable shoulder strap



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

TOOL BAG

595118

TECHNICAL DATA

- Material: Fabric
- With useful inner and outer pockets
- Adjustable shoulder strap

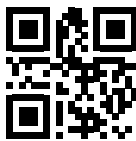
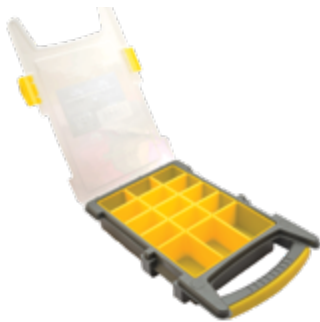


PLASTIC STORAGE BOX

595120

TECHNICAL DATA

- Material: Plastic
- Drawers QTY: 24
- Size: 500x160x390mm

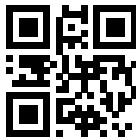


PLASTIC ORGANISER BOX

595121

TECHNICAL DATA

- Material: Plastic
- Box compartment QTY: 15
- Removable trays
- Size: 210x335x62mm



PLASTIC ORGANISER BOX

595122

TECHNICAL DATA

- Material: Plastic
- Box compartment QTY: 19
- Removable trays
- Size: 420x335x62mm



WELDING EARTH CLAMP 300A

595123

TECHNICAL DATA

- Maximum load: 300A
- High conductivity and oxidation resistant
- Thanks to the strong clamping force of the spring, the earth clamp can be securely and reliably fastened to the workpiece.
- The earth clamp is suitable for various types of welding and cutting such as TIG | MIG MAG | MMA and plasma.





5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

1/4 RATCHET WRENCH

598278

TECHNICAL DATA

- Gear type: Reversible, 72-tooth gear
- Material: Chrome vanadium steel
- Mechanism: Reversible with quick release
- Size: 1/4



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

3/8 RATCHET WRENCH

598279

TECHNICAL DATA

- Gear type: Reversible, 72-tooth gear
- Material: Chrome vanadium steel
- Mechanism: Reversible with quick release
- Size: 3/8



5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

1/2 RATCHET WRENCH

598277

TECHNICAL DATA

- Gear type: Reversible, 72-tooth gear
- Material: Chrome vanadium steel
- Mechanism: Reversible with quick release
- Size: 1/2



5 YEARS TOTAL WARRANTY
+ 3 standard
+ 2 extended

COMBINATION SPANNERS

TECHNICAL DATA

- Material: High quality forged chrome vanadium steel
- Offset: 15° as per DIN3113
- Satin chrome plated against corrosion
- DIN3113

Catalogue number	Size (mm)	Length (mm)	Offset ring end	Packing (pcs) / carton
598280	6	110	15°	1/10/500
598281	7	120	15°	1/10/500
598282	8	130	15°	1/10/500
598283	9	140	15°	1/10/500
598284	10	150	15°	1/10/500
598285	11	160	15°	1/10/250
598286	12	170	15°	1/10/250
598287	13	180	15°	1/10/250
598288	14	190	15°	1/10/250
598289	15	200	15°	1/10/250
598290	16	210	15°	1/10/200
598291	17	220	15°	1/10/200
598292	18	230	15°	1/10/100
598293	19	235	15°	1/10/100
598294	20	250	15°	1/10/100
598295	21	260	15°	1/10/100
598296	22	270	15°	1/10/100
598297	23	280	15°	1/10/50
598298	24	290	15°	1/5/50
598299	25	300	15°	1/5/50
598300	26	310	15°	1/5/50
598301	27	320	15°	1/5/50
598302	28	330	15°	1/5/50
598303	29	340	15°	1/5/50
598304	30	350	15°	1/5/50
598305	32	370	15°	1/5/50

DOUBLE OPEN END SPANNERS



TECHNICAL DATA

- Material: High quality forged chrome vanadium steel
- Satin chrome plated against corrosion

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

Catalogue number	Size (mm)	Length (mm)	Packing (pcs) / carton
598261	5.5x7	120	1/10/500
598262	6x7	120	1/10/500
598263	8x9	140	1/10/500
598264	9x11	155	1/10/250
598265	10x11	155	1/10/250
598266	12x13	170	1/10/200
598267	14x15	180	1/10/200
598268	16x17	200	1/10/100
598269	18x19	220	1/10/100
598270	20x22	230	1/10/100
598271	21x23	245	1/10/100
598272	22x24	250	1/10/100
598273	23x26	260	1/5/60
598274	25x28	270	1/5/50
598275	27x30	280	1/5/50
598276	30x32	295	1/5/50

DOUBLE OFFSET RING SPANNER



TECHNICAL DATA

- Material: High quality forged chrome vanadium steel
- Satin chrome plated against corrosion

5 YEARS TOTAL WARRANTY
+ 3 standard
2 extended

Catalogue number	Size (mm)	Length (mm)	Offset ring end	Packing (pcs) / carton
598306	5.5x7	155	75°	1/10/500
598307	6x7	165	75°	1/10/500
598308	8x9	185	75°	1/10/500
598309	9x11	195	75°	1/10/250
598310	10x11	200	75°	1/10/250
598311	12x13	220	75°	1/10/250
598312	14x15	230	75°	1/5/200
598313	16x17	255	75°	1/5/200
598314	18x19	270	75°	1/5/100
598315	20x22	290	75°	1/5/100
598316	21x23	310	75°	1/5/100
598317	24x27	330	75°	1/5/50
598318	25x28	355	75°	1/5/50
598319	30x32	390	75°	1/5/50



7 PCS BI-METAL HOLE SAW SET

598432

SET INCLUDES

- 5 x Hole saw: 38mm; 44mm; 52mm; 57mm; 64mm
- 1 x Arbor
- 1 x Pilot drill



13 PCS BI-METAL HOLE SAW SET

598433

SET INCLUDES

- 5 x Hole saw: 38mm; 44mm; 52mm; 57mm; 64mm
- 1 x Arbor
- 1 x Pilot drill



HOLLOW HAMMER DRILL D65

598427

TECHNICAL DATA

- Diameter: 65mm
- Length: 72mm
- Suitable with connection rod and guiding drill with catalogue numbers 598429

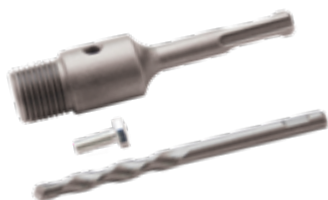


HOLLOW HAMMER DRILL D80

598428

TECHNICAL DATA

- Diameter: 80mm
- Length: 72mm
- Suitable with connection rod and guiding drill with catalogue numbers 598429

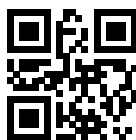


CONNECTION ROD + GUIDING DRILL SET

598429

TECHNICAL DATA

- Connection rod shank: SDS
- Connection rod length: 100mm
- Guiding drill type: Masonry
- Guiding drill diameter: 8mm
- Guiding drill length: 110mm
- Suitable with hollow hammer drills with catalogue numbers 598427 & 598428



SDS-PLUS HEXAGONAL POINTED CHISEL, 250MM

598419

TECHNICAL DATA

- Type: Hexagonal
- Shank: SDS-plus
- Diameter: 10mm
- Length: 250mm



SDS-PLUS FLAT COLD CHISEL, 250MM

598420

TECHNICAL DATA

- Type: Flat
- Shank: SDS-plus
- Diameter: 10mm
- Length: 250mm



SDS-PLUS GROOVING CHISEL, 250MM

598421

TECHNICAL DATA

- Type: Gouge
- Shank: SDS-plus
- Diameter: 10mm
- Length: 250mm



SDS-PLUS GROOVING CHISEL WITH STOP, 250MM

598422

TECHNICAL DATA

- Type: Winged chisel
- Shank: SDS-plus
- Diameter: 10mm
- Length: 250mm



SDS-MAX POINTED CHISEL, 400MM

598423

TECHNICAL DATA

- Type: Pointed
- Shank: SDS-Max
- Diameter: 18mm
- Length: 400mm

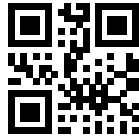


SDS-MAX FLAT COLD CHISEL, 400MM

598424

TECHNICAL DATA

- Type: Flat
- Shank: SDS-Max
- Diameter: 18mm
- Length: 400mm



SDS-MAX GROOVING CHISEL, 300MM

598425

TECHNICAL DATA

- Type: Gouge
- Shank: SDS-Max
- Diameter: 18mm
- Length: 300mm



SDS-MAX GROOVING CHISEL WITH STOP, 380MM

598426

TECHNICAL DATA

- Type: Winged chisel
- Shank: SDS-Max
- Diameter: 18mm
- Length: 380mm



12 PCS SDS-PLUS HAMMER DRILL BIT SET

598431

SET INCLUDES

- 9 x drill bit: 5x110mm; 6x110mm; 8x110mm; 10x160mm; 12x160mm; 14x200mm; 16x210mm; 18x300mm; 20x450mm
- 1x pointed chisel 14x250mm
- 1x flat chisel 14x250mm
- 1x grooving chisel 14x250mm

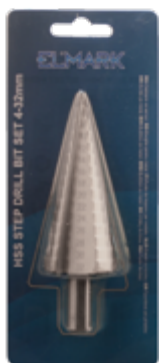


17 PCS SDS-PLUS HAMMER DRILL BIT SET

598430

SET INCLUDES

- 12 x drill bit: 5x110mm; 6x110mm; 8x110mm; 10x110mm; 6x160mm; 8x160mm; 2x (10x160mm); 8x210mm; 10x210mm; 12x260mm; 14x260mm
- 2x pointed chisel: 14x140mm; 14x250mm
- 1x flat chisel 14x250x20mm; 14x250x40mm
- 1x grooving chisel 14x250mm



HSS STEP DRILL BIT 4-32MM

598418

TECHNICAL DATA

- Material: High speed steel
- Size: 4-32mm



HSS 4241 TWIST DRILL FOR METAL DIN338 BRIGHT FINISHING 118°

TECHNICAL DATA

- Material: High speed steel HSS 4241
- Cutting edge: 118°
- Surface finishing: Bright

Catalogue number	Diameter (mm)	Working length (mm)	Total length (mm)	Packing (pcs) / carton
598373	3	33	61	1 / 125 / 500
598374	4	43	75	1 / 125 / 500
598375	5	52	86	1 / 100 / 400
598376	6	57	93	1 / 50 / 200
598377	8	75	117	1 / 50 / 200
598378	9	115	175	1 / 50 / 200
598379	10	121	184	1 / 50 / 200
598380	11	128	195	1 / 50 / 200
598381	12	134	205	1 / 50 / 200
598382	13	134	205	1 / 50 / 200



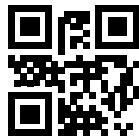


HSS M35 TWIST DRILL FOR METAL DIN338 TIN FINISHING 135°

TECHNICAL DATA

- Material: High speed steel M35 <Co 5%>
- Cutting edge: 118°
- Surface finishing: Bright

Catalogue number	Diameter (mm)	Working length (mm)	Total length (mm)	Packing (pcs) / carton
598385	1	12	34	1 / 125 / 500
598386	2	24	49	1 / 125 / 500
598387	3	33	61	1 / 125 / 500
598388	4	43	75	1 / 125 / 500
598389	5	52	86	1 / 125 / 500
598390	6	57	93	1 / 125 / 500
598391	7	102	156	1 / 50 / 200
598392	8	75	117	1 / 50 / 200
598393	9	115	175	1 / 50 / 200
598394	10	121	184	1 / 50 / 200
598395	11	128	195	1 / 50 / 200
598396	12	134	205	1 / 50 / 200
598397	13	134	205	1 / 50 / 200



MASONRY DRILL DIN8039 SAND PLATED 135°

TECHNICAL DATA

- Material: Sand plated steel
- Cutting edge: 135°
- Surface finishing: Sand plated

Catalogue number	Diameter (mm)	Working length (mm)	Total length (mm)	Packing (pcs) / carton
598400	6	60	100	1 / 125 / 500
598401	7	60	110	1 / 125 / 500
598402	8	80	125	1 / 50 / 200
598403	9	50	125	1 / 50 / 200
598404	10	80	125	1 / 50 / 200
598405	12	90	140	1 / 50 / 200



DOUBLE-FLUTED SDS HAMMER MASONRY DRILL DIN8035



Catalogue number	Diameter (mm)	Working length (mm)	Total length (mm)	Packing (pcs) / carton
598410	5	50	105	1 / 25/ 500
598411	6	50	105	1 / 25/ 500
598412	7	100	155	1 / 25/ 500
598413	8	100	155	1 / 25/ 500
598414	12	150	205	1 / 25/ 250
598415	5	80	135	1 / 25/ 500
598416	6	100	155	1 / 25/ 500
598417	7	150	205	1 / 25/ 500



18 PCS COMBINATION DRILL BIT SET

598398

SET INCLUDES

- 6 x HSS twist drill: 3mm; 4mm; 5mm; 6mm; 8mm; 10mm
- 6 x masonry drill: 3mm; 4mm; 5mm; 6mm; 8mm; 10mm
- 6 x wood drill: 3mm; 4mm; 5mm; 6mm; 8mm; 10mm



CUT OFF WHEEL FOR METAL

TECHNICAL DATA

- Type: T41
- Speed: 80 m/s



Catalogue number	Outer diameter (mm)	Inner diameter (mm)	Disc width (mm)	Packing (pcs) / carton
598437	115	22.2	1.0	1 / 100 / 400
598438	115	22.2	1.6	1 / 100 / 400
598439	125	22.2	1.6	1 / 100 / 400
598440	150	22.2	1.0	1 / 100 / 400
598441	150	22.2	1.6	1 / 100 / 400
598442	150	22.2	3.0	1 / 50 / 200





CUT OFF WHEEL FOR INOX

598443

TECHNICAL DATA

- Type: T41
- Speed: 80 m/s
- Outer diameter: 125 mm
- Inner diameter: 22.2 mm
- Disc width: 1.0 mm
- Packing (pcs) / carton: 1 / 25 / 400



FLAP DISC WITH FIBERGLASS BACKING PLATE

TECHNICAL DATA

- Type: T27
- Abrasive: Zirconia

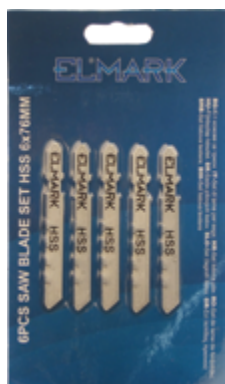
Catalogue number	Outer diameter (mm)	Inner diameter (mm)	Grit	Packing (pcs) / carton
598444	125	22.2	40	1 / 10 / 100
598445	150	22.2	60	1 / 5 / 100
598446	150	22.2	120	1 / 5 / 100
598447	180	22.2	60	1 / 5 / 100
598448	180	22.2	120	1 / 5 / 100



SAW BLADES FOR WOOD CUTTING

Catalogue number	Outer diameter (mm)	Inner diameter (mm)	Disc width (mm)	Teeth	Packing (pcs) / carton
598449	125	22.2	1.8	T36	1 / 50 / 100
598450	150	22.2	2.0	T36	1 / 25 / 50
598451	180	22.2	2.0	T40	1 / 25 / 50





6 PCS HSS JIGSAW METAL CUTTING BLADES SET

598435

TECHNICAL DATA

- Material: High speed steel
- Size: 6x76mm



5 PCS JIGSAW WOOD CUTTING BLADES SET

598434

TECHNICAL DATA

- Material: Steel
- Size: 5x100mm



6 PCS HSC JIGSAW WOOD CUTTING BLADES SET

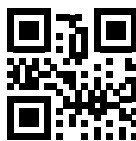
598436

TECHNICAL DATA

- Material: High carbon steel
- Size: 6x100mm

PERSONAL PROTECTIVE EQUIPMENT



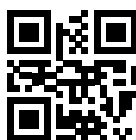


SAFETY HELMET

81050

TECHNICAL DATA

- Shell materials: ABS
- Venting: YES
- Suspension: 4-points
- Ratchet adjustment: YES
- Sweat band: Replaceable
- Colour: Yellow
- Weight: 400gr
- Anti-smash
- Electric insulation
- Standard: EN397

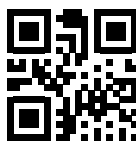


FACE SHIELD WITH CLEAR VISOR

81051

TECHNICAL DATA

- Visor materials: Clear PVC with aluminum tape
- Visor size (WxLxD): 390 x 220 x 0.6mm
- Top colour: Yellow
- Anti-splash
- Anti-wind
- Adjustable ratchet
- Standard: EN166

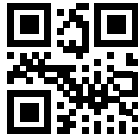


BUMP HAT WITH REFLECTIVE TAPE

81052

TECHNICAL DATA

- Outer materials: 100% cotton
- Inner material: ABS
- Top colour: Signal Yellow
- Size: 58-62cm adjustable
- Hard cap A1+: All round protection
- Standard: EN812

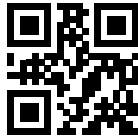


FOG SCRATCH RESISTANCE SAFETY GOGGLES

81053

TECHNICAL DATA

- Lens material: High quality clear PC
- Anti-scratch
- Anti fog
- Standard: EN166, ANSI Z87.1



ANTI SPLASH ANTI FOG SAFETY GOGGLE

81054

TECHNICAL DATA

- Lens material: High quality clear PC
- Anti-scratch
- Anti fog
- Standard: EN166, ANSI Z87.1



WIND RESISTANT ANTI FOG EYE PROTECTIVE GOGGLE

81055

TECHNICAL DATA

- Lens material: High quality clear PC
- Anti-scratch
- Anti fog
- Anti-wind
- Standard: EN166, ANSI Z87.1

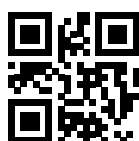


WHITE FFP2 MASK WITHOUT VALVE WITH EARLOOP

81057

TECHNICAL DATA

- Material: Non-woven fabric
- PFE: $\geq 96\%$
- 5 layer filtration protection
- Standard: EN149



NOISE PROOF SAFETY EARMUFFS

81058

TECHNICAL DATA

- Material: ABS
- SNR: 35dB
- Adjustable size
- Standard: EN352



NON-MEDICAL DISPOSABLE COVERALL WITH HAT

81064

TECHNICAL DATA

- Material: Non-woven fabric
- Size: XL
- Weight: 40gr
- Light wight
- Splash resistant

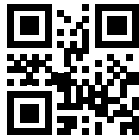


LEVEL 5 HPPE CUT RESISTANT GLOVES

81059/10

TECHNICAL DATA

- Lining material: HPPE
- Size: 10
- Anti-cut level: 5
- Standard: EN388



POLYESTER PALM COATED WORK GLOVES WITH CRINKLED LATEX

81060/9

81060/10

TECHNICAL DATA

- Lining material: Polyester
- Coating material: Latex
- Size: 9; 10
- Good abrasion
- Good breathability performance
- Standard: EN388



COTTON KNITTED GLOVES

81061/9

81061/10

TECHNICAL DATA

- Lining material: Cotton
- Size: 9; 10
- Good breathability performance
- Standard: EN388



PVC DOT COATED COTTON KNITTED WORK GLOVES

81062/9

81062/10

TECHNICAL DATA

- Lining material: Cotton
- Coating material: PVC dot
- Size: 9; 10
- Good abrasion
- Good breathability performance
- Standard: EN388



POLYESTER WORK GLOVES PALM COATED WITH PU

81063/9

81063/10

TECHNICAL DATA

- Lining material: Polyester
- Coating material: PU
- Size: 9; 10
- Good abrasion
- Anti-static
- Standard: EN388

WORK AND HOBBY LIGHTS



ALUMINIUM LIGHT BAR E-4116

100166

TECHNICAL DATA

- LED 3Watt COB
- Material: Aluminum
- Size: 159x32x18mm
- Battery Type: 3xAAA
- Light Mode: On/Off
- Colour: Silver

* With Two Magnets & Velcro Strip



WORK LIGHT WITH ROTARY BASE E-5542

100169/G

TECHNICAL DATA

- LED 3Watt COB
- Lumens: 200lm
- Material: Plastic
- Size: 130x68x39mm
- Battery Type: 3xAAA
- Light Mode: On/Off
- Colour: Green

100169/Y

TECHNICAL DATA

- LED 3Watt COB
- Lumens: 200lm
- Material: Plastic
- Size: 130x68x39mm
- Battery Type: 3xAAA
- Light Mode: On/Off
- Colour: Yellow

* With Two Strong Magnet on Swivel Holder;
With 360° Rotary Dividual Pocket Clip and 360° Swivel Holder



PIVOT WORK LIGHT WITH MAGNETIC BASE E-5503

100167

TECHNICAL DATA

- LED 3Watt COB
- Lumens: 240lm
- Material: Rubber Coated
- Size: 87x55x95mm
- Battery Type: 3xAA
- Light Mode: On/Off
- Colour: Black

* With 360° Rotary Pivot Base; With strong magnet on bottom



ALUMINUM WORK LIGHT E-5545

100168

TECHNICAL DATA

- LED 3Watt COB
- Lumens: 200lm
- Material: Aluminum
- Size: 162x25x15mm
- Battery Type: 3xAAA
- Light Mode: On/Off
- Colour: Black

* With Strong Magnet in Swivel Hook



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



ZOOM FLASHLIGHT E-6605

100172

TECHNICAL DATA

- LED 1Watt
- Material: Rubber Coated
- Size: 115x34mm
- Battery Type: 3xAAA
- Light Mode: On/Off
- Colour: Black

* *Handstrap; Telescopic (ZOOM)*



ZOOM FLASHLIGHT E1171

100173

TECHNICAL DATA

- LED Type: CREE XPE
- Lumens: 200lm
- Material: Aluminum
- Size: 150x33mm
- Battery Type: 3xAAA
- Light Mode: High/Low/Strobe/Off
- Light Distance: Zoom in- 250 Meters / Zoom Out- 100Meters
- Colour: Black

* *Handstrap*



HANDY SPOT FLASHLIGHT RECHARGEABLE E-6630

100174

TECHNICAL DATA

- 7LED
- Material: Plastic
- Size: 150x70x70mm
- Battery Type: Rechargeable battery
- Light Mode: On/Off
- Colour: Black & Yellow

* *Direct Charge*



MINI KEY LIGHT E-5903

● **100176/BL**

TECHNICAL DATA

- LED 1.5W COB
- Material: Plastic
- Size: 71x34x21mm
- Battery Type: 2xCR2032)
- Light Mode: High/Low/Flash/Off
- Colour: Black

* *Strong Back Magnet; Colourful Carabiner*

● **100176/B**

TECHNICAL DATA

- LED 1.5W COB
- Material: Plastic
- Size: 71x34x21mm
- Battery Type: 2xCR2032)
- Light Mode: High/Low/Flash/Off
- Colour: Blue



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



BULB SHAPE PULL LIGHT

● **100175/B**

TECHNICAL DATA

- LED 1W
- Material: Plastic
- Size: 55x55x160mm
- Battery Type: 3xAAA
- Light Mode: On/Off
- Colour: Blue



● **100175/BL**

TECHNICAL DATA

- LED 1W
- Material: Plastic
- Size: 55x55x160mm
- Battery Type: 3xAAA
- Light Mode: On/Off
- Colour: Black



● **100175/P**

TECHNICAL DATA

- LED 1W
- Material: Plastic
- Size: 55x55x160mm
- Battery Type: 3xAAA
- Light Mode: On/Off
- Colour: Pink



● **100175/R**

TECHNICAL DATA

- LED 1W
- Material: Plastic
- Size: 55x55x160mm
- Battery Type: 3xAAA
- Light Mode: On/Off
- Colour: Red



HEADLAMP E-3645

100170

TECHNICAL DATA

- LED 3W COB
- Lumens: 200lm
- Size: 60x42x34mm
- Battery Type: 3xAAA
- Light Mode:
 - High
 - Low
 - Strobe
 - Off
- Colour: Black



2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



ZOOM HEADLAMP E-3396

100171

TECHNICAL DATA

- 1xXML T6 + 2xCREE XPE
- Lumens: 1200lm
- Size: 59x43mm
- Battery Type: 4xAA
- Light Mode:
 - > 1xT6 On
 - > 2 Sides XPE On/
 - > All On
 - > Strobe
 - > OFF
- Colour: Black



LED COB WORK LAMP 5W, E-2305

100177

TECHNICAL DATA

- Power: 5W
- Lumen: 400lm \pm 10%
- LED chip: 1 x COB + 1 x XPE
- Functions: 4 (COB 100%, COB50%, LED 100%, OFF)
- Battery: Polymer lithium (LiPo)
- Battery capacity: 2000mAh
- Charging time: 3h
- Working time: 2.5h
- Included accessories: 0.5m cable type-C
- Material: ABS
- Product size: 15x64x131mm
- Weight: 114g



LED COB WORK LAMP 7W, E-2302

100178

TECHNICAL DATA

- Power: 7W
- LED chip: 1 x COB + 1 x XPE
- Functions: Stepless dimming
- Battery: Lithium battery
- Battery capacity: 1800mAh
- Charging time: 3h
- Working time: 2.5h
- Included accessories: 1m cable type-C
- Material: ABS
- Product size: 36x36x395mm
- Weight: 200g



**NOTE: There is a strong magnetic at the bottom, and the base can rotate 360° at any angle*

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended



LED COB WORK LAMP 12W IP44, E-2192

100179

TECHNICAL DATA

- Power: 12W
- Lumen: 100lm
- IP degree: IP44
- LED chip: COB
- Functions: 5 (100%, 50%, SOS, FLASH, OFF)
- Battery: Lithium battery
- Battery capacity: 2000mAh
- Charging time: 5h
- Working time: 3h
- Included accessories: 1 m cable type-C
- Material: ABS
- Product size: 150x160x38mm
- Weight: 360g

**NOTE: With hook and magnet*



LED COB WORK LAMP 5W, E-3002

100180

TECHNICAL DATA

- Power: 5W
- Lumen: 600lm
- LED chip: COB
- Functions: 5 (100%, 50%, red light ON, red light flash, OFF)
- Battery: Polymer lithium (LiPo)
- Battery capacity: 500mAh
- Charging time: 1h
- Working time: 1h
- Included accessories: 0.15m cable type-C
- Material: ABS + PS + AL
- Product size: 43x20x59mm
- Weight: 39g

**NOTE: Strong magnetic back, bottle opener function, key chain function*

2 YEARS TOTAL WARRANTY
+ 2 standard
0 extended

BATTERIES



M070125
M070117



M070261
M070257



M070284



M070110



M070057



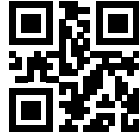
M070236



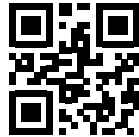
M070132



Catalogue number	Reference IEC	Type	Series	Voltage (V)	Diameter (mm)	Height (mm)	Packing/Box (pcs)
M070125	LR03	AAA	High energy	1.5	10.5	44.5	1/4
M070117	LR6	AA	High energy	1.5	14.5	50.5	1/4
M070261	LR03	AAA	Max tech	1.5	10.5	44.5	1/4
M070257	LR6	AA	Max tech	1.5	14.5	50.5	1/4



Catalogue number	Reference IEC	Type	Series	Voltage (V)	Diameter (mm)	Height (mm)	Packing/Box (pcs)
M070284	LR1		Professional electronic	1.5	12	30.2	1/1
M070087	LR14	C	Long Life	1.5	26.2	50	1/2
M070113	LR20	AAA	Long Life	1.5	34.2	61.5	1/2
M070057	3R12	4.5V	Super Life	4.5		67	1/1
M070110	LR22	9V	Long Life	9		48.5	1/1



Catalogue number	Reference IEC	Type	Series	Voltage (V)	Diameter (mm)	Height (mm)	Packing/Box (pcs)
M070236	8LR932	A23 GA	Professional electronic	12	10.3	8.5	1/1
M070132	V27A	A27 GA	Professional electronic	12	7.7	28.2	1/1



Catalogue number	Reference IEC	Type	Series	Voltage (V)	Diameter (mm)	Height (mm)	Packing/Box (pcs)
M070011	DL2016	CR2016	Professional electronic	3	20	1.6	1/1
M070220	DL2025	CR2025	Professional electronic	3	20	2.5	1/1
M070221	DL2032	CR2032	Professional electronic	3	20	3.2	1/1
M070259	LR44	V 13 GA	Professional electronic	1.5	11.6	5.4	1/1





EXPANSION PLUG PLASTIC SLEEVE

Expansion plug plastic sleeve is made of polyethylene. It is used for fixing of members in substrates made of solid materials. The sleeve is held firmly in place as the expansion lugs on its outside prevent it from turning once it is placed in the hole. On the inner side sleeves have guide lugs on the entire length to ensure guiding of a screw when being installed.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Concrete
- Solid clay brick
- Solid sand-lime brick

USAGE:

- Installation of skirting boards
- Installation of home furnishings
- Installation of troughs
- For fastening bundles

Catalogue number	Package type	Sleeve diameter and length (mm)	Recommended screw diameter (mm)	Min. anchorage depth (mm)	Min. depth of drilled hole (mm)	PCS in Blister/Box
BKP-06030	Blister	6x30	3.5-4	30	40	35/10
KPX-06030	Box	6x30	3.5-4	30	40	1000
BKP-08040	Blister	8x40	4-6	40	50	22/10
KPX-08040	Box	8x40	4-6	40	50	500
BKP-08050	Blister	8x50	4-6	50	60	14/10
KPX-08050	Box	8x50	4-6	50	60	400
BKP-10050	Blister	10x50	5-7	50	60	14/10
KPX-10050	Box	10x50	5-7	50	60	300
BKP-10060	Blister	10x60	5-7	60	70	10/10
KPX-10060	Box	10x60	5-7	60	70	200
BKP-12060	Blister	12x60	6-8	60	70	10/9
KPX-12060	Box	12x60	6-8	60	70	150
BKP-12080	Blister	12x80	6-8	80	90	7/9
KPX-12080	Box	12x80	6-8	80	90	100
BKP-14080	Blister	14x80	10	80	90	6/5
KPX-14080	Box	14x80	10	80	90	100
KPX-16100	Box	16x100	12	100	110	50





UNIVERSAL PLUG PLASTIC SLEEVE

Universal plug plastic sleeve is made of polyamide. It is used for fixing of members on most of building substrates. The sleeve has ribs and stabilising fins which prevent rotation of sleeve during installation and provide initial fixation in the substrate. Unique shape of the sleeve allows for installation in both solid materials (by expansion of the sleeve) and materials with voids (by shape fixation – “knot” formation).

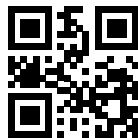
TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Concrete
- Solid clay brick and sand-lime brick
- Hollow clay brick and sand-lime brick
- Autoclaved aerated concrete
- Cement board
- Plasterboard

USAGE:

- Fastening home furnishings
- Fastening cable ducts
- Fastening wiring systems
- Fastening lighting elements

Catalogue number	Package type	Sleeve diameter and length (mm)	Recommended screw diameter (mm)	Min. anchorage depth (mm)	Min. depth of drilled hole (mm)	PCS in Blister/Box
BSFX-05025	Blister	5x25	3.5	25	35	35/10
SFX-05025	Box	5x25	3.5	25	35	400
BSFX-06030	Blister	6x30	4.0	30	40	35/10
SFX-06030	Box	6x30	4.0	30	40	200
BSFX-08040	Blister	8x40	5.0	40	50	14/10
SFX-08040	Box	8x40	5.0	40	50	200
BSFX-10050	Blister	10x50	6.0	50	60	10/10
SFX-10050	Box	10x50	6.0	50	60	100
BSFX-10060	Blister	10x60	6.0	60	70	10/10
SFX-10060	Box	10x60	6.0	60	70	100





UNIVERSAL PLUG PLASTIC SLEEVE

Universal plug plastic sleeve is made of polyamide. It is used for fixing of members on most of building substrates. It has anti-rotation lugs which keep the sleeve in place when screwing in the screw. The sleeve adjusts to substrate type: in solid materials, installation is executed by expansion of the sleeve, and in materials with voids or plasterboard by shape fixation.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Concrete
- Solid clay brick and sand-lime brick
- Hollow clay brick and sand-lime brick
- Plasterboard

USAGE:

- Fastening home furnishings

Catalogue number	Package type	Sleeve diameter and length (mm)	Recommended screw diameter (mm)	Min. anchorage depth (mm)	Min. depth of drilled hole (mm)	PCS in Blister/Box
KPW-06035	Box	6x35	3.0 - 4.0	35	45	500
KPW-06050	Box	6x50	3.0 - 4.0	50	60	500
KPW-08050	Box	8x50	4.0 - 5.0	50	60	300
KPW-10060	Box	10x60	5.0 - 6.0	60	70	200



UNIVERSAL PLUG PLASTIC SLEEVE

USAGE:

- Fastening of small storage racks
- Installation of glazing
- Installation of shop windows
- Installation of awnings
- Fastening furniture
- Installation of glass walls
- Installation of window blinds
- Fastening interior design elements
- Installation of window joinery
- Installation of shutters
- Installation of door joinery
- Installation of canopies inside buildings
- Installation of garage doors
- Installation of handrails
- Fastening elements of building installations
- Installation of balustrades
- Fastening of medium storage racks
- Installation of lightweight metal structures

Catalogue number	Package type	Sleeve diameter and length (mm)	Recommended screw diameter (mm)	Min. anchorage depth (mm)	Min. depth of drilled hole (mm)	PCS in Blister/Box
W-KPR-10120	Box	10x120	5.0 - 6.0	120	130	50
W-KPR-12100	Box	12x100	6.0 - 7.0	100	110	25
W-KPR-12140	Box	12x140	6.0 - 7.0	140	150	25



UNIVERSAL PLUG PLASTIC SLEEVE

Universal plug plastic sleeve is made of polyamide. It is used for fixing of members on most of building substrates. It has stabilizing fins which keep the sleeve in place when screwing in the screw. The sleeve adjusts to substrate type: in solid materials, installation is executed by expansion of the sleeve, and in materials with voids or plasterboard by shape fixation.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Concrete
- Solid clay brick and sand-lime brick
- Hollow clay brick and sand-lime brick
- Plasterboard

USAGE:

- Fastening home furnishings

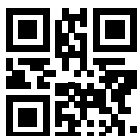
Catalogue number	Package type	Sleeve diameter and length (mm)	Recommended screw diameter (mm)	Min. anchorage depth (mm)	Min. depth of drilled hole (mm)	PCS in Blister/Box
KPU-06035	Box	6x35	3.0 - 3.5	35	45	500
KPU-08050	Box	8x50	4.0 - 5.0	50	60	300
KPU-10060	Box	10x60	5.0 - 6.0	60	70	200



WALL PLUG FOR PLASTERBOARD

Material: polyethylene

Catalogue number	Type	Color	Bore diameter (mm)	a (mm)	b (mm)	Packing (pcs)
500443	Wall plug for plasterboard	Grey	6-7	30	19	25



PLASTERBOARD ZN-AL PLUG

The plug is made of zinc and aluminum alloy. It is used as a shank with connecting components. Wide thread ensures easy embedding in the plasterboard and large support surface, which prevents local substrate damage. The plug does not require much space behind the plasterboard.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Plasterboard

USAGE:

- Suitable for single and double plasterboards.

Catalogue number	Package type	Shank length (mm)	Screw diameter range (mm)	PCS in Blister/Box
BDRZN-29	Blister	29	4.0-4.5 x 30	8/10



HAMMER-IN ANCHOR FOR AUTOCLAVED AERATED CONCRETE

Universal hammer-in anchor is made of carbon steel with protective zinc coating. The anchor is used as a body for screw-in elements, such as screws, screw-in hooks. Metal anchor has ribbed design which provides easy screw tightening, and outer teeth allow for transfer of heavy loads. Fixing is executed by driving the screw into the anchor which causes its expansion and creates a permanent anchorage.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Autoclaved aerated concrete

USAGE:

- Used as an expansion body for screws
- As an expansion body for hooks

Catalogue number	Package type	Anchor diameter and length (mm)	Recommended screw diameter (mm)	PCS in Blister/Box
BKMG-05	Blister	6.2x30	4.5	10/10
BKMG-06	Blister	7.5x32	4.5 - 5.0	10/10
KMG-06	Box	7.5x32	4.5 - 5.0	200
BKMG-08	Blister	9.8x36	5.0 - 6.0	7/10
BKMG-08-D	Blister	9.8x60	5.0 - 6.0	4/10
KMG-08-D	Box	9.8x60	5.0 - 6.0	50
BKMG-10	Blister	11.8x60	6.0 - 8.0	4/10
KMG-10	Box	11.8x60	6.0 - 8.0	50



HARDENED COUNTERSUNK FLAT HEAD WOOD SCREW WITH FULL THREAD

Hardened screw is made of zinc-plated low carbon steel coated with yellow protective coating. Screws for connecting wooden elements including solid wood, glued laminated timber, X-Lam and LVL timber panels and wood-based panels. Screws have counter-sunk head with PZ drive, full thread and a special cutting point suitable for connections in wooden structures.

FEATURES

- Wax coating – reduced torque, faster and easier installation
- Counter-sunk head – ensures flush fitting of the screw in the installed member
- PZ drive – ensures fast and reliable installation
- Profile of thread – provides fast and reliable connection
- Full thread – provides maximum efficiency of connection when installing thin elements

USAGE:

- For fastening steel elements
- For fastening wooden elements
- For fastening wood-based elements
- For fastening PVC elements

Catalogue number	Package type	Screw diameter (mm)	Screw length (mm)	Drive type	PCS in Blister/Box
BWK-35016	Blister	3.5	16	PZ2	50/10
BWK-35020	Blister	3.5	20	PZ2	45/10
BWK-35025	Blister	3.5	25	PZ2	45/10
BWK-35030	Blister	3.5	30	PZ2	35/10
BWK-35035	Blister	3.5	35	PZ2	32/10
BWK-35040	Blister	3.5	40	PZ2	30/10
BWK-35045	Blister	3.5	45	PZ2	25/10
BWK-35050	Blister	3.5	50	PZ2	22/10
BWK-40020	Blister	4.0	20	PZ2	40/10
BWK-40025	Blister	4.0	25	PZ2	35/10
BWK-40030	Blister	4.0	30	PZ2	32/10
BWK-40035	Blister	4.0	35	PZ2	28/10
BWK-40040	Blister	4.0	40	PZ2	24/10
BWK-40045	Blister	4.0	45	PZ2	22/10
BWK-40050	Blister	4.0	50	PZ2	20/10
BWK-40060	Blister	4.0	60	PZ2	15/10
BWK-45025	Blister	4.5	25	PZ2	32/10
BWK-45030	Blister	4.5	30	PZ2	28/10
BWK-45035	Blister	4.5	35	PZ2	26/10
BWK-45040	Blister	4.5	40	PZ2	22/10
BWK-45050	Blister	4.5	50	PZ2	17/10
BWK-45060	Blister	4.5	60	PZ2	14/10
BWK-45070	Blister	4.5	70	PZ2	12/10
BWK-50030	Blister	5.0	30	PZ2	20/10
BWK-50040	Blister	5.0	40	PZ2	16/10
BWK-50050	Blister	5.0	50	PZ2	12/10
BWK-50060	Blister	5.0	60	PZ2	11/10
BWK-50070	Blister	5.0	70	PZ2	9/10
BWK-50080	Blister	5.0	80	PZ2	7/10
BWK-60050	Blister	6.0	50	PZ3	9/10
BWK-60060	Blister	6.0	60	PZ3	8/10
BWK-60070	Blister	6.0	70	PZ3	6/10
BWK-60080	Blister	6.0	80	PZ3	5/10



GYPSUM TO STEEL TWINFAST THREAD SCREW

Screws for fastening drywalls to timber substrates in interior applications, made of low carbon steel with phosphate finish. Screws have countersunk head which ensures flush fitting of the screw in the installed member. The thread design guarantees reliable and durable fixing to steel substrate (thickness to 0.75mm). Its sharp point makes for a quick start installation. The head has PH-2 drive providing for installation with the use of impact torsion bits.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Steel substrate – with thickness of up to 0.75mm

USAGE:

- Installation inside building
- Fastening plasterboard to steel substrates



Catalogue number	Package type	Screw diameter (mm)	Screw length (mm)	Drive type	PCS in Blister/Box
BGM-35025	Blister	3.5	25	PH2	100/9
BGM-35035	Blister	3.5	35	PH2	100/9
BGM-35045	Blister	3.5	45	PH2	50/9
BGM-35055	Blister	3.5	55	PH2	50/9
BGM-42070	Blister	4.2	70	PH2	50/9



GYPSUM TO WOOD COARSE THREAD SCREW

Screws for fastening drywalls to timber substrates in interior applications, made of low carbon steel with phosphate finish. Screws have countersunk head which ensures flush fitting of the screw in the installed member. The thread design guarantees reliable and durable fixing both to timber and wood-based products. Its sharp point makes for a quick start installation. The head has PH-2 drive providing for installation with the use of impact torsion bits.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Timber substrate
- Wood-based material

USAGE:

- Installation o plasterboard to wooden substrates
- Installation inside building



Catalogue number	Package type	Screw diameter (mm)	Screw length (mm)	Drive type	PCS in Blister/Box
BGD-35025	Blister	3.5	25	PH2	100/9
BGD-35035	Blister	3.5	35	PH2	100/9
BGD-35045	Blister	3.5	45	PH2	50/9
BGD-35055	Blister	3.5	55	PH2	50/9
BGD-42070	Blister	4.2	70	PH2	50/9



GYPSUM TO STEEL SELF - DRILLING SCREW

Self-drilling screws for fastening drywalls to timber substrates in interior applications, made of low carbon steel with phosphate finish. Screws have countersunk head which ensures flush fitting of the screw in the installed member. The thread design guarantees secure and durable fixing in steel substrates. Its sharp tip makes for a quick start installation. The self-drilling tip ensures penetration of sheets up to 2.5mm thick. The head has PH-2 drive providing for installation with the use of impact torsion bits

TYPES OF SUBSTRATES ON WHICH SCREW CAN BE INSTALLED:

- Steel substrate – with thickness of up to 2.50 mm

USAGE:

- Fastening plasterboard to steel substrates



Catalogue number	Package type	Screw diameter (mm)	Screw length (mm)	Drive type	PCS in Blister/Box
BSG-35025	Blister	3.5	25	PH2	100/9
BSG-35035	Blister	3.5	35	PH2	50/9
BSG-35045	Blister	3.5	45	PH2	50/9



FLANGE HEAD SELF-TAPPING SCREW

Flange head self-tapping screw is made of heat-treated carbon steel with galvanized zinc coating 5 µm. The screw has flange head which increases the pressure area and self-tapping tip which makes fixing in steel members easier and faster.

USAGE:

- For flashings or making lap joints in metal sheet



Catalogue number	Package type	Screw diameter (mm)	Screw length (mm)	Max. usable length (mm)	Drive type	PCS in Blister/Box
BWPC-42013	Blister	4.2	13	10	PH2	40/10
BWPC-42016	Blister	4.2	16	13	PH2	38/10
BWPC-42019	Blister	4.2	19	16	PH2	35/10
BWPC-42025	Blister	4.2	25	20	PH2	30/10
BWPC-42032	Blister	4.2	32	25	PH2	25/10
BWPC-42040	Blister	4.2	40	35	PH2	20/10
BWPC-42050	Blister	4.2	50	45	PH2	15/10
BWPC-42065	Blister	4.2	65	60	PH2	12/10



FLANGE HEAD SELF-DRILLING SCREW

Flange head self-drilling screw is made of heat-treated carbon steel with galvanized zinc coating 5 µm. The screw has flange head which increases the pressure area and self-drilling tip which makes fixing in steel members easier and faster.

USAGE:

- Fixing steel sheets in steel constructions
- Flashings
- Making lap joints in steel sheets
- Production of joinery

Catalogue number	Package type	Screw diameter (mm)	Screw length (mm)	Max. usable length (mm)	Drive type	PCS in Blister/Box
BWSPC-42016	Blister	4.2	16	6	PH2	30/10
BWSPC-42019	Blister	4.2	19	9	PH2	28/10
BWSPC-42025	Blister	4.2	25	15	PH2	25/10
BWSPC-42032	Blister	4.2	32	22	PH2	22/10



SELF DRILLING SCREW WITH HEXAGON HEAD AND EPDM WASHER

APPLICATION:

Sheet metal to steel construction.

Material: Carbon steel

Covering: ZnV

Catalogue number	Material to be fixed	Outer thread diameter (mm)	Length (mm)	Point	Packing/Box (pcs)
M317306	Metal	4.8	19	Self-drilling	1000
M317243	Metal	4.8	25	Self-drilling	500
M317126	Metal	4.8	32	Self-drilling	500
M317127	Metal	5.5	25	Self-drilling	500
M317307	Metal	5.5	32	Self-drilling	500
M317308	Metal	5.5	38	Self-drilling	500
M317309	Metal	5.5	50	Self-drilling	500
M317130	Metal	6.3	25	Self-drilling	500
M317310	Metal	6.3	32	Self-drilling	500
M317131	Metal	6.3	38	Self-drilling	500
M317311	Metal	6.3	50	Self-drilling	250
M317312	Metal	6.3	60	Self-drilling	250



SELF-DRILLING SCREW FOR FIXING STEEL SHEETS IN STEEL CONSTRUCTION

Self-drilling screw is made of heat-treated carbon steel in galvanized zinc coating 12 µm. Screw has hex head, pin threaded for use in steel and self-drilling tip.

USAGE:

- Fixing steel sheets in steel constructions
- For mounting profiled sheets to steel structures
- For mounting wall cassettes to steel structures
- Flashings
- Making lap joints in steel sheets

Catalogue number	Package type	Screw diameter (mm)	Screw length (mm)	Max. usable length (mm)	Wrench size	PCS in Blister/Box
BWS-48019	Blister	4.8	19	9	SW8	25/10
BWS-48025	Blister	4.8	25	14	SW8	24/10
BWS-48032	Blister	4.8	32	21	SW8	16/10
BWS-55025	Blister	5.5	25	10	SW8	14/10
BWS-55032	Blister	5.5	32	17	SW8	13/10
BWS-55038	Blister	5.5	38	23	SW8	12/10
BWS-55045	Blister	5.5	45	30	SW8	11/10
BWS-55050	Blister	5.5	50	35	SW8	10/10



EXPANSION PLUG WITH HEX HEAD SCREW, SET

Expansion plug comprises sleeve made of polypropylene and hex head steel screw with protective zinc coating. It is designed for fixing of light-duty interior finish systems, metal members and lightweight installations or mounting clamps on solid substrates. The plug is held firmly in place as the expansion lugs on its outside prevent it from turning once it is placed in the hole. On the inner side sleeves have guide lugs on the entire length to ensure guiding of a screw when being installed.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Concrete
- Solid clay brick
- Solid sand-lime brick

USAGE:

- Fastening of wooden interior finishing elements
- Installation of skirting boards
- Installation of home furnishings
- Installation of troughs
- For fastening bundles

Catalogue number	Package type	Sleeve diameter and length (mm)	Screw diameter and length (mm)	Max. usable length (mm)	PCS in Blister/Box
BK-10100	Blister	10x60	6x100	40	6/9
BK-10120	Blister	10x60	6x120	60	5/9
BK-12100	Blister	12x80	8x100	20	3/9
BK-12120	Blister	12x80	8x120	40	3/9
BK-14100	Blister	14x80	10x100	20	2/9
BK-14120	Blister	14x80	10x120	40	2/9



EXPANSION PLUG WITH COUNTERSUNK HEAD SCREW

Expansion plug comprises sleeve made of polypropylene and countersunk head steel screw with protective zinc coating. It is designed for fixing of light-duty interior finish systems, wood members and lightweight installations or mounting clamps on solid substrates. The plug is held firmly in place as the expansion lugs on its outside prevent it from turning once it is placed in the hole. On the inner side sleeves have guide lugs on the entire length to ensure guiding of a screw when being installed.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Concrete
- Solid clay brick
- Solid sand-lime brick

USAGE:

- Fastening of wooden interior finishing elements
- Installation of skirting boards
- Installation of home furnishings
- Installation of troughs
- For fastening bundles



Catalogue number	Package type	Sleeve diameter and length (mm)	Screw diameter and length (mm)	Max. usable length (mm)	Drive type	PCS in Blister/Box
BKR-063535	Blister	6x30	3.5x35	5	PZ2	25/10
KRX-063535	Box	6x30	3.5x35	5	PZ2	200
BKR-084045	Blister	8x40	4.0x45	5	PZ2	14/10
KRX-084045	Box	8x40	4.0x45	5	PZ2	100
KRX-085060	Box	8x50	5.0x60	10	PZ2	100
BKR-105060	Blister	10x50	5.0x60	10	PZ2	7/10
KRX-105060	Box	10x50	5.0x60	10	PZ2	100
KRX-106070	Box	10x60	6.0x70	10	PZ3	100



HAMMER DRIVE PLUG WITH COLLAR

Hammer drive plug comprises a polyethylene and a countersunk head screw made of electroplated coatings or non-electrolytically applied zinc flake coatings steel. It is designed for fixing of thin-walled steel members. Increased head diameter ensures much better holding power of the elements being installed, and countersunk section provides reliable installation and eliminates damage to the screw when driving.

TYPES OF SUBSTRATES ON WHICH HAMMER DRIVE PLUG CAN BE INSTALLED:

- Normal concrete (use category A)
- Solid masonry (use category B)
- Hollow or perforated masonry (use category C)
- Lightweight aggregate concrete (use category D)
- Autoclaved aerated concrete (use category E)

USAGE:

- Recommended for serial installation
- For fastening steel elements
- For installation of wall sections in plasterboard ceiling and wall structures



Catalogue number	Package type	Sleeve diameter and length (mm)	Screw diameter and length (mm)	Collar diameter (mm)	Drive type	PCS in Blister/Box
BSMK-05035	Blister	5.0x35	3.5x40	11	PZ2	25/9
BSMK-06040	Blister	6.0x40	3.9x45	13	PZ2	20/9
SMK-06040	Box	6.0x40	3.9x45	13	PZ2	200
SMK-06050	Box	6.0x50	3.9x55	13	PZ2	200
BSMK-06060	Blister	6.0x60	3.9x65	13	PZ2	14/9
SMK-06060	Box	6.0x60	3.9x65	13	PZ2	200
BSMK-06080	Blister	6.0x80	3.9x85	13	PZ2	11/9
SMK-06080	Box	6.0x80	3.9x85	13	PZ2	100
SMK-08060	Box	8.0x60	4.9x65	14	PZ2	100
SMK-08100	Box	8.0x100	4.9x105	14	PZ2	100
SMK-08120	Box	8.0x120	4.9x125	14	PZ2	100
SM-10100	Box	10x100	6.9x110	14.5	PZ3	50
SM-10120	Box	10x120	6.9x130	14.5	PZ3	50
SM-10140	Box	10x140	6.9x150	14.5	PZ3	50



UNIVERSAL PLUG WITH COUNTERSUNK HEAD SCREW

Universal plug comprises sleeve made of polyamide and countersunk head steel screw with protective zinc coating. It is designed for fixing of light-duty interior finish systems, wooden strips and lightweight installations on all building substrates. The sleeve has antirotation lugs which keep the plug-in place when screwing in the screw. Special design of the plug ensures correct guidance of the screw and reliable connection.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Concrete
- Solid clay brick and sand-lime brick
- Hollow clay brick and sand-lime brick
- Plasterboard

USAGE:

- Fastening home furnishings



Catalogue number	Package type	Sleeve diameter and length (mm)	Screw diameter and length (mm)	Max. usable length (mm)	Drive type	PCS in Blister/Box
BRU-06045	Blister	6x35	3.5x45	5	PZ2	14/10
BRU-08060	Blister	8x50	4.5x60	5	PZ2	12/10



EXPANSION PLUG WITH STRAIGHT HOOK

Expansion plug comprises sleeve made of polypropylene and steel screw with straight hook with protective zinc coating. It is designed for fixing of light-duty interior finish systems and lightweight installations or mounting clamps on solid substrates. The plug is held firmly in place as the expansion lugs on its outside prevent it from turning once it is placed in the hole. On the inner side sleeves have guide lugs on the entire length to ensure guiding of a screw when being installed.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

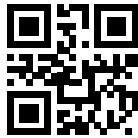
- Concrete
- Solid clay brick
- Solid sand-lime brick

USAGE:

- Fastening of typical decorative elements



Catalogue number	Package type	Sleeve diameter and length (mm)	Screw diameter and length (mm)	PCS in Blister/Box
BP-06	Blister	6.0x30	4.0x40	12/10
BP-08	Blister	8.0x40	4.5x55	9/10
BP-10D	Blister	10x60	5.5x80	5/10
BP-12	Blister	12x60	7.0x80	4/10
BP-12D	Blister	12x80	8.0x105	2/9



EXPANSION PLUG WITH TAIL HOOK

Expansion plug comprises sleeve made of polypropylene and steel screw with tail hook with protective zinc coating. It is designed for fixing of light-duty interior finish systems and lightweight installations or mounting clamps on solid substrates. The plug is held firmly in place as the expansion lugs on its outside prevent it from turning once it is laced in the hole. On the inner side sleeves have guide lugs on the entire length to ensure guiding of a screw when being installed.

TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Concrete
- Solid clay brick
- Solid sand-lime brick

USAGE:

- Fastening of typical decorative elements

Catalogue number	Package type	Sleeve diameter and length (mm)	Screw diameter and length (mm)	PCS in Blister/Box
BS-06	Blister	6.0x30	4.0x40	12/10
WX-06	Box	6.0x30	4.0x40	100
BS-08	Blister	8.0x40	4.5x55	7/10
WX-08	Box	8.0x40	4.5x55	100
BS-10	Blister	10x60	5.5x80	5/10
BS-12	Blister	12x60	7.0x80	3/9



UNIVERSAL PLUG WITH EYE-BOLT HOOK

Universal plug comprises sleeve made of polyamide and steel screw with EYE-BOLT hook with protective zinc coating. It is designed for fixing of light-duty interior finish systems and lightweight installations on all building substrates. The sleeve has anti-rotation lugs which keep the plug-in place when screwing in the screw. Special design of the plug ensures correct guidance of the screw and reliable connection. Screw hooks come with special stop collar which makes the screw rest on the plug and enables correct installation.

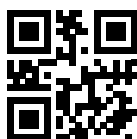
TYPES OF SUBSTRATES ON WHICH EXPANSION PLUG CAN BE INSTALLED:

- Concrete
- Solid clay brick and sand-lime brick
- Hollow clay brick and sand-lime brick
- Plasterboard

USAGE:

- Fastening home furnishings
- Fastening lighting elements

Catalogue number	Package type	Sleeve diameter and length (mm)	Screw diameter and length (mm)	PCS in Blister/Box
BRUO-06064	Blister	6x35	3.5x65	6/10
BRUO-08084	Blister	8x50	4.5x83	4/10



TOGGLE ANCHOR

Toggle anchor is made of steel with zinc chromate coating. It is used for lightweight fixing of interior finish products in cavity materials and plasterboards. The crosspiece forms a large support surface which ensures a very strong and secure fixing.

TYPES OF SUBSTRATES ON WHICH TOGGLE ANCHOR CAN BE INSTALLED:

- Clay brick and sand-lime brick
- Hollow clay brick
- Plasterboard

USAGE:

- Fastener for lightweight suspensions of interior fittings to substrates with air cavities and in plasterboard

Catalogue number	Package type	Fastener diameter and length (mm)	Hole diameter (mm)	Maximum drywall thickness (mm)	PCS in Blister/Box
BM-04075	Blister	M4x75	14	42	2/10



TOGGLE ANCHOR WITH EYE HOOK

Toggle anchor with eye hook is made of steel with zinc chromate coating. It is used for lightweight fixing of interior finish products in cavity materials and plasterboards. The crosspiece forms a large support surface which ensures a very strong and secure fixing.

TYPES OF SUBSTRATES ON WHICH TOGGLE ANCHOR CAN BE INSTALLED:

- Clay brick and sand-lime brick
- Hollow clay brick
- Plasterboard

USAGE:

- Fastener for lightweight suspensions of interior fittings to substrates with air cavities and in plasterboard

Catalogue number	Package type	Fastener diameter and length (mm)	Hole diameter (mm)	Maximum drywall thickness (mm)	PCS in Blister/Box
BM-04075-O	Blister	M4x75	14	42	2/9



TOGGLE ANCHOR WITH ROUND HOOK

Toggle anchor with round hook is made of steel with zinc chromate coating. It is used for lightweight fixing of interior finish products in cavity materials and plasterboards. The crosspiece forms a large support surface which ensures a very strong and secure fixing.

TYPES OF SUBSTRATES ON WHICH TOGGLE ANCHOR CAN BE INSTALLED:

- Clay brick and sand-lime brick
- Hollow clay brick
- Plasterboard

USAGE:

- Fastener for lightweight suspensions of interior fittings to substrates with air cavities and in plasterboard

Catalogue number	Package type	Fastener diameter and length (mm)	Hole diameter (mm)	Maximum drywall thickness (mm)	PCS in Blister/Box
BM-04075-C	Blister	M4x75	14	42	2/9



STEEL ANCHOR

Steel anchor is made of steel with zinc chromate coating. It is used for medium duty fixing of interior finish products in plasterboards and chipboards. After being fixed, collapsing arms form a large support surface on the reverse side of the plasterboard. Sharp flange barbs prevent the rotation of anchor shell during fixing which, ensures correct installation.

TYPES OF SUBSTRATES ON WHICH STEEL ANCHOR CAN BE INSTALLED:

- Plasterboard
- Chipboard

USAGE:

- Interior finishing elements on plasterboard substrate
- Materials with air cavities



Catalogue number	Package type	Fastener diameter and length (mm)	Hole diameter (mm)	Shank length (mm)	Drywall thickness range (mm)	PCS in Blister/Box
BMOL-04038	Blister	M4x38	9	32	6-12	6/10
BMOL-04045	Blister	M4x45	9	38	13-16	5/10
BMOL-04065	Blister	M4x65	9	54	27-33	4/10
BMOL-05071	Blister	M5x71	11	65	24-32	3/10
BMOL-06058	Blister	M6x58	13	52	10-16	3/10



STEEL ANCHOR WITH STRAIGHT HOOK

Steel anchor with straight hook is made of steel with zinc chromate coating. It is used for medium duty fixing of interior finish products in plasterboards and chipboards. After being fixed, collapsing arms form a large support surface on the reverse side of the plasterboard. Sharp flange barbs prevent the rotation of anchor shell during fixing which, ensures correct installation.

TYPES OF SUBSTRATES ON WHICH STEEL ANCHOR CAN BE INSTALLED:

- Plasterboard
- Chipboard

USAGE:

- Interior finishing elements on plasterboard substrate
- Materials with air cavities



Catalogue number	Package type	Fastener diameter and length (mm)	Hole diameter (mm)	Shank length (mm)	Drywall thickness range (mm)	PCS in Blister/Box
BMHP-04032	Blister	M4x38	9	32	6-12	4/10
BMHP-05052	Blister	M5x58	11	52	12-16	3/10



STEEL ANCHOR WITH ROUND HOOK

Steel anchor with straight hook is made of steel with zinc chromate coating. It is used for medium duty fixing of interior finish products in plasterboards and chipboards. After being fixed, collapsing arms form a large support surface on the reverse side of the plasterboard. Sharp flange barbs prevent the rotation of anchor shell during fixing which, ensures correct installation.

TYPES OF SUBSTRATES ON WHICH STEEL ANCHOR CAN BE INSTALLED:

- Plasterboard
- Chipboard

USAGE:

- Interior finishing elements on plasterboard substrate
- Materials with air cavities

Catalogue number	Package type	Fastener diameter and length (mm)	Hole diameter (mm)	Shank length (mm)	Drywall thickness range (mm)	PCS in Blister/Box
BMHS-04032	Blister	M4x38	9	32	6-12	4/10



STEEL ANCHOR WITH EYE HOOK

Steel anchor with straight hook is made of steel with zinc chromate coating. It is used for medium duty fixing of interior finish products in plasterboards and chipboards. After being fixed, collapsing arms form a large support surface on the reverse side of the plasterboard. Sharp flange barbs prevent the rotation of anchor shell during fixing which, ensures correct installation.

TYPES OF SUBSTRATES ON WHICH STEEL ANCHOR CAN BE INSTALLED:

- Plasterboard
- Chipboard

USAGE:

- Interior finishing elements on plasterboard substrate
- Materials with air cavities

Catalogue number	Package type	Fastener diameter and length (mm)	Hole diameter (mm)	Shank length (mm)	Drywall thickness range (mm)	PCS in Blister/Box
BMHO-04032	Blister	M4x38	9	32	6-12	4/10



EXPANSION ANCHOR WITH DOORSTOP

Expansion anchor is designed for use as a doorstop for blocking relatively lightweight interior panel door. The sleeve is made of polypropylene, and the screw is made of steel with protective zinc coating. The doorstop comes in four basic colours which allows for matching colour scheme of an interior. The screw is concealed under the doorstop which offers aesthetic finish.

TYPES OF SUBSTRATES ON WHICH STEEL ANCHOR CAN BE INSTALLED:

- Concrete
- Solid clay brick and sand-lime brick
- Natural stone

USAGE:

- Stopper preventing the door from hitting the wall when opening too wide

Catalogue number	Package type	Doorstop colour	Drilled hole diameter (mm)	Screw diameter Min. anchorage depth (mm)	Min. depth of drilled and length (mm)	Hole (mm)	PCS in Blister/Box
BODB-08060BI	Blister	White	8	60	5x60	70	1/5
BODB-08060CZ	Blister	Black	8	60	5x60	70	1/5
BODB-08060SZ	Blister	Grey	8	60	5x60	70	1/5



WC PAN FIXING KIT

USAGE:

- For fastening toilet bowls

Catalogue number	Package type	Colour	Sleeve diameter and length (mm)	Screw diameter and length (mm)	PCS in Blister/Box
BKMMX-10080B	Blister	White	10x50	6x80	2/9



WC BASIN FIXING KIT

USAGE:

- For fastening wash basins

Catalogue number	Package type	Sleeve diameter and length (mm)	Screw diameter and length (mm)	PCS in Blister/Box
BKMUX-12100	Blister	12x80	6x100	2/9





CONCRETE SCREW WITH INTERNAL METRIC THREAD

Concrete screw with internal metric thread with threaded shank for the installation of permanent and temporary fixings. It is made of carbon steel and covered with a layer of galvanic zinc, which provides anti-corrosion protection. The screw is intended for installation of temporary fixings on site, suspended fixings, serial fixings (pipelines, ventilation ducts, mounting rails, consoles), assembly of light and medium steel structures.

FEATURES

- No stresses characteristic of mechanical anchors
- M8 and M10 internal threads allow threaded rods to be attached
- Quick and easy assembly by direct screwing into a hole in the concrete
- Without the use of expansion sleeves or other anchoring mortars
- Immediate load ability
- Multiple use
- Fire resistance R30 – R120

TYPES OF SUBSTRATES ON WHICH SCREW CAN BE INSTALLED:

- Cracked and non-cracked, reinforced and non-reinforced concrete C20/25 ÷ C50/60

USAGE:

- Installation of ventilation ducts
- Installation of steel profiles
- Installation of suspended fastenings
- Installation of threaded rod systems
- Installation of temporary fastenings
- Designed for indoor use under dry conditions
- Installation of metal profiles
- Installation of mounting rails and brackets
- Installation of steel decorative elements



Catalogue number	Hole diameter (mm)	Screw length (mm)	Thread outer diameter (mm)	Metric thread	Head type	PCS in Box
WDBGW-06035	6	35	7.5	M8/M10	SW10	100
WDBGW-06057	6	55	7.5	M8/M10	SW10	100



CONCRETE SCREW WITH EXTERNAL METRIC THREAD

Concrete screw with external metric thread WDBGZ with threaded shank for the installation of permanent and temporary fixings. It is made of carbon steel and covered with a layer of galvanic zinc, which provides anti-corrosion protection. The screw is intended for installation of temporary fixings on site, serial fixings (pipelines, ventilation ducts, mounting rails, consoles), installation of light and medium steel structures.

FEATURES

- No stresses characteristic of mechanical anchors
- The external thread enables direct attachment of e.g. pipe clamps
- Quick and easy assembly by direct screwing into a hole in the concrete
- Without the use of expansion sleeves or other anchoring mortars
- Immediate load ability
- Multiple use

TYPES OF SUBSTRATES ON WHICH SCREW CAN BE INSTALLED:

- Cracked and non-cracked, reinforced and non-reinforced concrete C20/25 ÷ C50/60

USAGE:

- Installation of mounting rails and brackets
- Installation of seasonal garden arrangements
- Installation of steel decorative elements
- Installation of ventilation ducts
- Installation of temporary fastenings
- Installation of metal profiles
- Installation of beams and thresholds
- Installation of equipment on construction site



Catalogue number	Hole diameter (mm)	Screw length (mm)	Thread outer diameter (mm)	Max. thickness of element installed (mm)	Head type	PCS/Box
WDBGZ-06035	6	35	7.5	M8	SW10	200
WDBGZ-06055	6	55	7.5	M8	SW10	200



CONCRETE SCREW WITH COUNTERSUNK HEAD

Flat head TX socket concrete screw with threaded shank for the assembly of permanent and temporary fixings. It is made of carbon steel and covered with a layer of galvanic zinc, which provides anti-corrosion protection. The screw is intended for the installation of temporary fixings at the construction site, serial fixings (barriers, handrails, storage racks, brackets), and the installation of light and medium steel structures.

FEATURES

- No stresses characteristic of mechanical anchors
- Flat head with TX socket enables flush with the fixing element
- Quick and easy assembly by direct screwing into a hole in the concrete
- Without the use of expansion sleeves or other anchoring mortars
- Immediate load ability
- Multiple use
- Fire resistance R30 – R120

TYPES OF SUBSTRATES ON WHICH SCREW CAN BE INSTALLED:

- Cracked and non-cracked, reinforced and non-reinforced concrete C20/25 ÷ C50/60

USAGE:

- Installation of metal profiles
- Installation of ventilation ducts
- Installation of beams and thresholds
- Installation of equipment on construction site
- Installation of mounting rails and brackets
- Installation of seasonal garden arrangements
- Installation of steel decorative elements
- Installation of piping and ducting
- Installation of temporary fastenings
- Installation of handrails and railings



Catalogue number	Hole diameter (mm)	Screw length (mm)	Thread outer diameter (mm)	Max. thickness of element installed (mm)	Head type	PCS/Box
WDBLP-08080	8	80	9.9	15	TX45	50
WDBLP-10090	10	90	12.5	15	TX50	50



CONCRETE SCREW WITH HEX WASHER HEAD

Concrete screw with a hexagonal washer head with a threaded pin for the installation of permanent and temporary fixings. It is made of carbon steel and covered with a layer of galvanic zinc, which provides anti-corrosion protection. The screw is intended for the installation of temporary fixings at the construction site, serial fixings (barriers, handrails, storage racks, brackets), and the installation of light and medium steel structures.

FEATURES

- No stresses characteristic of mechanical anchors
- Quick and easy assembly by direct screwing into a hole in the concrete
- Without the use of expansion sleeves or other anchoring mortars
- Immediate load ability
- Multiple use
- Fire resistance R30 – R120

TYPES OF SUBSTRATES ON WHICH SCREW CAN BE INSTALLED:

- Cracked and non-cracked, reinforced and non-reinforced concrete C20/25 ÷ C50/60

USAGE:

- Installation of handrails inside buildings
- Installation of racks
- Installation of temporary fastenings
- Installation of mounting rails and brackets
- Brackets
- Installation of seasonal garden arrangements
- Anchor plates
- Installation of garden tents
- Installation of metal profiles
- Installation of safety barriers
- Installation of beams and thresholds
- Installation of railings
- Installation of equipment on construction site



Catalogue number	Hole diameter (mm)	Screw length (mm)	Thread outer diameter (mm)	Max. thickness of element installed (mm)	Head type	PCS/Box
WDBLS-06040	6	40	7.5	1	SW10	100
WDBLS-06060	6	60	7.5	5	SW10	100
WDBLS-08080	8	80	9.9	15	SW13	50
WDBLS-10060	10	60	12.5	1	SW17	50
WDBLS-10080	10	80	12.5	5	SW17	50
WDBLS-10120	10	120	12.5	45	SW17	50
WDBLS-10140	10	140	12.5	65	SW17	50



SQ CERAMIC + STAINLESS STEEL A4 WEDGE ANCHOR

Mechanical anchor consists of threaded rod bolt ended with expansion cone, expansion sleeve, hexagonal nut and washer. Threaded rod bolt, nut and washer are made of carbon steel and covered with SQ Ceramic coating, while the expansion sleeve is made of A4 stainless steel. Fixing is executed by tightening the nut with adequate torque which causes sliding of expansion sleeve over the expansion cone and creates a permanent anchorage. The anchor is ideal for fixing in urban and industrial environments, both indoor and outdoor: metal substructure of the facade, machines and equipment, montage of light and medium weight steel structures, handrails and storage racks.

FEATURES

- Fast and simple installation by driving the anchor and tightening
- Ready to carry full capacity immediately
- Supplied assembled with the nut and washer
- Seismic surveys
- Fire resistance R30 – R120

TYPES OF SUBSTRATES ON WHICH ANCHOR CAN BE INSTALLED:

- Cracked and non-cracked, reinforced and non-reinforced concrete of C20/25 ÷ C50/60 strength class

USAGE:

- Installation of handrails
- Installation of balustrades
- Installation of decorative elements
- Installation of lightweight metal structures
- Installation of railings
- Installation of medium metal structures
- Installation of steelwork
- Installation inside building
- Installation of metal substructures for facades in urban and industrial environments
- Outdoor installation
- Installation of machinery and equipment in aggressive environments



Catalogue number	Anchor diameter and length (mm)	Thickness of fixed member (mm)	Thread (mm)	Nut head type	PCS in Box
LE-DA4-08095	8x95	≤40	M8	SW13	50
LE-DA4-10085	10x85	5 - 25	M10	SW17	50
LE-DA4-10105	10x105	25 - 45	M10	SW17	25
LE-DA4-12105	12x105	5 - 25	M12	SW19	50
LE-DA4-12125	12x125	25 - 45	M12	SW19	25
LE-DA4-12145	12x145	45 - 65	M12	SW19	25



GALVANIZED STEEL WEDGE ANCHOR

Mechanical anchor consists of threaded rod bolt ended with expansion cone, expansion sleeve, hexagonal nut and washer. It is made of carbon steel. Corrosion protection is ensured by galvanized zinc coating. Fixing is executed by tightening the nut with adequate torque which causes sliding of expansion sleeve over the expansion cone and creates a permanent anchorage. The anchor is ideal for fixing in indoor: machines and equipment, montage of light and medium weight steel structures, handrails and storage racks.

FEATURES

- Fast and simple installation by driving the anchor and tightening
- Ready to carry full capacity immediately
- Supplied assembled with the nut and washer
- Fire resistance R30 – R120

TYPES OF SUBSTRATES ON WHICH ANCHOR CAN BE INSTALLED:

- Cracked and non-cracked, reinforced and non-reinforced concrete of C20/25 ÷ C50/60 strength class

USAGE:

- Installation of handrails inside buildings consoles
- Installation of supports ladders
- Assembly of machinery and equipment stairs
- Installation of balustrades inside buildings gates
- Installation of railings inside buildings
- Shelves inside buildings
- Installation of steelwork
- Installation of decorative elements inside buildings
- Installation of lightweight and medium metal structures inside buildings

Catalogue number	Anchor diameter and length (mm)	Thickness of fixed member (mm)	Thread (mm)	Nut head type	PCS in Box
LE-ZN-08075	8x75	≤20	M8	SW13	100
LE-ZN-10085	10x85	5 - 25	M10	SW17	50
LE-ZN-10105	10x105	25 - 45	M10	SW17	25
LE-ZN-12105	12x105	5 - 25	M12	SW19	50
LE-ZN-12125	12x125	25 - 45	M12	SW19	25
LE-ZN-12145	12x145	45 - 65	M12	SW19	25





DROP IN ANCHOR

APPLICATION

- For fixing in concrete and hard materials.

TECHNICAL DATA

Material: Galvanized steel

Covering: Zn

Catalogue number	Thread	Length (mm)	Drill diameter (mm)	Packing/Box (pcs)
M517233	M6	25	8	100
M517234	M8	30	10	100
M517235	M10	40	12	50



SLEEVE ANCHOR

APPLICATION

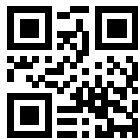
- For fixing in concrete and solid materials.

TECHNICAL DATA

Material: Galvanized steel

Covering: Zn

Catalogue number	Thread	Length (mm)	Drill diameter (mm)	Grade	Packing/Box (pcs)
M517207	M6	45	8	6.8	100
M517208	M6	60	8	6.8	100
M517209	M8	60	10	6.8	100
M517210	M8	80	10	6.8	100
M517211	M10	70	12	6.8	50
M517212	M10	100	12	6.8	25



EYE ANCHOR BOLT

APPLICATION

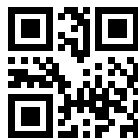
- For fixing in concrete and solid materials

TECHNICAL DATA

Material: Galvanized steel

Covering: Zn

Catalogue number	Thread	Length (mm)	Drill diameter (mm)	Grade	Packing/Box (pcs)
M517218	M6	45	8	6.8	100
M517219	M8	60	10	6.8	50
M517220	M10	70	12	6.8	25





HOOK ANCHOR BOLT

APPLICATION

For fixing in concrete and solid materials.

TECHNICAL DATA

Material: Galvanized steel

Covering: Zn

Catalogue number	Thread	Length (mm)	Drill diameter (mm)	Grade	Packing/Box (pcs)
M517221	M6	45	8	6.8	100
M517222	M8	60	10	6.8	50
M517223	M10	70	12	6.8	25



THREADED HANGING ROD

TECHNICAL DATA

Material: Carbon steel

Covering: Zn

Catalogue number	Thread	Length (mm)	Grade	Packing/Box (pcs)
M517079	M6	1000	4.8	100
M517080	M8	1000	4.8	50
M517078	M10	1000	4.8	40



HEXAGON HEAD SCREWS FULLY THREADED

TECHNICAL DATA

Material: Carbon steel

Covering: Zn

Catalogue number	Thread	Length (mm)	Grade	Packing/Box (pcs)
M317064	M6	16	5.6	500
M317065	M6	20	5.6	500
M317066	M6	25	5.6	500
M317067	M6	30	5.6	500
M317073	M8	20	5.6	200
M317074	M8	25	5.6	200
M317075	M8	30	5.6	200
M317076	M8	40	5.6	200
M317080	M10	30	5.6	200
M317081	M10	40	5.6	100
M317082	M10	50	5.6	100





CARRIAGE BOLT

Metric carriage bolt, for structural fastenings of sheet overlaps, members in steel and wooden structures. The bolt is made of zinc-plated low carbon steel. Metric thread over a part of length of the pin.

USAGE:

- Joining metal structures
- Joining plastic structures
- Joining wooden structures



Catalogue number	Thread (mm)	Diameter and length (mm)	Head diameter (mm)	Property class	BOX/KG	PCS/KG	PCS/BOX
SZM-06020	M6	6x20	14	4.6	3	131	393
SZM-06030	M6	6x30	14	4.6	3	104	312
SZM-06040	M6	6x40	14	4.6	3	84	252
SZM-06050	M6	6x50	14	4.6	3	71	213
SZM-06060	M6	6x60	14	4.6	3	61	183
SZM-06070	M6	6x70	14	4.6	3	54	162
SZM-06080	M6	6x80	14	4.6	3	48	144
SZM-08030	M8	8x30	18	4.6	3	58	174
SZM-08040	M8	8x40	18	4.6	3	47	141
SZM-08050	M8	8x50	18	4.6	3	40	120
SZM-08060	M8	8x60	18	4.6	3	34	102
SZM-08070	M8	8x70	18	4.6	3	30	90
SZM-08080	M8	8x80	18	4.6	3	27	81

GALVANIZED HEXAGONAL NUT DIN 934

Hexagonal nuts are used with metric screws and metric rods. Nuts made in accordance with DIN 934 fit all rods with the metric thread diameter.



Catalogue number	Length and height	Threaded rod size	BOX/KG	PCS/KG	PCS/BOX
NM-06	4.9x11	M6	4	400	1600
NM-08	6.5x13	M8	4	192	768
NM-10	8x17	M10	4	86	344
NM-12	10x19	M12	3	57	171

GALVANIZED HEX SELF-LOCKING NUT DIN 985

Hex self-locking nuts are fasteners cooperating with metric screws. Made of zinc-plated low carbon steel.



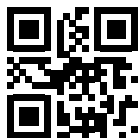
Catalogue number	Threaded rod size	BOX/KG	PCS/KG	PCS/BOX
NMS-06	M6	3	416	1248
NMS-08	M8	3	196	588
NMS-10	M10	3	94	282
NMS-12	M12	3	58	174

GALVANIZED ACORN NUT DIN 1587

Acorn nuts are fasteners cooperating with metric screws. Made of zinc-plated low carbon steel.



Catalogue number	Threaded rod size	BOX/KG	PCS/KG	PCS/BOX
NMK-06	M6	3	214	642
NMK-08	M8	3	90	270
NMK-10	M10	3	49	147
NMK-12	M12	3	35	105



GALVANIZED WING NUT DIN 315

Wing nuts are fasteners cooperating with metric screws. Made of zinc-plated low carbon steel.



Catalogue number	Threaded rod size	BOX/KG	PCS/KG	PCS/BOX
NMM-06	M6	3	169	507
NMM-08	M8	3	114	342
NMM-10	M10	3	67	201
NMM-12	M12	3	26	78



GALVANIZED STANDARD FLAT WASHER LARGE DIN 125A

200HV grade washers for use with: screws of classes A and B and grades of up to 8.8, hexagonal nuts of class A and B and the class of up to 8 as well as hardened bolts.

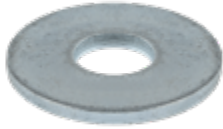


Catalogue number	Inner/Outer diameter (mm)	Height (mm)	Threaded rod size	BOX/KG	PCS/KG	PCS/BOX
PON-06	6.4/12	1.6	M6	4	980	3920
PON-08	8.4x16	1.6	M8	4	546	2184
PON-10	10.5x20	2.0	M10	4	280	1120
PON-12	13x24	2.5	M12	4	159	636



GALVANIZED WIDE FLAT WASHER DIN 9021A

200HV grade large washers for use with: screws of classes A and B and grades of up to 8.8, hexagonal nut of class A and B and the class of up to 8 as well as hardened bolts.



Catalogue number	Inner/Outer diameter (mm)	Height (mm)	Threaded rod size	BOX/KG	PCS/KG	PCS/BOX
POD-06	6.4/18	1.8	M6	4	358	1432
POD-08	8.4x24	2.0	M8	4	160	640
POD-10	10.5x30	2.5	M10	4	81	324
POD-12	13x37	3.0	M12	4	45	180

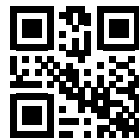


GALVANIZED SPRING WASHER DIN 127

Spring washers cooperating with metric screws and hexagonal nuts. Made of zinc-plated low carbon steel.



Catalogue number	Inner/Outer diameter (mm)	Height (mm)	Threaded rod size	BOX/KG	PCS/KG	PCS/BOX
POS-06	6.4/12	1.6	M6	3	1204	3612
POS-08	8.4x16	1.6	M8	3	625	1875
POS-10	10.5x20	2.0	M10	3	395	1185
POS-12	13x24	2.5	M12	3	261	783



CONNECTING ANGLE PLATE

Three-dimensional plate fasteners for nailing are used for various timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.



USAGE:

- For joining wooden elements
- For joining wooden structures

Catalogue number	Construction resistance (kN)	Angle	Dimension (mm)	Thickness (mm)	Packing BOX
KL-01	1.23	90°	52x52x35	2.5	100
KL-02	1.83	90°	72x72x55	2.5	50
KL-03	1.83	90°	90x90x65	2.5	50





REINFORCED ANGLE BRACKET

Three-dimensional plate fasteners for nailing are used for various timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For joining wooden elements

Catalogue number	Construction resistance (kN)	Angle	Dimension (mm)	Thickness (mm)	Packing BOX
KPW-01	5,79	90°	73x73x55	2.5	50
KPW-02	5,79	90°	93x53x55	2.5	50
KPW-03	5,79	90°	92x92x65	2.5	50
KPW-04	5,79	90°	105x105x90	2.5	25
KPW-07	5,79	90°	93x53x48	2.5	50



NAIL PLATE ANGLE BRACKET

Three-dimensional plate fasteners for nailing are used for various timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For joining wooden elements

Catalogue number	Construction resistance (kN)	Angle	Dimension (mm)	Thickness (mm)	Packing BOX
KP-02	1,23	90°	42x42x40	2	50
KP-03	1,23	90°	42x42x60	2	50
KP-04	1,83	90°	42x42x100	2	50
KP-05	2,04	90°	42x42x200	2	50
KP-06	1,23	90°	52x52x40	2	50
KP-07	1,23	90°	62x62x40	2	50
KP-08	1,81	90°	62x62x40	2	50
KP-09	1,81	90°	62x62x80	2	50
KP-10	1,81	90°	62x62x100	2	50
KP-11	1,83	90°	82x82x40	2	50
KP-12	2,04	90°	82x82x60	2	50
KP-13	2,04	90°	82x82x80	2	25
KP-14	2,04	90°	102x102x60	2	25
KP-15	4,51	90°	102x102x80	2	25
KP-16	4,51	90°	102x102x100	2	25





WIDE ANGLE BRACKET

Three-dimensional plate fasteners for nailing are used for various timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For joining wooden elements

Catalogue number	Construction resistance (kN)	Angle	Dimension (mm)	Thickness (mm)	Packing BOX
KS-01	1,13	90°	32x32x30	2	100
KS-02	1,13	90°	42x42x40	2	100
KS-03	2,14	90°	60x60x60	2	50



NARROW ANGLE BRACKET

Three-dimensional plate fasteners for nailing are used for various timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For fastening wooden elements
- For fastening wood-based elements

Catalogue number	Construction resistance (kN)	Angle	Dimension (mm)	Thickness (mm)	Packing BOX
KW-01	0.73	90°	27x27x17	2	100
KW-03	0.73	90°	42x42x17	2	100
KW-04	0.73	90°	52x52x17	2	100
KW-05	0.73	90°	62x62x17	2	100
KW-06	0.73	90°	77x77x17	2	100
KW-09	0.73	90°	104x104x20	4	50
KW-11	0.73	90°	125x125x20	5	50
KW-12	0.73	90°	150x150x25	5	50





C- BRACKET WITH SKEWABLE ANGLE 135°

Three-dimensional plate fasteners for nailing are used for various timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For joining wooden elements

Catalogue number	Construction resistance (kN)	Angle	Dimension (mm)	Thickness (mm)	Packing BOX
CLG-01	1.23	135°	50x50x35	2.5	25
CLG-02	1.83	135°	70x70x55	2.5	25



RAFTER CONNECTOR

Three-dimensional plate fasteners for nailing are used for various timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For joining rafters - increasing wind resistance of the roof

Catalogue number	Direction	Construction resistance (kN)	Angle	Dimension (mm)	Thickness (mm)	Packing BOX
LK-01-L	Left	6.66	90°	40x170x100	2	25
LK-02-P	Right	6.66	90°	40x170x100	2	25
LK-03-L	Left	6.66	90°	40x210x140	2	25
LK-04-P	Right	6.66	90°	40x210x140	2	25
LK-05-L	Left	6.66	90°	40x250x180	2	25
LK-06-P	Right	6.66	90°	40x250x180	2	25





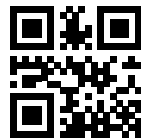
NAIL PLATE

Nail plates for nailing are made from steel sheet and used mainly for various types of timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For joining wooden elements

Catalogue number	Construction resistance (kN)	Dimension (mm)	Thickness (mm)	Packing BOX
LP-01	1.1	40x80	2	50
LP-02	1.1	40x100	2	50
LP-03	1.1	40x120	2	50
LP-04	1.1	40x160	2	100
LP-08	1.1	60x140	2	50
LP-09	1.48	60x160	2	50
LP-11	1.48	60x200	2	50
LP-13	1.48	60x240	2	50
LP-17	2.46	80x200	2	50
LP-19	2.46	80x240	2	50
LP-20	2.46	80x300	2	25
LP-21	2.46	100x200	2	50
LP-23	2.46	100x240	2	50
LP-24	2.46	100x260	2	50
LP-25	2.46	100x300	2	50
LP-26	2.46	120x240	2	50
LP-27	2.46	120x300	2	50
LP-28	2.46	140x400	2	50



SPECIAL PURPOSE PLATE TIE

Nail plates for nailing are made from steel sheet and used mainly for various types of timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For joining wooden elements

Catalogue number	Construction resistance (kN)	Dimension (mm)	Thickness (mm)	Packing BOX
LPS-01	1.08	100x35	2.5	50
LPS-02	1.08	140x55	2.5	50





T-BRACKET

Nail plates for nailing are made from steel sheet and used mainly for various types of timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For joining wooden elements

Catalogue number	Dimension (mm)	Thickness (mm)	Packing BOX
LT-01	70x50x16	2	50



JOIST HANGER

Three-dimensional plate fasteners for nailing are used for various timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- Executing carpentry joints
- For installation of wooden construction beams
- Making connections between wooden beams and concrete walls

Catalogue number	Construction resistance (kN)	Dimension (mm)	Thickness (mm)	Packing BOX
WB-03	6.98	45x102x75	2	20
WB-08	6.98	51x102x75	2	20
WB-09	6.98	51x128x75	2	20
WB-12	5.53	64x102x75	2	20
WB-13	6.98	64x132x75	2	20
WB-19	8.75	79x154x75	2	20
WB-24	8.75	104x142x75	2	20
WB-25	9.69	124x162x80	2	10
WB-26	9.69	144x182x80	2	10





STRAP ANCHOR

Three-dimensional plate fasteners for nailing are used for various timber-to-timber connections. For connections, the following fasteners can be used: nails, screws, ring shank nails and screws. Angle brackets have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For fastening ground beams
- For fastening wall plates
- For fastening wooden walls
- For anchoring wooden elements
- For fastening posts

Catalogue number	Construction resistance (kN)	Dimension (mm)	Angle	Thickness (mm)	Packing BOX
KK-01	2.5	90°	42x202x40	2	25
KK-02	3.68	90°	42x302x40	2	25
KK-03	3.68	90°	42x402x40	2	25



FOUNDATION ANCHOR

Foundation anchor is used as a fastener for timber-to-concrete or metal-to-concrete connections, mainly as a base for post when hiding the anchor inside a pole is not required. Ensures a very tight connection. It is designed to transfer vertical forces. Made from steel sheet. For connections, pin type fasteners, such as screws or bolts, can be used. Anchors have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- For joining wooden elements to concrete substrate

Catalogue number	Construction resistance (kN)	Overground size (mm)	Thickness (mm)	Packing BOX
LB-01	1.86	80x60x130	5	10
LB-02	1.86	90x60x130	5	10
LB-03	1.86	100x60x130	5	10
LB-04	1.86	110x60x130	5	10
LB-05	1.86	160x60x130	5	10
LB-06-OT	1.86	89x90x130	5	10
LB-07	1.86	130x60x130	5	10





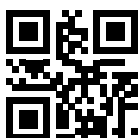
POST BASE

Post base made of steel sheet is used as a fastener for timber-to-concrete or metal-to-concrete connections. It is mainly used as a base for metal or wood post. For connections, pin type fasteners, such as screws or bolts, can be used. Anchors have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc-plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- Joining wooden structure to concrete elements

Catalogue number	Hole size (mm)	Plate size (mm)	Height (mm)	Thickness (mm)	Packing BOX
KOP-01	71x71	145x145	150	2	1
KOP-02	91x91	145x145	170	2	1



POST ANCHOR

Post anchors made of steel sheet are used mainly for securing wood posts directly in the ground. For connections, pin type fasteners, such as screws or bolts, can be used. Anchors have their own nailing diagrams. If no information is given it is assumed that they should be fixed using all available holes. Fasteners are coated with blue zinc plated coating ensuring corrosion protection and come in fire resistance class A1.

USAGE:

- Stabilization of wooden columns

Catalogue number	Hole size (mm)	Underground length (mm)	Overground length (mm)	Thickness (mm)	Packing BOX
KOW-01	71x71	600	145	2	1
KOW-02	91x91	600	145	2	1

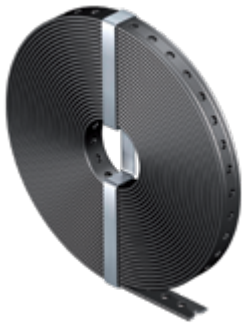




SHELF BRACKET

Shelf bracket made of steel sheet. It is used as a bracket when installing any type of wall shelves. Fixing is done using all holes. Fasteners are powder coated to ensure their corrosion protection.

Catalogue number	Colour	Dimensions (mm)	Packing BOX
WP-02BI	White	100x125	20
WP-02BR	Brown	100x125	20
WP-04BI	White	150x200	20
WP-04BR	Brown	150x200	20
WP-06BI	White	200x250	20
WP-06BR	Brown	200x250	20
WP-08BI	White	300x350	20
WP-08BR	Brown	300x350	20
WP-09BI	White	350x400	20
WP-09BR	Brown	350x400	20

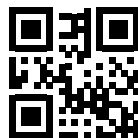


PERFORATED STEEL STRAP WITH PE PLASTIC JACKETING

APPLICATIONS

For securing, supporting and strapping of cable, trunking and ducting. Use for joist strutting, window frame and sill fixing, fencing repairs and construction, hanging ductwork.

Catalogue number	Model	Width (mm)	Thickness (mm)	Hole diameter (mm)	Length (m)	Packing/Box (pcs)
M318155	5055 L PE I 14	13	3	5.2	10	1



PERFORATED STEEL STRAP IN UNCOLING BOX

APPLICATIONS

For securing, supporting and strapping of cable, trunking and ducting. Use for joist strutting, window frame and sill fixing, fencing repairs and construction, hanging ductwork.

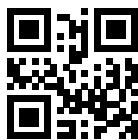
Catalogue number	Model	Width (mm)	Thickness (mm)	Hole diameter (mm)	Length (m)	Packing/Box (pcs)
M318154	5055 LI12 FS	12	1	5.2	10	1





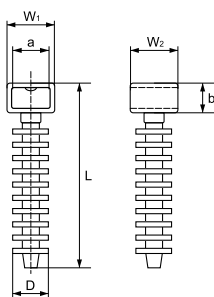
HARDENED STEEL NAILS, SIKO

Catalogue number	Model	Length (mm)	Diameter (mm)	Packing/Box (pcs)
M499108	Siko 16	16	2	100/2000
M499489	Siko 30	30	2	100/1000

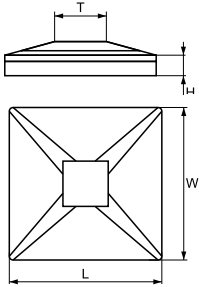
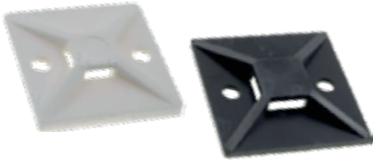


CABLE TIE HOLDER

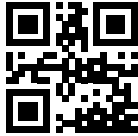
Catalogue number	Type	Colour	Bore diameter (mm)	Dimensions (mm)						Packing (pcs)
				a	b	D	W1	W2	L	
500046	MT-8	White	8	9.7	6.3	9.9	12.7	12.6	43	100
500047	MT-8	Black	8	9.7	6.3	9.9	12.7	12.6	43	100



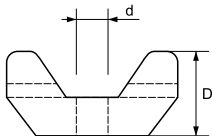
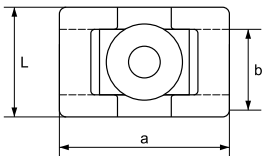
CABLE TIE MOUNTS ADHESIVE



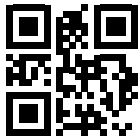
Catalogue number	Type	Colour	Dimensions (mm)				Packing (pcs.)
			L	W	H	T	
500041	MT-25	White	25	25	7.5	6.2	100
500042	MT-25	Black	25	25	7.5	6.2	100
500043	MT-30	White	30	30	8.7	6.4	100
500039	MT-30	Black	30	30	8.7	6.4	100



CABLE TIE BASES FIXED WITH SCREWS



Catalogue number	Type	Colour	Dimensions (mm)					Packing (pcs)
			a	b	L	d	D	
500048	CTH-2C	White	22	16.5	9	5.8	9.5	100
500038	CTH-2C	Black	22	16.5	9	5.8	9.5	100





CABLE TIES - WHITE

Catalogue number	Type	Length (mm)	Colour	Width (mm)	Packing (pcs)	Packing / Box (pcs)
500100	Cable ties	100	White	2.5	100	10/800
500152	Cable ties	150	White	2.5	100	10/500
500162	Cable ties	160	White	2.5	100	10/500
500202	Cable ties	200	White	2.5	100	10/400
500253	Cable ties	250	White	3.5	100	10/250
500283	Cable ties	280	White	3.5	100	10/200
500303	Cable ties	300	White	3.5	100	10/200
500304	Cable ties	300	White	4.8	100	10/120
500373	Cable ties	370	White	3.5	100	10/120
500384	Cable ties	380	White	4.8	100	10/100
500454	Cable ties	450	White	4.8	100	10/70
500507	Cable ties	500	White	7.9	100	5/40



CABLE TIES - BLACK

Catalogue number	Type	Length (mm)	Colour	Width (mm)	Packing (pcs)	Packing / Box (pcs)
500151	Cable ties	150	Black	2.5	100	10/500
500161	Cable ties	160	Black	2.5	100	10/500
500251	Cable ties	250	Black	3.5	100	10/250
500281	Cable ties	280	Black	3.5	100	10/200
500301	Cable ties	300	Black	3.5	100	10/200
500501	Cable ties	500	Black	7.9	100	40



CABLE HOLDER WITH TIE

Catalogue number	Type	Colour	Dissensions (mm)				Packing (pcs)
			a	b	c	d	
500444	Cable holder with tie	Black	27	14	140	0,5	20





WALL PLUG WITH CABLE TIE

Catalogue number	Type	Colour	Bore diameter (mm)	Tie Length (mm)	Packing (pcs)
500427	Wall plug with cable tie	Black	6	95	50
500425	Wall plug with cable tie	Black	8	95	50



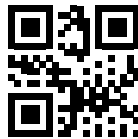
WIRE GRIP BAND FOR FLAT CABLE

Catalogue number	Type	Colour	Bore diameter (mm)	Width of the head	Packing (pcs)
500432	Wire grip band for flat cable 1	White	6-7	18	50
500434	Wire grip band for flat cable 2	White	6-7	12	50
500436	Wire grip band for flat cable 3	White	6-7	10	50

Wire grip band 1 is Suitable for flat cables with section- 2x1.0; 2x1.5mm²

Wire grip band 2 is Suitable for flat cables with section- 2x2.5; 3x1.0

Wire grip band 3 is Suitable for flat cables with section- 2x4; 2x6; 3x1.5; 3x2.5mm²



WIRE GRIP BAND FOR ROUND CABLE

Catalogue number	Type	Colour	Bore diameter (mm)	Width of the head	Packing (pcs)
500438	Wire grip band for round cable 4	White	6-7	6	50
500440	Wire grip band for round cable 5	White	6-7	8	50
500439	Wire grip band for round cable 6	White	6-7	10	50
500441	Wire grip band for round cable 7	White	6-7	14	50
500442	Wire grip band for round cable 8	White	8-9	20	50

Wire grip band 4 is Suitable for round cables with section- 2x1.0; 2x1.5; 3x1.0; 3x2.5mm²; RG6

Wire grip band 5 is Suitable for round cables with section- 2x0.5; 2x0.75; UTP; FTP

Wire grip band 6 is Suitable for round cables with section- 2x2.5; 3x1.5; 4x1

Wire grip band 7 is Suitable for round cables with section- 3x6; 4x4; 5x2.5

Wire grip band 8 is Suitable for round cables with diameter D20mm





CABLE FIXING CLIPS

Support insulators are used in control and distribution cabinets mounting when bars isolation is required. Provides reliable insulation of live parts.

TECHNICAL SPECIFICATION

Rated voltage: 1000V
Insulating voltage: 5000 V
Ambient temperature : -40 to +65°C

Catalogue number	Type	Diameter (mm)	Packing (pcs)	Packing/ Box (pcs)
500004	CHR-4	4	100	500
500005	CHR-5	5	100	500
500006	CHR-6	6	100	300
500007	CHR-7	7	100	300
500008	CHR-8	8	100	250
500009	CHR-9	9	100	200
500010	CHR-10	10	100	200
500012	CHR-12	12	100	100
500014	CHR-14	14	100	50
500016	CHR-16	16	100	50

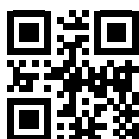


HAMMER DRIVEN FASTENER WITH PLASTIC PIN AND SHORT EXPANSION ZONE

Hammer driven fastener with plastic pin and short expansion zone is made from polyethylene, and the pin from glass fibre-reinforced polyamide which improves its strength. Fastener should be used to transfer loads of wind suction forces and applied as an additional mechanical fixing for the whole system, recommended for:

EPS polystyrene
XPS polystyrene

Catalogue number	Fastener diameter and length (mm)	Packing BOX
LTX10070	10x70	200
LTX10090	10x90	200
LTX10110	10x110	200
LTX10120	10x120	200
LTX10140	10x140	200
LTX10160	10x160	200
LTX10180	10x180	200
LTX10200	10x200	200
LTX10220	10x220	100
LTX10260	10x260	100





HAMMER DRIVEN FASTENER WITH PLASTIC PIN AND EXTENDED EXPANSION ZONE

Hammer driven fastener with plastic pin and extended expansion zone is made from polyethylene, and the pin from glass fibre-reinforced polyamide which improves its strength. Fastener should be used to transfer loads of wind suction forces and applied as an additional mechanical fixing for the whole system, recommended for:

EPS polystyrene
XPS polystyrene

Catalogue number	Fastener diameter and length (mm)	Packing BOX
LFN10300	10x300	100



HAMMER DRIVEN FASTENER WITH METAL PIN AND SHORT EXPANSION ZONE

Hammer driven fastener with metal pin and short expansion zone is made from polyethylene, and the pin from galvanized steel, with the head sealed in polyamide which reduce spot thermal conductivity of the fastener. Fastener should be used to transfer loads of wind suction forces and applied as an additional mechanical fixing for the whole system, recommended for:

EPS polystyrene
XPS polystyrene
mineral wool (with support washer TDX-90 and TDXP-140)
mineral wool lamella board (with support washer TDX-90 and TDXP-140)

Catalogue number	Fastener diameter and length (mm)	Packing BOX
LMX10070	10x70	200
LMX10090	10x90	200
LMX10110	10x110	200
LMX10120	10x120	200
LMX10140	10x140	200
LMX10160	10x160	200
LMX10180	10x180	200
LMX10200	10x200	200
LMX10220	10x220	100
LMX10260	10x260	100



SUPPORT WASHER



Support washers TDX-90/TDX-140 are made from glass fibre-reinforced polyamide. They should be used together with fasteners if mineral wool or mineral wool lamella board is applied as thermal insulation material. Increased surface of the support washer compensates for low strength of wool when drawn through fastener collar. Support washers complement fasteners for fastening of any type of soft mineral wool.

USAGE

- For fastening mineral wool
- For fastening lamella wool

Catalogue number	Plate diameter (mm)	Plug diameter (mm)	PCS in Box
TDX-90	90	8	100
TDXP-140	140	10	200

PLASTIC CUTTER FOR CUTTING HOLES IN POLYSTYRENE



Plastic cutter WK-FT for cutting holes in polystyrene insulation material for insertion of polystyrene disc KS/KSG in immersed mount of fasteners. The cutter has a flange collar to ensure a controlled cutting depth of 2cm. Installation of fasteners using cutter WK-FT and polystyrene discs (KS/KSG) minimizes spot thermal conductivity of fasteners and makes preparation of surface for final finishing of the façade much easier and faster.

USAGE

- For making holes for recessed installation - concealed in polystyrene foam

Catalogue number	Diameter (mm)	Max. cutting depth (mm)	PCS in Box
WK-FT	66.7	20	1

POLYSTYRENE DISC



Polystyrene discs KS/KSG for covering up work holes in polystyrene and protecting of fastener fixing thermal insulation material in immersed mount so as to minimize spot thermal conductivity of the fastener. This eliminates spots appearing on the wall with fastened thermal insulation material due to water vapour condensation.

FEATURES

- makes preparation of surface for facade finishing easier and faster
- allows for use of fasteners 20mm shorter compared to installation of fastener without polystyrene disc (so-called surface mount)
- eliminates thermal bridges

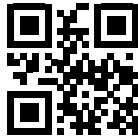
Catalogue number	Diameter (mm)	Thickness (mm)	Reaction to fire class	Colour	PCS in Box
KS	67	17	E	White	100
KSG	67	17	E	Graphite	100



FISCHER FIS AB 300 T

MF500489

- Model: FIS AB 300 T
- Processing time: approx. 5 min at 20 °C
- Curing time: approx. 60 min at 20 °C
- Brand: **fischer** 



APPLICATIONS


High-performance hybrid mortar for high loads in almost all building materials. Fixing pressure-free fastening enables small edge and axis distances. Injection cartridges can be processed without special extrusion devices incl. 2 static mixers.

Injection cartridges that are not fully squeezed out can be reused by changing the static mixer.

When fixing in solid building materials, the drill hole must be cleaned thoroughly. The use of a hollow drill makes conventional drilling cleaning unnecessary.

FISCHER INJECTION ANCHOR SLEEVE PLASTIC

BUILDING MATERIALS

- Vertically perforated brick
- Hollow blocks made from lightweight concrete
- Hollow blocks made from concrete
- Perforated sand-lime brick
- Solid sand-lime brick
- Solid brick
- Hollow pumice slabs
- Slabs made of hollow brick and other perforated brick
- Solid pumice and other solid building materials
- ETA-approval
- Brand: **fischer** 



APPLICATIONS

- Anchorings in perforated brick masonry with injection mortars.

Catalogue number	Model	Drill hole diameter d0 (mm)	Min. drill hole depth h1 (mm)	Effect. anchorage depth hef (mm)	Fill quantity per sleeve (scale unit)	Packing/Box (pcs)
MF500490	FIS H 12X50 K	12	60	50	5	50
MF500491	FIS H 12X85 K	12	95	85	10	50
MF500492	FIS H 16X130 K	16	140	110	15	20
MF500493	FIS H 20X85 K	20	95	85	15	20



FISCHER INTUMESCENT ACOUSTIC MASTIC FIAM 310 ML

MF500494

FISCHER FiAM is a one part water based acrylic emulsion that can provide up to 5 hours fire resistance when used in construction joints and services in both vertical and horizontal applications. When exposed to fire, it reacts to form a highly insulative char that slows down heat transfer, and provides a barrier to fire seal. Formulated to be halogen and solvent free the FiAM exhibits excellent slump characteristics and has been designed to maintain the sound reduction index of a structure.

- Brand: **fischer** 

APPLICATIONS

- Metallic pipes: 6" (159 mm)
- Cable trays: 18" x 2" (450 x 50 mm)
- Cable bunches: 3" (80 mm)
- Linear joints: flexible and rigid construction elements
- Joints between FCPS coated panel system

TOP FEATURES

- Up to 5 hours fire resistance
- Movement capability $\pm 25\%$
- Halogen and solvent free
- Low VOC
- Water based

BUILDING MATERIALS

- Flexible wall constructions
- Rigid floor and wall constructions
- Masonry
- Concrete
- Timber
- Steel
- FCPS System



FISCHER INTUMESCENT GRAPHITE MASTIC FIGM 310 ML

MF500495

FISCHER Intumescent Graphite Mastic FIGM is a one part water based flexible acrylic emulsion containing a high pressure intumescent graphite which is used to seal service penetrations in both vertical and horizontal applications. Tested to both BS 476 & BS EN1366-3 /4 the FISCHER FIGM is also ETA approved and CE Marked for a wide range of applications such as, non metallic pipes, metallic and insulated pipes, MLC pipes, cables and cable bunches and can also used in combination with the fischer FCPS Coated Panel System.

- Brand: **fischer** 

APPLICATIONS

- Metallic pipes: 6" (159 mm)
- Non-metallic pipes: 5" (125 mm)
- Cable bunches: 1" (21 mm)
- Insulated service: 6" (159 mm)
- Construction joints: 1" (25 mm)
- Mixed services

TOP FEATURES

- Low VOC
- Halogen and solvent free
- Excellent slump characteristics
- Excellent acoustic properties

BUILDING MATERIALS

- Concrete
- Masonry
- Steel
- Timber



PENOSIL GENERAL SILICONE, GOLD SERIES

M033128

Type: General silicone, 310ml
Colour: Transparent

APPLICATIONS

Indoor and outdoor applications.
Sanitary applications.
Installation and sealing of windows and doors.
Sealing of ventilation systems.
Not suitable for aquariums.

TOP FEATURES

Good adhesive properties.
Excellent processing and smoothing properties.
Suitable for slightly alkaline, acidic and metal surfaces.
Does not cause colour changes on marble or other natural stone surfaces.
Does not cause corrosion on metal.
After curing very good temperature resistance (between -60 °C and +200 °C).
Does not lose volume during the curing process.
Permanent elasticity.
Mould, UV, moisture and weather resistant
Cartridge: 310ml



PENOSIL UNIVERSAL SILICONE, STANDARD SERIES

M033129

Type: Universal silicone, 280ml
Colour: Transparent

M033130

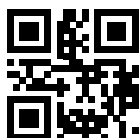
Type: Universal silicone, 280ml
Colour: White

APPLICATIONS

Insulation and sealing of connections in indoor and outdoor works.
General construction and repair works.
Moist and dry rooms.
All finishing, insulation, glassing works.
Insulation of window and door frames and light box displays.

TOP FEATURES

Insulates and seals.
Non-sagging, does not spread in the joint.
Excellent processing and smoothing properties.
Touch-dries quickly.
Adheres well to wood, glass, ceramic tiles, many plastics, and most paints.
Elastic.
UV and weather proof.
Cartridge: 280ml



PENOSIL SANITARY SILICONE, STANDARD SERIES

M033131

- Type: Sanitary silicone, 280ml
- Colour: Transparent

M033132

- Type: Sanitary silicone, 280ml
- Colour: White

APPLICATIONS

- Insulation and sealing of connections during indoor works.
- Insulation and sealing of washbasin, bath, shower, swimming pool connections.
- Insulation of water supply, drainage and PVC-pipes.
- Glazing works.

TOP FEATURES

- Excellent processing and smoothing properties.
- Contains fungicides.
- Mould, UV, moisture and weather resistant.
- Touch-dries quickly.
- Non-sagging, does not spread in the joint.
- Adheres well to glass, glazed surfaces, ceramic tiles, many plastics, metals, and most paints.
- Elastic.
- Long storage time.
- Cartridge: 280ml



PENOSIL BITUM SEALANT, PREMIUM SERIES

M033133

- Type: Bitum sealant, 310ml
- Colour: Black

APPLICATIONS

- Insulation of roof and chimney joints.
- Insulation of joints between bituminous plates or rolls.
- Repairing small leakages and open cracks on flat roofs.
- Patching up joint leakages between metal sheets

TOP FEATURES

- Touch-dries quickly.
- Immediately rain and ice resistant.
- Suitable on bituminous materials, alkali and metals.
- Usable on damp surfaces.
- Melting temperature over 100 °C.
- Will not become brittle in cold.
- Can also be used in vertical joints.
- Dissolved acid, alkali, emission and weather resistant.
- High tensile strength
- Cartridge: 310ml



PENOSIL ACRYLIC SEALANT, STANDARD SERIES

M033134

- Type: Acrylic sealant, 280ml
- Colour: White

APPLICATIONS

- Filling of wall cracks and joints.
- Filling the joints between window frames and walls.
- Filling of joints between plasterboards and filling of screw holes.
- Correction of surface defects before painting.

TOP FEATURES

- Comfortable use.
- Low odour level.
- Forms a plastic connection.
- Non-sagging, does not spread in the joint.
- Paintable.
- Good adherence on most building materials.
- Moisture resistant 5 hours after application.
- High UV-level.
- Cartridge: 280ml



PENOSIL FOAM, STANDARD SERIES

M033135

M033136

M033137

- Type: Foam, 750ml
- Type: Foam, 300ml
- Type: Gun foam, 750ml

APPLICATIONS

- Filling of holes and gaps, insulation of joints
- Installation and insulation of construction structures
- Insulation and fixation of pipes
- Thermo and sound insulation

TOP FEATURES

- Good filling properties.
- Good foam for interior and exterior works under normal conditions.
- Good adherence on various building materials.
- Usable with the delivered straw applicator.
- Easy to use.
- The new and narrower straw ensures better foam structure and higher output.
- The new trigger is suitable for temporary air-tight sealing of the straw during work pauses.



PENOSIL FOAM CLEANER, PREMIUM SERIES

M033138

- Type: Foam cleaner, 500ml

APPLICATIONS

- Cleaning of foam gun after use both inside and outside.
- Cleaning of clothes and tools from uncured construction foam.
- Cleaning of window frames, window sills, doors, jambs, etc. From uncured construction foam during work.

TOP FEATURES

- Efficiently cleans uncured construction foam from foam gun, clothes, adjacent surfaces.
- Suitable for immediate cleaning of a foam gun from inside after use.

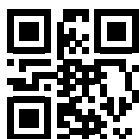


CAULKING GUN

598170

TECHNICAL DATA

Type: Caulking gun
Material: Aluminum
Size: 225 mm



CAULKING GUN

598171

TECHNICAL DATA

Type: Caulking gun
Material: Plastic
Size: 225 mm



FOAM GUN

598173

TECHNICAL DATA

Type: Foam gun
Material: Aluminum body and Teflon coated basket adapter
Size: 225 mm



CAULKING GUN

598172

TECHNICAL DATA

- Handle: Aluminum
- Body: Powder coated
- Length: 375mm

