



Hand tools

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Heavy-duty insulation *up to 1000 V.*

Tested and approved VDE tools from Klauke.

Every Klauke VDE tool is produced and tested as per the latest directives of the safety test methods according to EN/IEC 60900 (VDE 0682 Part 201). All VDE tools are rated to 1500 volt DC and 1000 volt AC.



Klauke pliers have been granted the IF Product Design Award.



- **VDE Pliers.**
- **VDE Side cutters.**
- **VDE Cable cutters.**
- **VDE Screwdrivers.**



The impact-resistant hard core optimises the durability of the tools. The handle also offers the option of using the screwdriver as a lever. Another special feature is the profile stamp that clearly identifies the tools.



■ Everything under control, even **under voltage**.

- ▶ Pliers with **heavy-duty hand protection** to protect against flying sparks.
- ▶ A cold impact test (at -25 °C), a test of the adhesive strength of the insulation (with 500 N) and a single voltage test in a water bath (10,000 V/AC) are carried out in accordance with EN/IEC 60900.
- ▶ 2-component safety handle.

Benefits:

- ▶ The heavy-duty hand protection provides added safety when working under voltage.
- ▶ Guaranteed protection even under extreme conditions.
- ▶ Non-slip overlay thanks to matched elastomers.

■ Correct turnings for +/- applications.

- ▶ Special blade shape especially for +/- applications

Benefits:

- ▶ Damage to screw heads by wrong blades is avoided.
- ▶ The head profile causes a torque-dependent, compared with Philips screws lower axial counter force which drives the screwdriver from the slot prior breaking of the screw.



▶ More on Page 434.



■ More force, less effort *for quick cuts.*

- ▶ Cutting surfaces with special flute section.
- ▶ Extended cutting edges.

Benefits:

- ▶ The extended cutting edges combined with the special flute section allow **quick and easy cuts** with comparatively little effort.

■ Handle with all the trimmings:

Ergonomic design, impact protection and nameplate.

- ▶ Ergonomically-designed handle with impact protection.
- ▶ Integrated nameplate on the inside of the handle.

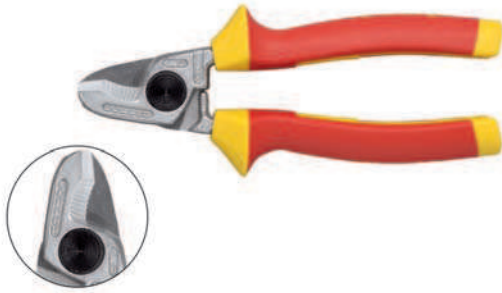
Benefits:

- ▶ Improved force transmission during work.
- ▶ No damage to the tools when dropped.
- ▶ No confusion with other tools thanks to simple identification.



Hand tools

VDE tools



■ VDE Cable cutters

- New wave profile for longer service life

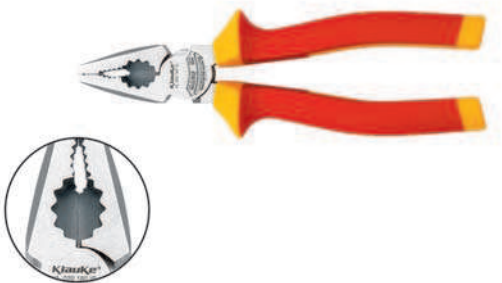
Suitable for:

- Stripping and cutting of copper and aluminium cables
- Cable cross-section up to 50 mm², cable up to Ø 16 mm (KL010160IS)
- Cable cross-section up to 70 mm², cable up to Ø 25 mm (KL010210IS)

Characteristics

- Adjustable joint

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Cable cutters	KL010160IS	160	225	1
VDE Cable cutters	KL010210IS	210	340	1



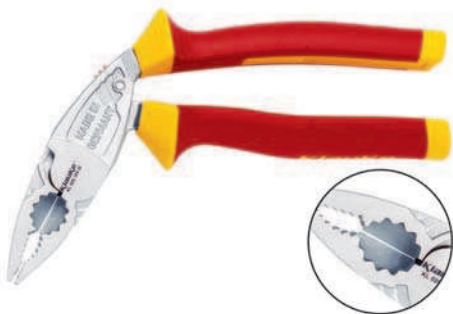
■ VDE Heavy-duty combination plier

- With combination spanner from 11 - 17 mm (M8 - M10)

Suitable for:

- Holds flat and round material
- Blades for hard and soft wires

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Heavy-duty combination plier	KL020165IS	165	200	1
VDE Heavy-duty combination plier	KL020180IS	180	255	1
VDE Heavy-duty combination plier	KL020205IS	205	280	1



■ VDE Heavy-duty combination plier angled

- With combination spanner from 11 - 17 mm (M8 - M10)

Suitable for:

- Holds flat and round material
- Blades for hard and soft wires

Characteristics

- Angled head

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Heavy-duty combination plier angled	KL026205IS	180	285	1

VDE Side cutters

New wave profile for longer service life

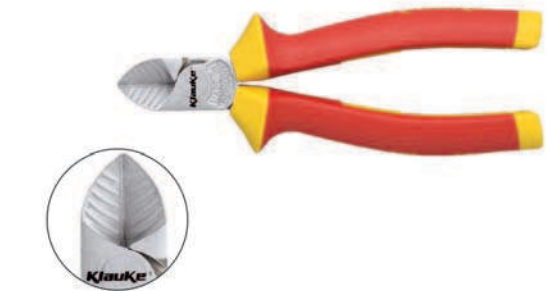
Suitable for:

- Soft copper and aluminium, plastic up to Ø 5.0 / 6.0 / 7.0 mm
- Hard wire, wire cable fibre, steel wire up to Ø 1.7 / 2.0 / 2.5 mm
- Cable - multiconductors, single core and stranded Ø 8 / 11 / 13 mm

Characteristics

- High cutting performance on hard and soft wires

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Side cutters	KL040145IS	145	160	1
VDE Side cutters	KL040160IS	160	220	1
VDE Side cutters	KL040180IS	180	255	1



VDE Side cutters

4 Functions Cutting - stripping - crimping - bending

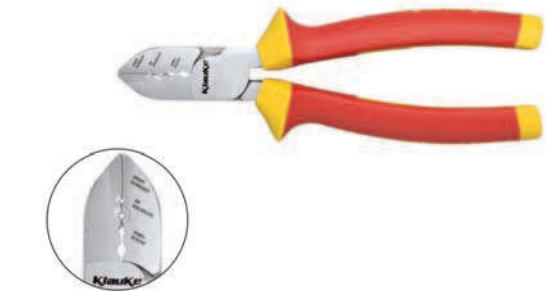
Suitable for:

- Cable - multiconductors, single core and stranded Ø 4.0 mm
- Hard wire and steel wire up to Ø 1.0 mm
- Soft copper and aluminium wire, plastic up to Ø 2.0 mm
- Stripping 1.5 mm² and 2.5 mm² of single and stranded conductors

Characteristics

- Inductive hardened precision cutting edges for fine wires

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Side cutters	KL042190IS	190	240	1



VDE Electricians heavy duty side cutter

New wave profile for longer service life

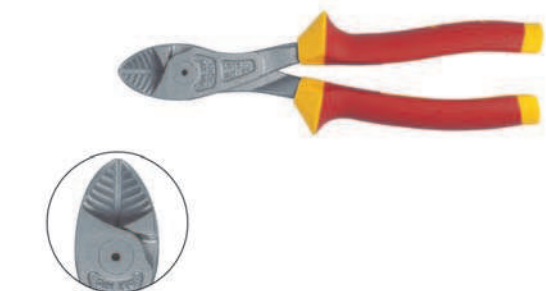
Suitable for:

- Piano wire up to Ø 2.5 mm

Characteristics

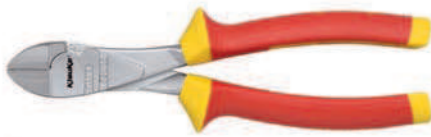
- Inductive hardened precision cutting edges for fine wires
- Ergonomically-shaped handle for improved power transmission
- 18° angled cutter head

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Electricians heavy duty side cutter	KL044200IS	200	280	1



Hand tools

VDE tools



■ VDE Heavy duty side cutters

- New wave profile for longer service life
- Increased force transmission through ergonomically formed shank

Suitable for:

- Hard wire, wire cable fibre, steel wire up to Ø 2.6 / 2.8 / 3.5 mm
- Piano wire, spring steel wire up to Ø 2.2 / 2.5 / > 3.0 mm
- Medium-hard wire up to Ø 3.7 / 4.0 / 4.5 mm

Characteristics

- High cutting performance on hard and soft wires

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Heavy duty side cutters	KL045180IS	180	285	1
VDE Heavy duty side cutters	KL045200IS	200	310	1
VDE Heavy duty side cutters	KL045240IS	240	420	1



■ VDE Telephone pliers, straight

- With combination spanner from 11 - 17 mm (M8 - M10)

Suitable for:

- Soft copper and aluminium wire, plastic up to Ø 2.5 mm
- Medium-hard wire, nails, wire nails up to Ø 3.2 mm
- Hard wire and steel wire up to Ø 2.2 mm

Characteristics

- With wire cutter for hard and soft wires
- Serrated jaws

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Telephone pliers, straight	KL050205IS	205	215	1



■ VDE Telephone pliers, bent

- With combination spanner from 11 - 17 mm (M8 - M10)

Suitable for:

- Soft copper and aluminium wire, plastic up to Ø 2.5 mm
- Medium-hard wire, nails, wire nails up to Ø 3.2 mm
- Hard wire and steel wire up to Ø 2.2 mm

Characteristics

- With wire cutter for hard and soft wires
- Serrated jaws
- 45° angled flat-round jaws

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Telephone pliers, bent	KL055205IS	205	215	1

■ VDE Wire stripper

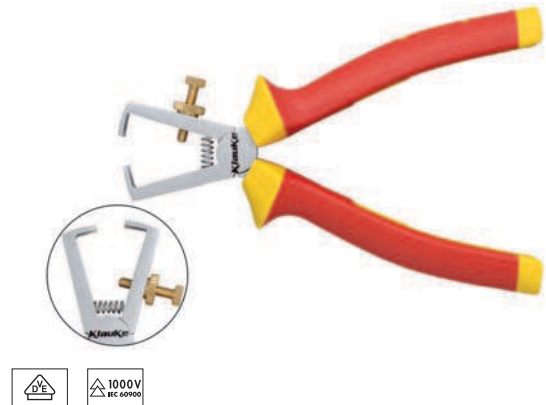
Suitable for:

- Cable - multiconductors, single core and stranded 10.0 mm²
- Cable - multiconductors, single core and stranded Ø 5.0 mm

Characteristics

- With adjustment screw

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Wire stripper	KL060160IS	160	185	1



■ Waterpump plier 1000 V

- Jaw width 50 mm
- Integrated hand protection

Characteristics

- Ratchet adjustment
- Box joint
- Teeth additionally inductive hardened

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Waterpump plier 1000 V	KL070250IS	250	385	1



■ Automatic wire stripper, 1000 V

Suitable for:

- Flexible and solid conductors from 0.2 - 6 mm²

Characteristics

- VDE-tested for safe working on live conductors up to 1000 V
- Adjustable length stop from 5 - 12 mm

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Wire stripper 1000 V	KL760180IS	215	127	1



Hand tools

VDE tools

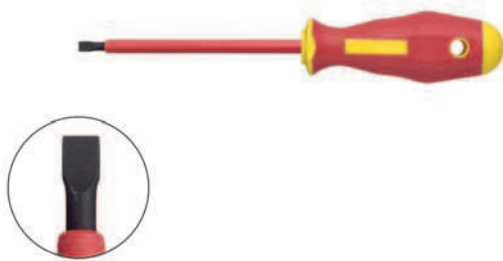
■ VDE Screwdrivers for Torx screws



Item	Part No.	Dimension	Blade length mm	weight g	pcs.
VDE-Torx-Screwdrivers	KL150TX10IS	100 x Tx 10	100	45	1
VDE-Torx-Screwdrivers	KL150TX15IS	100 x Tx 15	100	45	1
VDE-Torx-Screwdrivers	KL150TX20IS	100 x Tx 20	100	69	1
VDE-Torx-Screwdrivers	KL150TX25IS	100 x Tx 25	100	69	1
VDE-Torx-Screwdrivers	KL150TX30IS	100 x Tx 30	115	96	1



■ VDE Screwdriver for slotted screws



Item	Part No.	Dimensions mm	Blade length mm	weight g	pcs.
VDE Slotted screwdriver	KL1007525IS	75 x 2,5 x 0,4	75	22	1
VDE Slotted screwdriver	KL10010030IS	100 x 3,0 x 0,5	100	28	1
VDE Slotted screwdriver	KL10010035IS	100 x 3,5 x 0,6	100	30	1
VDE Slotted screwdriver	KL10010040IS	100 x 4,0 x 0,8	100	44	1
VDE Slotted screwdriver	KL10012555IS	125 x 5,5 x 1,0	125	70	1
VDE Slotted screwdriver	KL10015065IS	150 x 6,5 x 1,2	150	86	1
VDE Slotted screwdriver	KL10017580IS	175 x 8,0 x 1,2	175	135	1



■ VDE Screwdriver for cross-slotted screws (Phillips) PH1, PH2, PH3

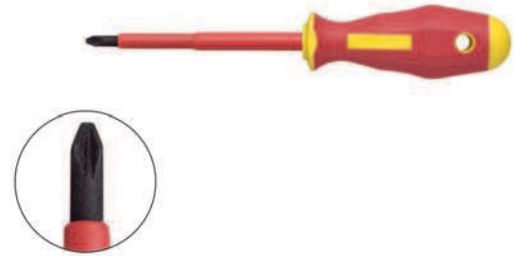


Item	Part No.	Dimension	Blade length mm	weight g	pcs.
VDE Cross slotted screwdriver Phillips PH	KL110PH1IS	80 x PH 1	80	52	1
VDE Cross slotted screwdriver Phillips PH	KL110PH2IS	100 x PH 2	100	80	1
VDE Cross slotted screwdriver Phillips PH	KL110PH3IS	150 x PH 3	150	145	1



■ VDE Screwdrivers for cross-slotted screws Pozidriv PZ1, PZ2, PZ3

Item	Part No.	Dimension	Blade length mm	weight g	pcs.
VDE Cross slotted screwdriver Pozidriv PZ	KL120PZ1IS	80 x PZ 1	80	49	1
VDE Cross slotted screwdriver Pozidriv PZ	KL120PZ2IS	100 x PZ 2	100	76	1
VDE Cross slotted screwdriver Pozidriv PZ	KL120PZ3IS	150 x PZ 3	150	140	1



■ VDE Screwdrivers for plus/minus screws Z1, Z2

■ Plus/Minus-Blade for switch gears

Item	Part No.	Dimension	Blade length mm	weight g	pcs.
VDE-Plus/minus screwdriver	KL130PM1IS	80 x Z1	80	52	1
VDE-Plus/minus screwdriver	KL130PM2IS	100 x Z2	100	80	1



■ VDE Screwdrivers for hexagon head screws

Item	Part No.	Dimensions mm	for thread	weight g	pcs.
VDE-Hexagon head screwdriver	KL14055IS	5,5	M3	73	1
VDE-Hexagon head screwdriver	KL14060IS	6	M3.5	74	1
VDE-Hexagon head screwdriver	KL14070IS	7	M4	106	1
VDE-Hexagon head screwdriver	KL14080IS	8	M5	109	1
VDE-Hexagon head screwdriver	KL140100IS	10	M6	137	1
VDE-Hexagon head screwdriver	KL140130IS	13	M8	155	1



Hand tools

VDE tools



■ Voltage tester with heavy duty handle, single-pole VDE 0680 150V - 250V

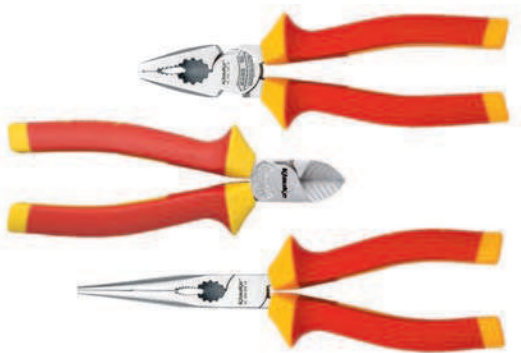
Suitable for:

- Slotted screws 3.0 x 0.8 mm
- For voltage detection

Characteristics

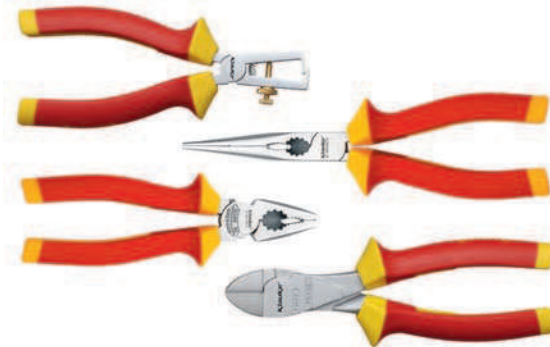
- Single-pole
- With heavy duty handle

Item	Part No.	Dimensions mm	Blade length mm	weight g	pcs.
Single-pole voltage tester	KL19073IS	3,0 x 0,8	73	30	1



■ VDE Plier set, 3-pce.

Item	Part No.	
VDE Plier set, 3-pce.	KL303IS	
Scope of supply	Part No.	Page
VDE Heavy-duty combination plier	KL020180IS	430
VDE Side cutters	KL040160IS	431
VDE Telephone pliers, straight	KL050205IS	432



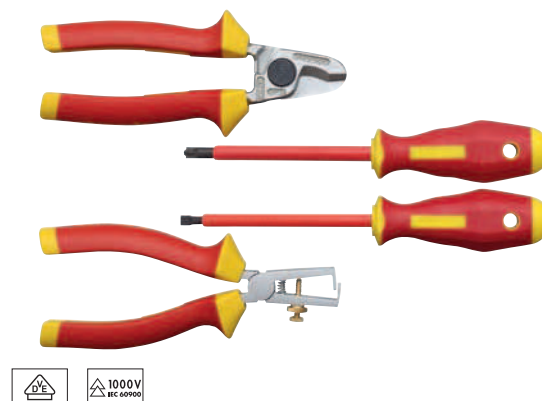
■ VDE Plier set, 4-pce.

Item	Part No.	
VDE Plier set, 4-pce.	KL304IS	
Scope of supply	Part No.	Page
VDE Heavy-duty combination plier	KL020180IS	430
VDE Side cutters	KL040160IS	431
VDE Telephone pliers, straight	KL050205IS	432
VDE Wire stripper	KL060160IS	433



■ Plier/screwdriver set, 4-pce.

Item		Part No.	
Plier/screwdriver set, 4-pce.		KL305IS	
Scope of supply		Part No.	Page
VDE Cable cutters		KL010160IS	430
VDE Wire stripper		KL060160IS	433
VDE Slotted screwdriver	⊖	KL10010035IS	434
VDE-Plus/minus screwdriver	⊕	KL130PM1IS	435



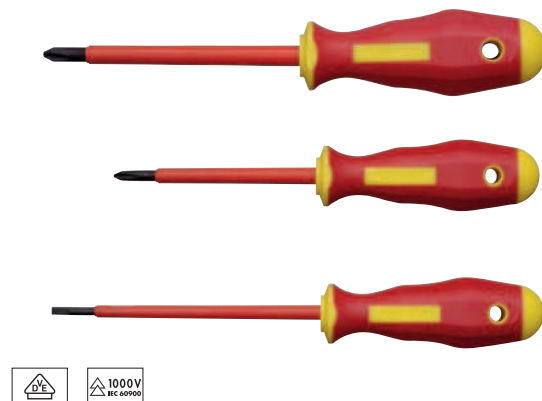
■ Plier/screwdriver set, 6-pce.

Item		Part No.	
Plier/screwdriver set, 6-pce.		KL306IS	
Scope of supply		Part No.	Page
VDE Telephone pliers, straight		KL050205IS	432
VDE Side cutters		KL040160IS	431
VDE Cross slotted screwdriver Phillips PH	⊕	KL110PH1IS	434
VDE Cross slotted screwdriver Phillips PH	⊕	KL110PH2IS	434
VDE Slotted screwdriver	⊖	KL1007525IS	434
VDE Slotted screwdriver	⊖	KL10010040IS	434



■ VDE Screwdriver set, 3-pce.

Item		Part No.	
VDE Screwdriver set, 3-pce.		KL391IS	
Scope of supply		Part No.	Page
VDE Cross slotted screwdriver Phillips PH	⊕	KL110PH1IS	434
VDE Cross slotted screwdriver Phillips PH	⊕	KL110PH2IS	434
VDE Slotted screwdriver	⊖	KL10010035IS	434



Hand tools

VDE tools



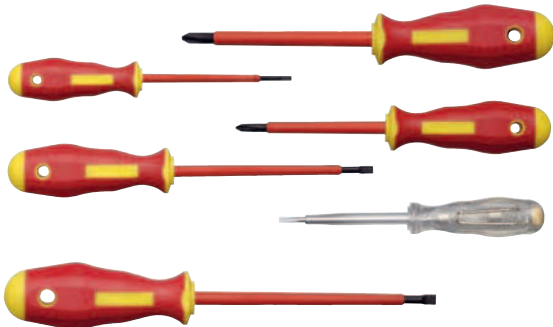
■ VDE Screwdriver set, 3-pce.

Item		Part No.	
VDE Screwdriver set, 3-pce.		KL392IS	
Scope of supply		Part No.	Page
VDE Cross slotted screwdriver Pozidriv PZ		KL120PZ1IS	435
VDE Cross slotted screwdriver Pozidriv PZ		KL120PZ2IS	435
VDE Slotted screwdriver		KL10010040IS	434



■ VDE Screwdriver set, 3-pce.

Item		Part No.	
VDE Screwdriver set, 3-pce.		KL393IS	
Scope of supply		Part No.	Page
VDE-Plus/minus screwdriver		KL130PM1IS	435
VDE-Plus/minus screwdriver		KL130PM2IS	435
Single-pole voltage tester		KL19073IS	436



■ VDE Screwdriver set, 6-pce.

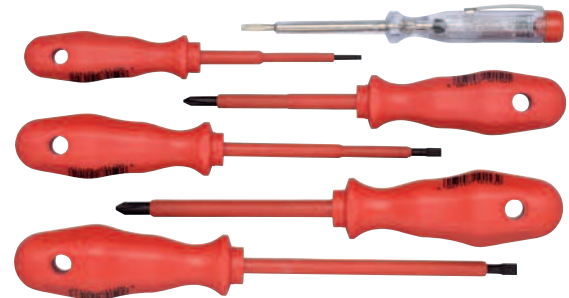
Item		Part No.	
VDE Screwdriver set, 6-pce.		KL390IS	
Scope of supply		Part No.	Page
VDE Cross slotted screwdriver Phillips PH		KL110PH1IS	434
VDE Cross slotted screwdriver Phillips PH		KL110PH2IS	434
VDE Slotted screwdriver		KL1007525IS	434
VDE Slotted screwdriver		KL10010040IS	434
VDE Slotted screwdriver		KL10012555IS	434
Single-pole voltage tester		KL19073IS	436

■ VDE Screwdriver set, 6-pce.

Characteristics

- Slotted screwdriver 75 x 2.5 / 100 x 4.0 mm / 125 x 5.5 mm
- Voltage testers
- Single component handle
- Screwdriver Philips PH1 + PH2

Item	Part No.
VDE Screwdriver set, 6-pce.	KL399IS



■ Klauke E-smart box 12-pce.

- 12 IEC Exchangeable blade set for all applications incl. contactless voltage tester

Characteristics

- Secure grip of blades in the handle by automatic locking to prevent unintentional withdrawall
- Snap-on rotating cap and soft coating zone for use as a precision tool
- Blades can be re-ordered individually
- Safety tools acc. to EN/IEC 60900 - all screwdrivers checked with 1,000V

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Klauke E-smart box	KL300IS		900	1
Scope of supply			Part No.	Page
Blade 2.5 x 0.4 mm			KLE300IS1	480
Blade 3.5 x 0.6 mm			KLE300IS3	480
Blade 4.0 x 0.8 mm			KLE300IS4	480
Blade 5.5 x 1.0 mm			KLE300IS5	480
Blade PH 1			KLE300IS6	480
Blade PH 2			KLE300IS7	480
Blade PZ 2			KLE300IS8	480
Blade TX 10			KLE300IS9	480
Blade TX 15			KLE300IS10	480
Blade plus/minus Z 1			KLE300IS13	480
Blade plus/minus Z 2			KLE300IS14	480
E-Smart Handle 93 x 32 mm			KLE300IS12	480



Hand tools

VDE tools



■ NH safety handle with guard

Suitable for:

- NH- fuses Size 00-3

Characteristics

- With non-slip protection and protective guard
- Designation: 1000 V
- Acc. to DIN VDE 0680/4
- Made from impregnated leather



Item	Part No.	weight g	Packing unit/pcs
NH safety handle with guard	KL600	470	1



■ Electrician's safety helmet

Characteristics

- acc. to DIN EN 397
- 440 V AC
- Designation: 1000 V
- Head size adjustable



Item	Part No.	weight g	Packing unit/pcs
Electrician's safety helmet	KL602GELB	370	1



■ Electricians face protection shield

Characteristics

- Acc. to VDE
- Designation 1000 V



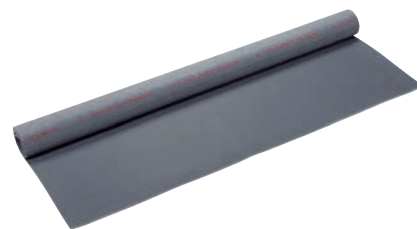
Item	Part No.	weight g	Packing unit/pcs
Electricians face protection shield	KL603	195	1

■ Insulating floor mat

Characteristics

- Safety mat for high voltage areas
- Tested acc. to DIN 0303, part 21
- Sure-footed
- Non-slip
- Safety mat for safe working with live parts in high voltage areas up to 1000 Volt

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Insulating floor mat	KL620S1000	1000x1000x4	5300	1



■ Rubber cover

Characteristics

- Designation: 1000 Volt
- Penetration resistant
- Tested acc. to DIN VDE 0680, part 1
- Insulating cover
- Test voltage: 5 kV/1 min.
- Upper and lower side flat

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Rubber cover	KL625A500	500x500x1,6	440	1
Rubber cover	KL625A1000	1000x1000x1,6	1900	1



■ Plastic clamp

- To fix rubber cover

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Plastic clamp	KL628	150	70	1



Hand tools

VDE tools

■ Safety gloves



Characteristics

- acc. to DIN EN 60903
- Size 09 / Size 10
- For working in voltage ranges up to 1000 Volt

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Safety gloves	KL60509	Size 09	250	1
Safety gloves	KL60510	Size 10	250	1



■ Cotton gloves (cotton)

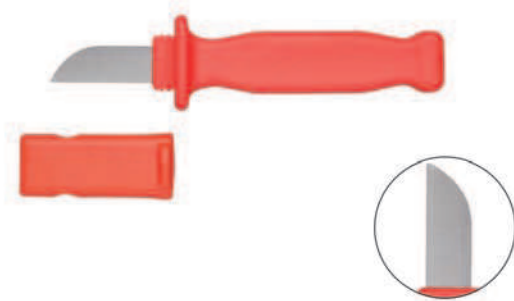


Suitable for:

- For use with safety gloves

Item	Part No.	weight g	Packing unit/pcs
Cotton gloves	KL605U	50	1

■ Cable knife, straight



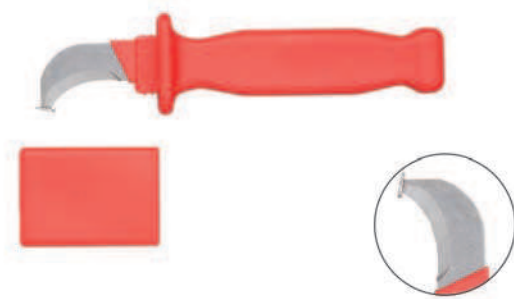
Characteristics

- Blade length: 50 mm
- With straight, strong blade and safety cap

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Cable knife, straight	KL640GK	200	105	1



■ Electricians knife



Characteristics

- Special blade tip to protect insulation of conductor
- Safety cap
- Blade length: 40 mm
- With hooked blade

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Electricians knife	KL642HK	190	100	1



■ Tweezers

Characteristics

- With 2-layers of protective insulation
- Non-slip protection
- Straight and pointed tips

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Tweezers	KL690130	130	30	1



■ Cleaning brush

- All plastic

Item	Part No.	weight g	Packing unit/pcs
Cleaning brush	KL698	75	1



■ Hexagonal wrench

Item	Part No.
Hexagonal wrench SW 5	K601
Hexagonal wrench SW 6	K602



■ Hexagonal wrench

Item	Part No.
Hexagonal wrench SW 5	K606
Hexagonal wrench SW 6	K607



■ Guide wedge

Item	Part No.
Guide wedge	K610



Hand tools

VDE tools



■ Torque wrench 20 Nm

Item	Part No.
Torque wrench 20 Nm	K615
Hexagonal bit SW 5	K6151
Hexagonal bit SW 6	K6152



■ VDE-Tool chest, 28-piece

Characteristics

- Hard-shell tool case, red
- Comprising 27-tools, partially VDE tested tools acc. to DIN EN 60900

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE-Tool chest, 28-piece	KL880B26IS	515x420x230	9800	1
Scope of supply			Part No.	Page
Waterpump plier 1000 V			KL070250IS	433
VDE Heavy-duty combination plier			KL020180IS	430
VDE Side cutters			KL040160IS	431
VDE Electricians heavy duty side cutter			KL044200IS	431
VDE Telephone pliers, straight			KL050205IS	432
VDE Wire stripper			KL060160IS	433
VDE Cable cutters			KL010160IS	430
VDE Slotted screwdriver		⊖	KL1007525IS	434
VDE Slotted screwdriver		⊖	KL10010035IS	434
VDE Slotted screwdriver		⊖	KL10010040IS	434
VDE Slotted screwdriver		⊖	KL10012555IS	434
VDE Cross slotted screwdriver Phillips PH		⊕	KL110PH1IS	434
VDE Cross slotted screwdriver Phillips PH		⊕	KL110PH2IS	434
VDE Cross slotted screwdriver Pozidriv PZ		⊕	KL120PZ1IS	435
VDE Cross slotted screwdriver Pozidriv PZ		⊕	KL120PZ2IS	435
VDE-Plus/minus screwdriver		⊕/⊖	KL130PM1IS	435
VDE-Plus/minus screwdriver		⊕/⊖	KL130PM2IS	435
Single-pole voltage tester		⊖	KL19073IS	436
Cable knife, straight			KL640GK	442
Rubber cover			KL625A1000	441
Plastic clamp			KL628	441
Safety gloves			KL60510	442
Cotton gloves			KL605U	442
Tweezers			KL690130	443
Cleaning brush			KL698	443
Control cabinet spirit level			KL420200	465
Wire stripper 1000 V			KL760180IS	433
Tool chest, empty			KL880L	444



■ Tool chest red, empty

- Red, hard-shell

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Tool chest, empty	KL880L	515x420x230	4400	1



Innovative. Functional.
And ergonomic.

Top quality tools made in Germany.

The Klauke tool range covers standard tools, safety tools, measuring and marking tools based on latest laser technology.



Pliers and VDE pliers have been granted with the IF Product Design Award.



Impact-resistant core throughout.

- Pliers, screwdrivers.
- Bits, holders and adapters.
- Basic tools, safety tools.
- Measuring and marking tools.



*Maximum integration:
Impact protection and marking field in the handles.*

■ Special handle for grip and cushion.

- ▶ Protection by safety cushion at the end of handle.
- ▶ Secure positioning thanks to **non-slip handle material**.
- ▶ Ergonomically-designed handles.

Benefits:

- ▶ The safety cushion protects the pliers from damage even when dropped.
- ▶ Pliers won't slip even when placed on inclines.
- ▶ Specially-designed handles for increased force. Efficiency is also improved.



■ The correct blade for every screw.



- ▶ Available in 8 different shapes.
- ▶ Ergonomically designed two-component handles.
- ▶ All screwdrivers are also available VDE approved.

Benefits:

- ▶ The Klauke range offers **a suitable screwdriver for every screw type**.
- ▶ The two-component handles developed specifically for Klauke tools, impress with pleasant haptic and outstanding torque transfer.

▶ More on
Page 454.



▶ More on Page 466.

■ Precise measuring – quickly and easy.

- ▶ Small and convenient.
- ▶ Simple operation.
- ▶ Illuminated display.

Benefits:

- ▶ Thanks to its compact dimensions the device fits into any pocket.
- ▶ Easy operation enables **precise and quick measuring** within a range of up to 100 m.
- ▶ The illuminated display allows values to be easily read off even in the dark.



Hand tools

Standard tools



■ Cable cutters

- New wave profile for longer service life

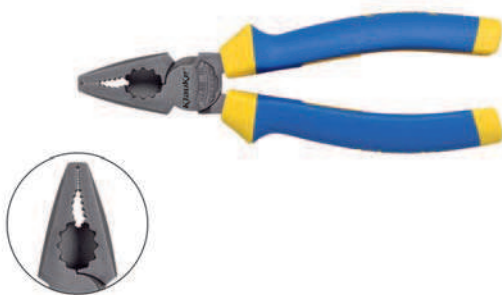
Suitable for:

- Stripping and cutting of copper and aluminium cables
- Cable cross-section up to 50 mm², cable up to Ø 16 mm (KL010160)
- Cable cross-section up to 70 mm², cable up to Ø 25 mm (KL010210)

Characteristics

- Adjustable joint

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Cable cutters	KL010160	160	250	1
Cable cutters	KL010210	210	335	1



■ Heavy-duty combination plier

- With combination spanner from 11 - 17 mm (M8 - M10)

Suitable for:

- Holds flat and round material
- Blades for hard and soft wires

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Heavy-duty combination plier	KL025165	165	200	1
Heavy-duty combination plier	KL025180	180	260	1
Heavy-duty combination plier	KL025205	205	285	1



■ Heavy-duty combination plier angled

- With combination spanner from 11 - 17 mm (M8 - M10)

Suitable for:

- Holds flat and round material
- Blades for hard and soft wires

Characteristics

- Angled head

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
VDE Heavy-duty combination plier angled	KL026205	180	285	1



■ Long flat nose plier

- Serrated jaws

Characteristics

- With long, flat jaws

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Long flat nose plier	KL030160	160	175	1

■ Long round nose plier

- Serrated jaws
- Anti-slip, rounded precision tips

Characteristics

- With long, round jaws

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Long round nose plier	KL035160	160	165	1



■ Side cutters

- New wave profile for longer service life

Suitable for:

- Soft copper and aluminium, plastic up to Ø 5.0 / 6.0 / 7.0 mm
- Hard wire, wire cable fibre, steel wire up to Ø 1.7 / 2.0 / 2.5 mm
- Cable - multiconductors, single core and stranded Ø 8 / 11 / 13 mm

Characteristics

- High cutting performance on hard and soft wires

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Side cutters	KL040145	145	160	1
Side cutters	KL040160	160	220	1
Side cutters	KL040180	180	255	1



■ Heavy duty side cutters

- New wave profile for longer service life
- Increased force transmission through ergonomically formed shank

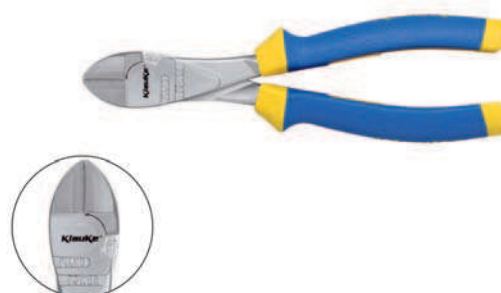
Suitable for:

- Hard wire and steel wire up to Ø 2.6 / 2.8 mm
- Piano wire up to Ø 2.2 / 2.5 mm
- Medium-hard wire up to Ø 3.7 / 4.0 mm

Characteristics

- High cutting performance on hard and soft wires

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Heavy duty side cutters	KL045180	180	280	1
Heavy duty side cutters	KL045200	200	310	1



Hand tools

Standard tools



■ Telephone pliers, straight

- With combination spanner from 11 - 17 mm (M8 - M10)

Suitable for:

- Soft copper and aluminium wire, plastic up to Ø 2.5 mm / > 2.5 mm
- Medium-hard wire, nails, wire nails up to Ø 1.6 / 3.2 mm
- Hard wire and steel wire up to Ø 2.2 mm (only KL050205)

Characteristics

- Straight, flat-round jaws
- With wire cutter for hard and soft wires

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Telephone pliers, straight	KL050170	170	165	1
Telephone pliers, straight	KL050205	205	215	1



■ Telephone pliers, bent

- With combination spanner from 11 - 17 mm (M8 - M10)

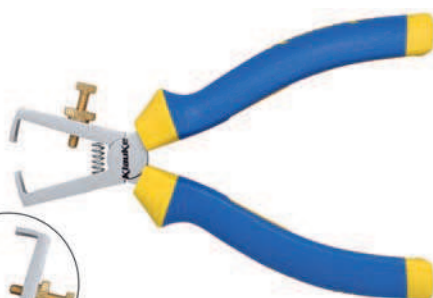
Suitable for:

- Soft copper and aluminium wire, plastic up to Ø 2.5 mm / > 2.5 mm
- Medium-hard wire, nails, wire nails up to Ø 1.6 / 3.2 mm (KL055205)

Characteristics

- Serrated jaws
- 45° angled flat-round jaws
- With wire cutter for hard and soft wires

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Telephone pliers, bent	KL055170	170	165	1
Telephone pliers, bent	KL055205	205	215	1



■ Wire stripper

Suitable for:

- Cable - multiconductors, single core and stranded up to 10.0 mm²
- Cable - multiconductors, single core and stranded Ø 5.0 mm
- With opening spring and V-shaped cutting edges

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Wire stripper	KL060160	160	185	1

■ Waterpump plier

- Jaw width 50 mm
- Integrated hand protection

Characteristics

- Ratchet adjustment
- Box joint
- Double serrated jaws
- Teeth additionally inductive hardened
- Plastic coated handles (KL070250G)
- 2-component handle (KL070250)

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Waterpump plier	KL070250G	250	355	1
Waterpump plier	KL070250	250	395	1



■ Waterpump plier

- Jaw width 35 mm
- Integrated hand protection

Characteristics

- Ratchet adjustment
- Box joint
- Double serrated jaws
- Plastic coated handles (KL072180G / KL072250G / KL072300G)
- 2-component handle (KL072250)

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Waterpump plier	KL072180G	180	190	1
Waterpump plier	KL072250G	250	300	1
Waterpump plier	KL072300G	300	530	1
Waterpump plier	KL072250	250	350	1



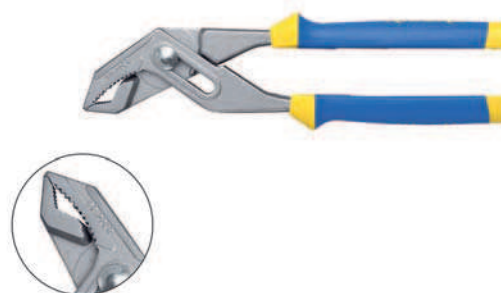
■ Waterpump plier, grooved

- Jaw width 50 mm
- Double grooved joint and safety stop

Characteristics

- Optimum pivot point - lower effort
- Plastic coated handles (Only KL075250G)
- Non-slip overlay due to matched elastomers
- 2-component handle (KL075250)

Item	Part No.	Dimension	Jaw width mm	weight g	Packing unit/pcs
Waterpump plier, grooved	KL075250G	250	45	390	1
Waterpump plier, grooved	KL075250	250	45	433	1



Hand tools

Standard tools



■ Basin wrench

- Large jaw opening adjustable from 0 - 53 mm
- Integrated hand protection

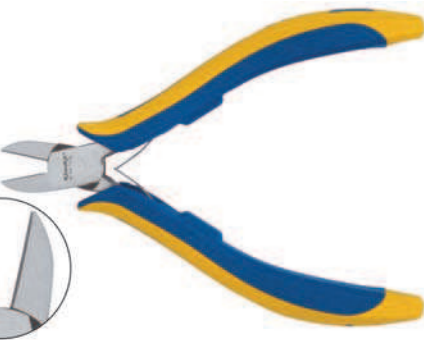
Suitable for:

- Smooth polished jaws

Characteristics

- Push-button adjustment
- Box joint
- Plastic coated handles

Item	Part No.	Dimension	Jaw width mm	weight g	Packing unit/ pcs
Basin wrench	KL078250G	250	53	375	1



■ Electronic side cutters, with facet

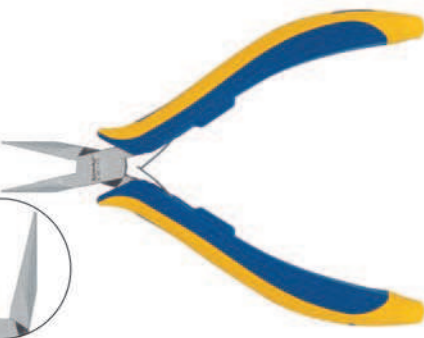
Characteristics

- ESD - electrical discharging
- with electrical discharging grips
- Precision plier for high precision work
- double leaf spring with low friction
- abduct of electrostatic energy
- Surface resistance amounts 1 to 100 MOhm

Note:

- Attention!
ESD grips do not protect against voltage.

Item	Part No.	Dimensions mm	weight g	Packing unit/ pcs
Electronic side cutters, with facet	KL040115EL	115	62	1
Electronic side cutters, without facet	KL040115ELW	115	60	1



■ Electronic chain nose plier

Suitable for:

- for gripping small items
- forming of wires

Characteristics

- ESD - electrical discharging
- with electrical discharging grips
- Smooth inside jaws, edges rounded
- with electrical discharging grips
- abduct of electrostatic energy
- Surface resistance amounts to 1 to 100 MOhm

Note:

- Attention!
ESD grips do not protect against voltage.

Item	Part No.	Dimensions mm	weight g	Packing unit/ pcs
Electronic chain nose plier	KL050115EL	115	64	1

■ Electronic side cutters, without wire trapping spring

- clearance angle 21°

Characteristics

- With opening spring
- Cutting edges additionally induction hardened
- 2-component handle
- for wires up to Ø 1.3 mm

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Electronic side cutters, without wire trapping spring	KL040128EL	128	64	1
Electronic side cutter, with wire trapping spring	KL040128ELH	128	66	1



■ Electronic assortment, 7-pieces

Characteristics

- Holder with exchangeable blades for slotted screws 1.5 to 4.0 mm
- Cross-slotted PH-screws PH000 to PH1
- Cross-slotted PZ-screws PZ0 to PZ1
- 2-component handle

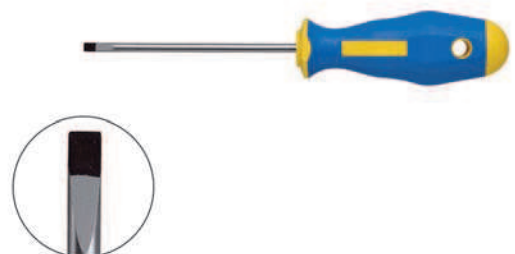
Item	Part No.	weight g	Packing unit/pcs
Electronic assortment, 7-pieces	KL350	161	1

Scope of supply		Part No.	Page
Blade 1.5 x 0.25 - 3.0 x 0.5 mm		KLE3501	497
Blade 2.0 x 0.4 - 3.5 x 0.6 mm		KLE3502	497
Blade 2.5 x 0.4 - 4.0 x 0.8 mm		KLE3503	497
Blade PH 000 - PH 00		KLE3504	497
Blade PH 0 - PH 1		KLE3505	497
Blade PZ 0 - PZ 1		KLE3506	497
Tool holder 95 x 14 mm		KLE3507	497



■ Slotted screwdrivers

Item	Part No.	Dimension	Blade length mm	weight g	pcs.
Slotted screwdrivers, 75 mm	KL1007525	2,5 x 0,4	75	26	1
Slotted screwdrivers, 80 mm	KL1008030	3,0 x 0,5	80	28	1
Slotted screwdrivers, 100 mm	KL10010035	3,5 x 0,6	100	32	1
Slotted screwdrivers, 100 mm	KL10010040	4,0 x 0,8	100	45	1
Slotted screwdrivers	KL10012555	5,5 x 1,0	125	71	1
Slotted screwdrivers	KL10015065	6,5 x 1,2	150	89	1
Slotted screwdrivers, 175 mm	KL10017580	8,0 x 1,2	175	129	1

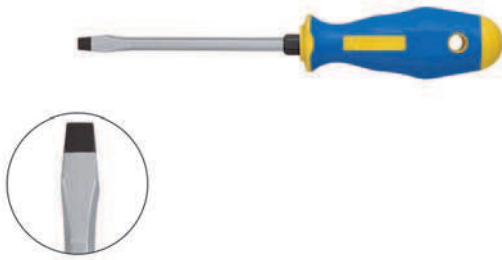


Hand tools

Standard tools

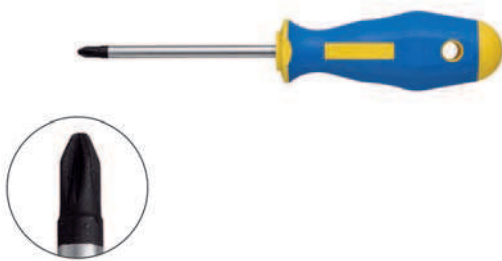
■ Workshop screwdriver for slotted screws

■ With hexagonal shank



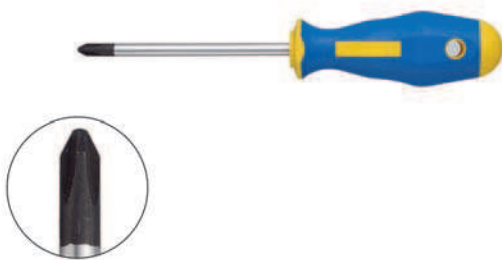
Item	Part No.	Dimensions mm	Blade length mm	weight g	pcs.
Workshop screwdriver, 100 mm	KL10510055	5,5 x 1,0	100	74	1
Workshop screwdriver, 125 mm	KL10512565	6,5 x 1,2	125	100	1
Workshop screwdriver, 150 mm	KL10515080	8,0 x 1,2	150	162	1

■ Cross slotted screwdriver PZ1, PZ2, PZ3



Item	Part No.	Dimension	Blade length mm	weight g	pcs.
Cross-slotted screws (Pozidriv) PZ	KL120PZ1	PZ 1	80	51	1
Cross-slotted screws (Pozidriv) PZ	KL120PZ2	PZ 2	100	79	1
Cross-slotted screws (Pozidriv) PZ	KL120PZ3	PZ 3	150	138	1

■ Cross slotted screwdriver PH1, PH2, PH3

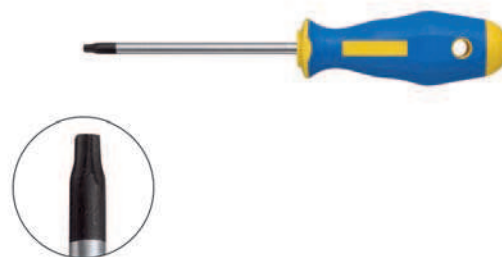


Item	Part No.	Dimension	Blade length mm	weight g	pcs.
Cross-slotted screws (Phillips) PH	KL110PH1	PH 1	80	51	1
Cross-slotted screws (Phillips) PH	KL110PH2	PH 2	100	79	1
Cross-slotted screws (Phillips) PH	KL110PH3	PH 3	150	138	1

■ Torx screwdrivers

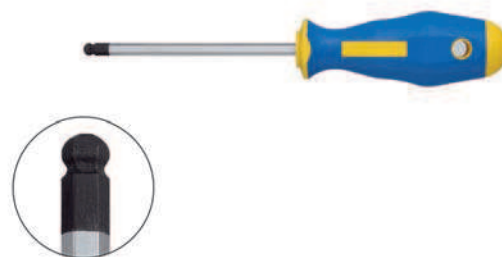
For Torx TR (Tamper Resistant)

Item	Part No.	Dimension	Blade length mm	weight g	pcs.
Torx screwdrivers	KL150TR10	Tx TR 10	100	46	1
Torx screwdrivers	KL150TR15	Tx TR 15	100	48	1
Torx screwdrivers	KL150TR20	Tx TR 20	100	69	1
Torx screwdrivers	KL150TR25	Tx TR 25	100	69	1
Torx screwdrivers	KL150TR30	Tx TR 30	115	97	1
Torx screwdrivers	KL150TR40	Tx TR 40	125	129	1



■ Screwdrivers, ball-point

Item	Part No.	Dimensions mm	Blade length mm	weight g	pcs.
Screwdrivers, ball-point	KL160KI3	3	100	29	1
Screwdrivers, ball-point	KL160KI4	4	100	49	1
Screwdrivers, ball-point	KL160KI5	5	100	76	1
Screwdrivers, ball-point	KL160KI6	6	125	91	1
Screwdrivers, ball-point	KL160KI8	8	150	152	1



■ Carburettor screwdriver

Item	Part No.	Dimensions mm	Blade length mm	weight g	pcs.
Carburettor screwdriver, slotted screws	KL1002555	5,5 x 1,0	25	35	1



Hand tools

Standard tools

■ Carburettor screwdriver



Item	Part No.	Dimension	Blade length mm	weight g	pcs.
Carburettor screwdriver, cross-slotted	KL11025PH1	PH 1	25	35	1



■ Screwdriver-Bits, 1/4" 73 mm

Characteristics

- Shank 1/4" (6.3) DIN3126
- Dimensions 0.6 x 3.5 mm



Item	Part No.	Dimensions mm	Blade length mm	weight g	Number Parts	Packing unit/ pcs
Bit for slotted screws	KL2007335	0,6x3,5	73	16	2	1
Bit for slotted screws	KL2007340	0,8x4,0	73	18	2	1
Bit for slotted screws	KL2007355	1,0x5,5	73	26	2	1
Bit for slotted screws	KL2007365	1,2x6,5	73	34	2	1



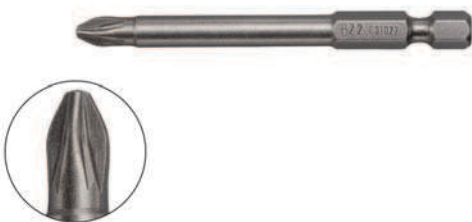
■ Screwdriver-Bits, 1/4" 73 mm

Suitable for:

- Cross-slotted PZ-screws (Pozidriv) PZ 1 + PZ 2

Characteristics

- Shank 1/4" (6.3) DIN3126



Item	Part No.	Dimension	Blade length mm	weight g	Number Parts	Packing unit/ pcs
Bit for cross-slotted screws (Pozidriv)	KL22073PZ1	PZ 1	73	22	2	1
Bit for cross-slotted screws (Pozidriv)	KL22073PZ2	PZ 2	73	30	2	1



■ Screwdriver-Bits, 1/4" 73 mm

Suitable for:

- Cross-slotted PH-screws (Phillips) PH 1 + PH 2

Characteristics

- Shank 1/4" (6.3) DIN3126

Item	Part No.	Dimension	Blade length mm	weight g	Number Parts	Packing unit/ pcs
Bit for cross-slotted screws (Phillips)	KL21073PH1	PH 1	73	22	2	1
Bit for cross-slotted screws (Phillips)	KL21073PH2	PH 2	73	30	2	1



■ Screwdriver-Bits, 1/4" 73 mm

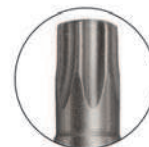
Suitable for:

- Torx screws

Characteristics

- Shank 1/4" (6.3) DIN3126

Item	Part No.	Dimension	Blade length mm	weight g	Number Parts	Packing unit/ pcs
Bit for Torx screws	KL25073TX10	TX 10	73	22	2	1
Bit for Torx screws	KL25073TX15	TX 15	73	22	2	1
Bit for Torx screws	KL25073TX20	TX 20	73	25	2	1
Bit for Torx screws	KL25073TX25	TX 25	73	25	2	1
Bit for Torx screws	KL25073TX27	TX 27	73	25	2	1
Bit for Torx screws	KL25073TX30	TX 30	73	30	2	1
Bit for Torx screws	KL25073TX40	TX 40	73	40	2	1



■ Screwdriver-Bits, 1/4" 73 mm

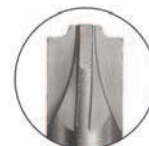
Suitable for:

- Plus/minus screws Z 1 + Z 2

Characteristics

- Shank 1/4" (6.3) DIN3126

Item	Part No.	Dimension	Blade length mm	weight g	Number Parts	Packing unit/ pcs
Bit for plus/minus screws	KL23073PM1	Z 1	73	20	2	1
Bit for plus/minus screws	KL23073PM2	Z 2	73	30	2	1



■ Magnetic holder for Screwdriver-Bits, 1/4" 58 mm

Characteristics

- Shank 1/4" (6.3) DIN3126
- Strong magnet

Item	Part No.	Dimensions mm	weight g	Packing unit/ pcs
Magnetic holder	KL290	58	32	1



Hand tools

Standard tools



■ Mechanical bit holder, 1/4" 52 mm

Characteristics

- Shank 1/4" (6.3) DIN3126
- With quick-change chuck

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Mechanical bit holder	KL291	52	30	1



■ Adapter 1/4" 50 mm

- Shank E 6.3 and 1/4" socket wrench

Suitable for:

- Drive for socket wrenches

Characteristics

- Shank 1/4" (6.3)

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Adapter 1/4"	KL295	50	15	1



■ Adapter 3/8" 50 mm

- Shank E 6.3 and 3/8" socket wrench

Suitable for:

- Drive for socket wrenches

Characteristics

- Shank 1/4" (6.3), shank 3/8" 10

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Adapter 3/8"	KL296	50	22	1

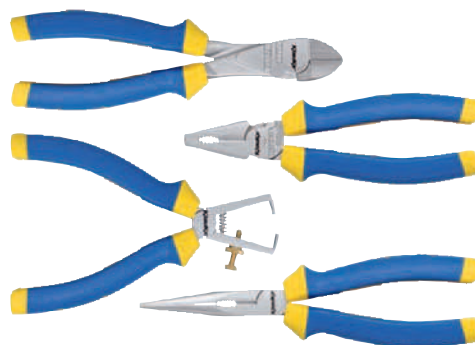
■ Plier set, 3-pieces

Item	Part No.	weight g	Packing unit/pcs
Plier set, 3-pieces	KL303	790	1
Scope of supply		Part No.	Page
Heavy-duty combination plier		KL025180	448
Side cutters		KL040160	449
Telephone pliers, straight		KL050205	450



■ Plier set, 4-pieces

Item	Part No.	weight g	Packing unit/pcs
Plier set, 4-pieces	KL304	1050	1
Scope of supply		Part No.	Page
Heavy-duty combination plier		KL025180	448
Side cutters		KL040160	449
Telephone pliers, straight		KL050205	450
Wire stripper		KL060160	450



■ Plier set, 3-pieces

Item	Part No.	weight g	Packing unit/pcs
Plier set, 3-pieces	KL310	1100	1
Scope of supply		Part No.	Page
Heavy-duty combination plier		KL025180	448
Heavy duty side cutters		KL045200	449
Waterpump plier		KL072250	451



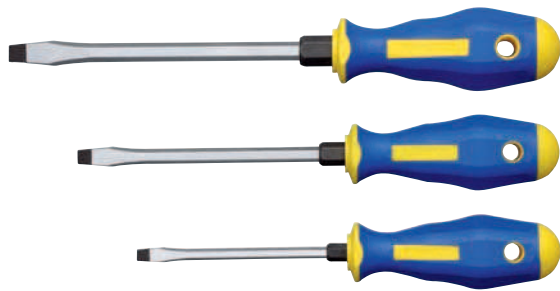
■ Plier set, 3-pieces

Item	Part No.	weight g	Packing unit/pcs
Plier set, 3-pieces	KL315	1000	1
Scope of supply		Part No.	Page
Basin wrench		KL078250G	452
Waterpump plier		KL072180G	451
Waterpump plier		KL072250G	451



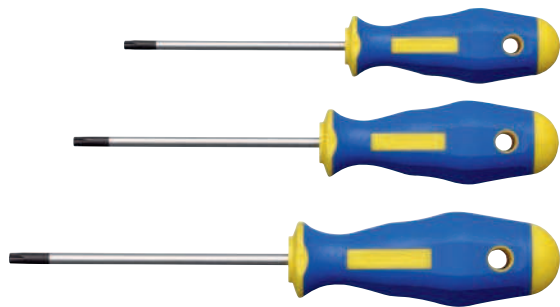
Hand tools

Standard tools



■ Screwdriver set, 3-pieces

Item	Part No.	weight g	Packing unit/pcs	
Screwdriver set, 3-pieces	KL380	425	1	
Scope of supply			Part No.	Page
Workshop screwdriver, 100 mm		⊖	KL10510055	454
Workshop screwdriver, 125 mm		⊖	KL10512565	454
Workshop screwdriver, 150 mm		⊖	KL10515080	454



■ Torx Screwdriver set, 3-pieces

Item	Part No.	weight g	Packing unit/pcs	
Torx Screwdriver set, 3-pieces	KL385	385	1	
Scope of supply			Part No.	Page
Torx screwdrivers		⊕	KL150TR15	455
Torx screwdrivers		⊕	KL150TR20	455
Torx screwdrivers		⊕	KL150TR25	455



■ Socket head bit set 1/4", 28-pieces

- 16 Bits: C 6.3 x 25mm / PH1 / PH2 / PZ1 / PZ2 / PZ3 / SW3 / SW4 / SW5 / SW6 / 3.5 x 0.6 / 5.5 x 0.8 / 6.5 x 1.2 / T15 / T20 / T25 / T30
- 1 Quick-change chuck
- 7 socket head spanners: 5 mm / 5,5 mm / 6 mm / 7 mm / 8 mm / 10 mm / 13 mm
- 1 Adapter 1/4"
- 1 Extension 1/4"
- 1 Extension for socket head spanner
- 1 ratchet

Item	Part No.	weight g	Number of parts	Pack- ing unit/ pcs
Socket head bit set 1/4", 28-pieces	KL360	1130	28	1
Scope of supply		Part No.		Page
16-piece Bit set C 6.3 1/4"		KLE3601		
7-piece Socket set 1/4"		KLE3602		
Adapter 1/4" x 25 mm		KLE3603		
Adapter 1/4" x 150 mm		KLE3604		
Extension 75 mm		KLE3605		
Ratchet 1/4" neutral		KLE3606		
1K Smart handle 105 x 39 mm		KLE3607		

■ Allen key set, 7-pieces

■ In practical holder

Characteristics

■ SW 2 / SW 2.5 / SW 3 / SW 4 / SW 5 / SW 6 / SW 8

Item	Part No.	Dimension	weight g	Number of parts	Pack- ing unit/ pcs
Allen key set	KL370	SW 2 - 8	171	7	1



■ Ball point allen key set, 9-pieces

■ In plastic holder

Characteristics

■ SW 1.5 / SW 2 / SW 2.5 / SW 3 / SW 4 / SW 5 / SW 6 / SW 8 / SW 10

Item	Part No.	Dimension	weight g	Number of parts	Pack- ing unit/ pcs
Allen key set, ball point	KL375	SW 1.5 - 10	273	9	1



■ Torque-wrench set, 14-pieces

0.6 - 1.5 NM

Suitable for:

■ Slotted, cross-slotted, Torx and plus/minus screws, Pozidriv

Characteristics

- Precise release when reaching the set torque
- In practical holder

Item	Part No.	weight g	Number of parts	Pack- ing unit/ pcs
Torque-wrench set, 14-pieces	KL38715	1048	14	1
Scope of supply		Part No.	Page	
NM blade TX 6 x 170 mm		KLE387151		
NM blade PH 0 x 170 mm		KLE3871510		
NM blade PZ 0 x 170 mm		KLE3871511		
NM blade magnetic 170 mm		KLE3871512		
NM handle 0.6 - 1.5 Nm		KLE3871513		
NM blade TX 7 x 170 mm		KLE387152		
NM blade TX 8 x 170 mm		KLE387153		
NM blade Tx IP 7 x 170 mm		KLE387155		
NM blade Tx IP 8 x 170 mm		KLE387156		
NM blade Tx IP 9 x 170 mm		KLE387157		
NM blade 3.0 x 0.5 x 170 mm		KLE387158		
NM blade 3.5 x 0.6 x 170 mm		KLE387159		
NM blade Z1 x 170 mm		KLE3883014		
Adjusting spanner		KLE3871514		



Hand tools

Standard tools



■ Torque wrench set, 14-pieces

1.5 - 3.0 Nm

Suitable for:

- Slotted, cross-slotted, Torx and plus/minus screws, Pozidriv

Characteristics

- Torque range from 1.5 - 3.0 Nm
- Easy torque adjustment
- Precise release when reaching the set torque
- Black tip for precision fit
- In practical holder

Item	Part No.	weight g	Number of parts	Pack- ing unit/ pcs
Torque wrench set, 14-pieces	KL38830	1066	14	1
Scope of supply		Part No.		Page
NM blade 4.0 x 0.8 x 170 mm	⊖	KLE388301		
NM blade Tx IP 10 x 170 mm	⊕	KLE3883010		
NM blade Tx IP 15 x 170 mm	⊕	KLE3883011		
NM blade magnetic 170 mm		KLE3883012		
NM handle		KLE3883013		
NM blade Z1 x 170 mm	⊕	KLE3883014		
NM blade 72 x 170 mm	⊕	KLE3883015		
NM blade PH 1 x 170 mm	⊕	KLE388302		
NM blade PH 2 x 170 mm	⊕	KLE388303		
NM blade PZ 1 x 170 mm	⊕	KLE388304		
NM blade PZ 2 x 170 mm	⊕	KLE388305		
NM blade TX 10 x 170 mm	⊕	KLE388307		
NM blade TX 15 x 170 mm	⊕	KLE388308		
Adjusting spanner		KLE3871514		

■ Torque wrench set, 14-pieces

3.0 - 5.4 Nm

- Exchangeable blades for greatest flexibility in all areas of use
- Easy torque adjustment
- Precise release when reaching the set torque
- Best performance, up to 100% above DIN values

Suitable for:

- Slotted, cross-slotted, Torx and plus/minus screws, Pozidriv

Characteristics

- Torque range from 3.0 - 5.4 Nm
- Easy torque adjustment
- Precise release when reaching the set torque
- Black tip for precision fit
- In practical holder



Item	Part No.	weight g	Number of parts	Pa- cking unit/ pcs
Torque wrench set, 14-pieces	KL38954	1066	14	1
Scope of supply		Part No.	Page	
NM blade 4.0 x 0.8 x 170 mm		KLE388301		
NM blade PH 1 x 170 mm		KLE388302		
NM blade PH 2 x 170 mm		KLE388303		
NM blade PZ 1 x 170 mm		KLE388304		
NM blade PZ 2 x 170 mm		KLE388305		
NM blade TX 15 x 170 mm		KLE388308		
NM blade TX 20 x 170 mm		KLE389541		
NM blade TX 25 x 170 mm		KLE389542		
NM blade Tx IP 10 x 170 mm		KLE3883010		
NM blade Tx IP 15 x 170 mm		KLE3883011		
NM blade magnetic 170 mm		KLE3883012		
NM handle		KLE3895413		
NM blade 72 x 170 mm		KLE3883015		
Adjustment tool		KLE387514		

■ Bit assortment, 6-piece, 1/4" x 73 mm

Characteristics

- KL330: 0.5 x 3 mm / 0.6 x 3.5 mm / 0.8 x 4 mm / 1.0 x 5.5 / PH 1 / PH 2
KL331: PZ1 / PZ2 / PZ3 / PH1 / PH2 / PH3
KL335: Tx10 / Tx15 / Tx20 / Tx25 / Tx30 / Tx40
- Shank 1/4" (6.3) DIN3126

Item	Part No.	Blade length mm	weight g	Number of parts	Pa- cking unit/ pcs
Bit set	KL330	73	120	6	1
Bit set	KL331	73	120	6	1
Torx bit set	KL335	73	120	6	1



Hand tools

Standard tools



■ Bit-Box-Swift, 7-piece, 1/4" 25 mm

Suitable for:

- KL340: 1.0 x 5.5 mm / 1.2 x 6.5 mm / PZ 1 / PZ 2 / PH 1 / PH 2
- KL345: Tx10 / Tx15 / Tx20 / Tx25 / Tx30 / Tx40

Characteristics

- Shank 1/4" (6.3) DIN3126
- Sizes: 1.0 x 5.5 mm / 1.2 x 6.5 mm / PZ 1 / PZ 2 / PH 1 / PH 2
- In practical holder
- Incl. magnetic holder

Item	Part No.	Blade length mm	weight g	Number of parts	Packing unit/ pcs
Bit box Swift	KL340	25	75	7	1
Torx bit box Swift	KL345	25	75	7	1

■ Combination spanner set, 12-pieces

Characteristics

- Width across flats SW 8/9/10/11/12/13/14/15/16/17/19/22 mm
- Material: Chromium-Vanadium
- Surface: chrome-plated



Item	Part No.	Dimensions mm	weight g	Packing unit/ pcs
Combination spanner set	KL365	SW 8 - 22	1055	1

■ Control cabinet spirit level, 200 mm

Characteristics

- Spirit level, torpedo type, horizontal, vertical and 45° levels

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Control cabinet spirit level	KL420200	200x42x17	65	1



■ Aluminium spirit level, 400 mm

Characteristics

- With vertical and horizontal levels

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Aluminium spirit level	KL425400	400 x 40 x 15	210	1
Aluminium spirit level	KL425600	600 x 40 x 15	305	1



■ Folding rule, 2 m

Characteristics

- White/yellow
- No. of links 10

Item	Part No.	weight g	Packing unit/pcs
Folding rule	KL402	126	1



■ Measuring tape, 3 m

Characteristics

- With 3 functions: Length, inside dimension and circles

Item	Part No.	weight g	Packing unit/pcs
Measuring tape	KL403	124	1



Hand tools

Standard tools



■ Leica hand laser meter Disto D2

- Measuring distances up to 60 m calculate distance and results using the world's smallest laser distance meter

Technical data	
Range (for longer distances, use target signal)	0.05 m to 60 m
Measuring accuracy	± 1.5 mm
Smallest display unit	1 mm
Laser class:	II
Laser type	635 nm, < 1 mW
Automatic stop	in 180 s
Display light	•
Continuous measurement	•
Addition/Subtraction	•
Indirect measurement using Pythagoras	•
Minimum and maximum measurement	•
Multifunctional end piece	•
Batteries	Type AAA 2x1.5 V
Dimension and weight	111 x 43 x 23 mm, 100 g
Temperature range:	
Storage	-25° C to +70° C
Operation	0° C to +40° C
Call-up last measurements	10

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Leica Hand laser meter Disto D2	KLHLMD2	111 x 43 x 23	100	1

■ Leica hand laser meter Disto D3

- Fast distance measuring up to 100 m also distance over obstacles and the exact determination of the angle

Technical data	
Measuring accuracy typical	± 1.0 mm
Range	0.05 to 100 m
Power Range Technology	•
Distance in m	10, 50, 100 m
Ø Laser point in mm	6, 30, 60 mm
Minimum and maximum measurement	•
Continuous measurement	•
Addition/Subtraction	•
Multiple unplug function	•
Indirect measurement using Pythagoras	•
Horizontal distance using incline sensor	•
Incline sensor	
Measuring range	± 45°
Accuracy for laser beam	± 0,3°
Accuracy for housing	± 0,3°
Units in the incline sensor	± 0,0°, 0,00%
Automatic release	•
Automatic display/keypad illumination	•
Measuring units	0.000 m, 0.000° m, 0.00 m, 0.00 ft, 0' 00" 1/32, 0.0 in, 0 1/32 in
Measurements per battery unit	up to 5,000
Multifunctional end piece	•
Tripod socket	•
Batteries	Type AAA 2x 1.5V
Splash water / dust proof IP 54	•
Dimensions	125 x 45 x 24 mm
Weight incl. batteries	110 g

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Leica hand laser meter Disto D3	KLHLMD3	45 x 125 x 24	110	1



Hand tools

Standard tools

■ Carpenter's pencil

Characteristics

- oval shape
- pointed



Item	Part No.	weight g	Packing unit/pcs
Carpenter's pencil	KL449	10	1

■ Marking pen

- Permanent marker Multimark
- Fine tip for 0.6 mm



Characteristics

- Black

Item	Part No.	weight g	Packing unit/pcs
Marking pen	KL440F	10	1

■ Chalk for chalk line

Characteristics

- 100 g bottle



Item	Part No.	weight g	Packing unit/pcs
Chalk for chalk line, red	KL451ROT	100	1
Chalk for chalk line, blue	KL451BLAU	100	1

■ Chalk line

Suitable for:

- The drawing of lines for cable installation

Characteristics

- Cord: 15 m



Item	Part No.	weight g	Packing unit/pcs
Chalk line	KL450	380	1

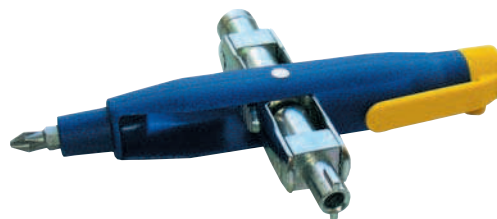
■ Universal cabinet key, subkey Electro

- Subkey "Elektro": for all standard control cabinet closures with double swivel lock

Characteristics

- Inner square 5, 6 and 7 - 8 mm
- Triangular 9 mm
- Double pin keys 3 - 5 mm
- Including 1/4" bit retainer
- with radiator valve key

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Universal cabinet key, subkey Electro	KL510	145	120	1

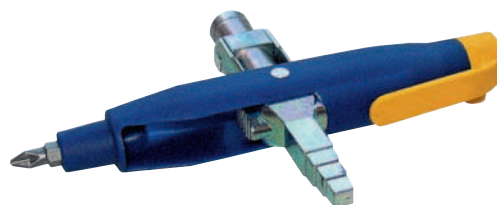


■ Universal cabinet key, subkey Shop

Characteristics

- With outside square 6 - 9 mm
- Triangular 8 mm
- Square socket 5 and 8 mm
- Including 1/4" bit retainer
- with radiator valve key

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Universal cabinet key, subkey Shop	KL515	150	125	1



■ Multi key

Characteristics

- With chain and adapter
- Square socket 7 - 8 mm
- Triangular 8 - 9 mm
- Double pin keys 3 - 5 mm
- Half-moon

Item	Part No.	weight g	Packing unit/pcs
Multi key	KL505	95	1

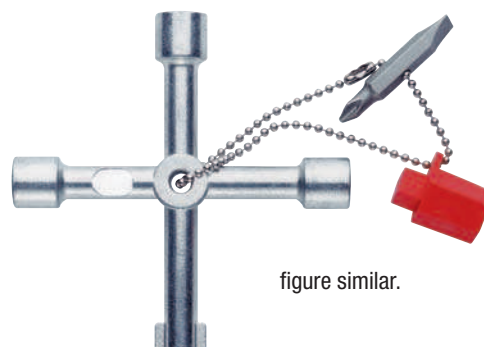
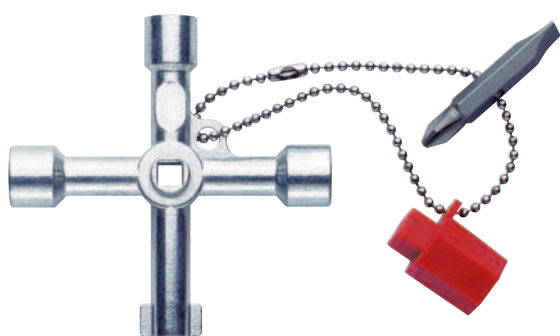


figure similar.



Hand tools

Standard tools



■ Control cabinet key

Characteristics

- With chain and adapter
- With square socket 5, 6 mm, 7 - 8 mm
- Triangular 7 - 8 mm
- Double pin keys 3 - 5 mm
- Slotted screws 1.0 - 7 mm
- Cross-slotted PH 2

Item	Part No.	weight g	Packing unit/pcs
Control cabinet key	KL500	75	1

■ Engineers hammer



- Steel-forged head
- Ground finish
- With protective nylon shroud

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Engineers hammer	KL580300	370	300	1
Engineers hammer	KL580500	610	500	1

■ Sledge hammer



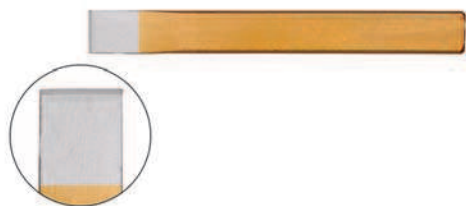
- Steel-forged head
- Ground finish
- With protective nylon shroud

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Sledge hammer, 1,000 g	KL5821000	1150	1000	1
Sledge hammer, 1,250 g	KL5821250	1400	1250	1

■ Jointing chisel

Characteristics

- Chromium-Vanadium steel, air-hardened
- Safety heads, annealed



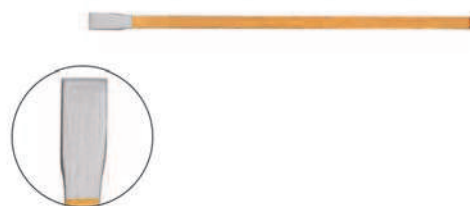
Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Jointing chisel	KL584230	230 x 26 x 7	250	1

■ Electricians chisel

Characteristics

- Chromium-Vanadium steel, air-hardened
- Safety heads, annealed

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Electricians chisel	KL585200	200	90	1
Electricians chisel	KL585250	250	120	1

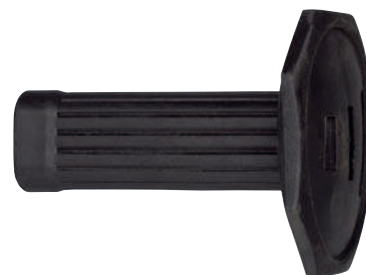


■ Safety handle for jointing chisel

Suitable for:

- Part KL584230

Item	Part No.	weight g	Packing unit/pcs
Safety handle for jointing chisel	KL586	110	1



■ Electricians knife

Characteristics

- Hinged, with plastic handle

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Electricians knife	KL540	80	115	1



■ Hand saw

Characteristics

- With fixed wooden handle

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Hand saw	KL559	290	95	1
Metal saw blades	KL550ES	150	2	12



Hand tools

Standard tools

■ Universal saw



Characteristics

- With fibreglass reinforced plastic handle

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Universal saw	KL550	250	170	1
Metal saw blades	KL550ES	150	2	12

■ Combination scissors



Suitable for:

- e.g. round or flat material from copper, aluminium, plastic, paper, cardboard, leather

Characteristics

- Serrated cutting edges
- With safety lock

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Combination scissors	KL545	190	100	1

■ Universal knife



Characteristics

- With adjustable and replaceable blades

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Universal knife	KL542		305	1
Spare blade	KL542ES	60x19x0,5	8	1

■ Cutter knife



Characteristics

- Knife with knock-off blades, all 9 mm

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Cutter knife	KL544	9	45	1
Spare blade	KL544ES		5	1

■ Safety goggles in nylon bag

Characteristics

- with replaceable lenses
- Simple and fast replacement
- Can be turned into sunglasses

Item	Part No.	weight g	Packing unit/pcs
Safety goggles in nylon bag	KL604	33	1
Sun protection lenses for KL604	KL604S	23	1



■ Tool chest, 21-piece

Characteristics

- Comprising 20-tools, partially VDE tested tools acc. to DIN EN 60900
- Hard-shell case, black

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Tool chest, 21-piece	KL800B21	485x405x236	7800	1
Scope of supply			Part No.	Page
Waterpump plier			KL072250G	451
VDE Heavy-duty combination plier			KL020180IS	430
VDE Side cutters			KL040160IS	431
VDE Telephone pliers, straight			KL050205IS	432
VDE Wire stripper			KL060160IS	433
Workshop screwdriver, 100 mm		⊗	KL10510055	454
Workshop screwdriver, 125 mm		⊗	KL10512565	454
VDE Slotted screwdriver		⊗	KL1007525IS	434
VDE Slotted screwdriver		⊗	KL10010040IS	434
VDE Slotted screwdriver		⊗	KL10012555IS	434
VDE Cross slotted screwdriver Phillips PH		⊕	KL110PH1IS	434
VDE Cross slotted screwdriver Phillips PH		⊕	KL110PH2IS	434
VDE-Plus/minus screwdriver		⊕⊖	KL130PM1IS	435
VDE-Plus/minus screwdriver		⊕⊖	KL130PM2IS	435
Single-pole voltage tester		⊗	KL19073IS	436
Engineers hammer			KL580500	470
Jointing chisel			KL584230	470
Electricians chisel			KL585250	471
Hand saw			KL559	471
Electricians knife			KL540	471
Folding rule			KL402	465
Carpenter's pencil			KL449	468
Tool chest, empty			KL800L	477



Hand tools

Standard tools



■ Tool chest, 20-piece

Characteristics

- Comprising 19-tools, partially VDE tested tools acc. to DIN EN 60900
- Hard-shell case, black

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Tool chest, 20-piece	KL810B20	505x410x200	8400	1
Scope of supply			Part No.	Page
Waterpump plier			KL072250G	451
VDE Heavy-duty combination plier			KL020180IS	430
VDE Heavy duty side cutters			KL045200IS	432
VDE Telephone pliers, straight			KL050205IS	432
VDE Slotted screwdriver		⊖	KL1007525IS	434
VDE Slotted screwdriver		⊖	KL10010040IS	434
VDE Slotted screwdriver		⊖	KL10012555IS	434
VDE Cross slotted screwdriver Phillips PH		⊕	KL110PH1IS	434
VDE Cross slotted screwdriver Phillips PH		⊕	KL110PH2IS	434
VDE Cross slotted screwdriver Pozidriv PZ		⊕	KL120PZ1IS	435
VDE Cross slotted screwdriver Pozidriv PZ		⊕	KL120PZ2IS	435
VDE-Plus/minus screwdriver		⊕	KL130PM1IS	435
VDE-Plus/minus screwdriver		⊕	KL130PM2IS	435
Single-pole voltage tester		⊖	KL19073IS	436
Measuring tape			KL403	465
Engineers hammer			KL580500	470
Universal saw			KL550	472
Cutter knife			KL544	472
Carpenter's pencil			KL449	468
Tool chest, empty			KL810L	477

■ Tool chest, 28-piece

Characteristics

- Comprising 27-tools, partially VDE tested tools acc. to DIN EN 60900
- Hard-shell case, black



Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Tool chest, 28-piece	KL820B28	515x420x230	9900	1
Scope of supply			Part No.	Page
Waterpump plier			KL072250G	451
VDE Heavy-duty combination plier			KL020180IS	430
VDE Electricians heavy duty side cutter			KL044200IS	431
VDE Telephone pliers, straight			KL050205IS	432
VDE Cable cutters			KL010160IS	430
Electronic side cutters, without wire trapping spring			KL040128EL	453
Workshop screwdriver, 100 mm		⊖	KL10510055	454
Workshop screwdriver, 125 mm		⊖	KL10512565	454
VDE Slotted screwdriver		⊖	KL1007525IS	434
VDE Slotted screwdriver		⊖	KL10010035IS	434
VDE Slotted screwdriver		⊖	KL10010040IS	434
VDE Slotted screwdriver		⊖	KL10012555IS	434
VDE Cross slotted screwdriver Phillips PH		⊕	KL110PH1IS	434
VDE Cross slotted screwdriver Phillips PH		⊕	KL110PH2IS	434
VDE Cross slotted screwdriver Pozidriv PZ		⊕	KL120PZ1IS	435
VDE Cross slotted screwdriver Pozidriv PZ		⊕	KL120PZ2IS	435
VDE-Plus/minus screwdriver		⊕	KL130PM1IS	435
VDE-Plus/minus screwdriver		⊕	KL130PM2IS	435
Single-pole voltage tester		⊖	KL19073IS	436
Allen key set, ball point			KL375	461
Control cabinet key			KL500	470
Measuring tape			KL403	465
Engineers hammer			KL580500	470
Universal saw			KL550	472
Cutter knife			KL544	472
Electricians knife			KL540	471
Carpenter's pencil			KL449	468
Control cabinet spirit level			KL420200	465
Tool chest, empty			KL820L	478

Hand tools

Standard tools



■ Professional roller trolley, 88-piece

■ 88- pcs. equipped with tools for the daily use

Characteristics

- With 4-section telescopic handle, up to 1050 mm
- Document compartment in lid
- Double aluminium frame
- Large rubber casters
- Case shell from non-breakable X-ABS
- loads up to 40 kg
- Hinges for case lid lock

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Professional roller trolley, 88-piece	KL890TB88	470x210x355	15500	1
Scope of supply			Part No.	Page
VDE Heavy-duty combination plier			KL020180IS	430
VDE Electricians heavy duty side cutter			KL044200IS	431
VDE Telephone pliers, straight			KL050205IS	432
VDE Wire stripper			KL060160IS	433
VDE Slotted screwdriver		⊖	KL1007525IS	434
VDE Slotted screwdriver		⊖	KL10010040IS	434
VDE Slotted screwdriver		⊖	KL10012555IS	434
VDE Cross slotted screwdriver Phillips PH		⊕	KL110PH1IS	434
VDE Cross slotted screwdriver Phillips PH		⊕	KL110PH2IS	434
VDE Cross slotted screwdriver Pozidriv PZ		⊕	KL120PZ1IS	435
VDE Cross slotted screwdriver Pozidriv PZ		⊕	KL120PZ2IS	435
Single-pole voltage tester		⊖	KL19073IS	436
VDE-Plus/minus screwdriver		⊕	KL130PM1IS	435
VDE-Plus/minus screwdriver		⊕	KL130PM2IS	435
VDE Cable cutters			KL010210IS	430
Waterpump plier			KL070250	451
Bit set			KL330	463
Combination spanner set			KL365	464
Socket head bit set 1/4", 28-pieces			KL360	460
Universal cabinet key, subkey Electro			KL510	469
Universal saw			KL550	472
Mechanical crimping tool for interchangeable dies			K507	244
Folding rule			KL402	465
Carpenter's pencil			KL449	468
Allen key set			KL370	461
Engineers hammer			KL580300	470
Safety goggles in nylon bag			KL604	473
Marking pen			KL440F	468
GT-85E bipolar voltage tester with LCD display			52049407	584
Professional roller trolley			KL890TL	478
NETcat® Micro + 200EP			NC100EP	637
CSJ-100 jaw meter, open			52020887	617

■ Engineers professional case, 15-piece

■ Engineers basic equipment, partially with VDE tools

Characteristics

- Material: Polytex
- Adjustable carrying belt with shoulder strap
- two large side pockets
- 2 large 90° folding side compartments
- Front side compartment: DIN A4 document sleeve, 17 slots for tools and measuring instruments, 1 small part pocket
- Rear side compartment: 4 large slots, 28 elastic straps, separate main compartment for laptop 17", additionally split by removable centre panel



Item	Part No.	weight g	Packing unit/pcs
Engineers professional case	KL900B15	4300	1
Scope of supply		Part No.	Page
VDE Screwdriver set, 6-pce.		KL390IS	438
VDE-Plus/minus screwdriver		KL130PM1IS	435
VDE-Plus/minus screwdriver		KL130PM2IS	435
Electricians knife with hooked blade		KL745HK	487
Round cable stripper		KL710	487
VDE Electricians heavy duty side cutter		KL044200IS	431
VDE Telephone pliers, straight		KL050205IS	432
VDE Heavy-duty combination plier		KL020165IS	430
Measuring tape		KL403	465
Engineers combination bag		KL900L	478

■ Tool chest, empty

Characteristics

- Black, hard-shell

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Tool chest, empty	KL800L	485x405x235	3750	1



■ Tool chest, empty

Characteristics

- Black, hard-shell

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Tool chest, empty	KL810L	505x410x200	4100	1



Hand tools

Standard tools



■ Tool chest, empty

Characteristics

- Black, hard-shell

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Tool chest, empty	KL820L	515x420x230	4400	1



■ Professional roller trolley, empty

Characteristics

- With 4-section telescopic handle, up to 1050 mm
- Document compartment in lid
- Double aluminium frame
- Large rubber casters
- Case shell from non-breakable X-ABS
- 2 compartments for business cards
- Two straps for writing instruments

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Professional roller trolley	KL890TL	470x210x355	6600	1



■ Nylon tool holder, empty

Characteristics

- Material: Polytex
- Accepts up to 11 tools

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Nylon tool holder, empty	KL910L	200x200x50	100	1



■ Engineers combination bag

For laptop and tools

Characteristics

- Material: Polytex
- Adjustable carrying belt with shoulder strap
- two large side pockets
- 2 large 90° folding side compartments
- Front side compartment: DIN A4 document sleeve, 17 slots for tools and measuring instruments, 1 small part pocket
- Rear side compartment: 4 large slots, 28 elastic straps, separate main compartment for laptop 17", additionally split by removable centre panel

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Engineers combination bag	KL900L	330x440x200	2600	1

■ Profi-installer's pocket

Characteristics

- Upper rotating metal rods, with sponge rubber-handle
- Completely covered bag
- With grip recess
- Adjustable carrying belt with shoulder pad
- Robust plastic tracks
- Outdoor connections: 1 large lockable label pocket with 2 accessory boxes, 9 pockets, 2 Velcro® for fix spirit level etc. Indoor connections: 3 compartments, 14 straps

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Profi-installer's pocket	KL920L	350 x 200 x 200	2600	1





Insulation easily stripped.

Stripping tools for professional use.

Thousands of conductors are stripped every day. Mostly using professional tools. But also often in a hurry using a sharp blade. A standard action for many craftsmen but with potential serious consequences for electrical connections: Conductors and insulation are damaged or specified stripping lengths are not respected – the connections no longer meet requirements.

The use of professional stripping tools prevent such mistakes. Procedures can be standardised. The quality of connections remains consistent. Klauke stripping tools are designed for professional use and are characterized by their extremely long durability.



Standardised stripping ...

- **Automatic wire stripping tools.**
- **For stripping ranges from 0.02 mm² to 25 mm².**
- **Also one-hand operation for larger cross sections.**



... by simple adjustment of the tools.

■ Ergonomically-designed handle and **interchangeable blade cassettes: K 432.**



▶ **Ergonomically-designed rubber-coated handles.**

- ▶ Made from reinforced fibre glass special plastic.
- ▶ Automatic adjustment of the cable cross-section.
- ▶ Interchangeable blade cassettes for flexible and solid conductors and also for PVC and PTFE insulation.

Your benefits:

- ▶ The ergonomically-designed rubber coated handles guarantee comfortable user-friendly operation.
- ▶ The reinforced fibre glass special plastic increases durability.
- ▶ High flexibility with interchangeable blade cassettes.

■ **KL 765 PV: Solar cables easily processed.**

- ▶ For stripping all standard flexible cables from 1.5 to 6.0 mm² in the solar technology.
- ▶ 5-fold adjustable fine setting.
- ▶ With integrated side cutter.

Your benefits:

- ▶ **Just with one tool nearly all solar technology cables can be processed.**
- ▶ Simple stripping – even with multi-layer insulation.
- ▶ Cables up to Ø 3.0 mm



■ **Stripping V-shapes** with KL 760180.



- ▶ For flexible and solid conductors from 0.2 mm² to 6 mm².
- ▶ Adjustable length stop from 5 mm to 12 mm.

Your benefits:

- ▶ **The V-shaped blade enables precise stripping of flexible conductors.**
- ▶ The required stripping length can be set precisely – also to individual requirements.
- ▶ Type for working under live voltage: KL 760180IS.

Hand tools

Wire stripping tools

■ **K43/2 Automatic stripping tool**Stripping range 0.02 - 10 mm²

- Self-regulating cutting and stripping tool for standard cable and conductor

Characteristics

- Easily replaceable blade system
- Precise adjustability for stripping of thin insulations without damaging the conductor
- Integrated side cutter

Item	Part No.	Stripping range mm ²	weight g	Packing unit/pcs
Automatic wire stripping tool	K432	0.02 - 10	140	1

Accessories	Part No.	Page
Interchangeable die black for wire stripper K432 0.02 - 10 mm ²	K432E	
Interchangeable die set red for wire stripper K432 For PTFE-insulated conductors 0.02 - 4 mm ²	K432E2	
Interchangeable die set blue for wire stripper K432 up to 16 mm ²	K432E3	

■ **K 44 Automatic wire stripper**Stripping range 1 - 25 mm²

- Automatic wire stripping tool with adjustable stop

Characteristics

- Stripping length up to 22 mm

Item	Part No.	Stripping range mm ²	weight g	Packing unit/pcs
Automatic wire stripping tool with adjustable stop	K44	1-25	680	1

■ **Wire stripper**

- For all standard flexible and solid conductors from 0.2 - 6 mm²

Characteristics

- Adjustable length stop from 5 - 12 mm
- Integrated easy to reach side cutter up to max. 2 mm Ø

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Wire stripper	KL760180	180	130	1

■ Wire stripper

- All standard round and flat cables
- Fine adjustment (5-way) on various cable types and cable diameters

Suitable for:

- Flat cable: baring and stripping 2 or 3-core PVC-insulated flat cables from 0.75 - 4 mm²
- Round cable: Baring and stripping flexible cables in the range of 0.5 - 16 mm² (20-6 AWG), solid conductors 0.5 - 10 mm² (20-8 AWG)

Characteristics

- Optical length dimension 8-24 mm (5/16-1 inch)
- Integrated side cutter to max. 3 mm Ø

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Wire stripper	KL765FR215	180	205	1



■ Automatic wire stripper for all standard round cables used in the solar technology sector

Suitable for:

- Baring and stripping of all standard, flexible cables from 1.5 mm² - 6.0 mm² (15-9 AWG) in the solar technology sector.

Characteristics

- 5-fold adjustable fine setting
- Integrated side cutter to max. 3 mm Ø
- Optical linear measure 8 - 24 mm, 5/16 - 1 inch.

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Automatic wire stripper for photovoltaic	KL765PV	180	205	1



Quick and easy wire stripping.

Stripping tools for round, moisture-proof and coaxial cables.

Round, moisture-proof and coaxial cables often get stripped using knives. Certainly a quick way but is it also an effective one? The insulation of the individual wires can get damaged. The risk of injury is high. And in terms of precision the cuts are anything but exemplary.

Klauke's special stripping tools eliminate these problems. You can strip a cable in just one action. Very fast. Very simple. And very safe.



Stripping and splitting in one operation.

- Stripping tools for round and moisture-proof cables.
- Wire stripper for coaxial cables.
- Up to Ø 40 mm.





■ *K 400: for cables up to Ø 40 mm.*

- ▶ **Interchangeable hooks** for diameters from 6 mm to 25 mm and 20 mm to 40 mm.
- ▶ Blade always rebounds to its original position.
- ▶ Also suitable for window cuts.

Your benefits:

- ▶ High flexibility due to a broad range of cable diameters.
- ▶ No damage to cutting blade high durability.
- ▶ Time saving as window cuts for tap conductors can be made quickly and precisely.

■ *Stepless for Ø from 4 mm to 28 mm: KL 745 HK.*

- ▶ Stepless adjustment of cutting depth.
- ▶ For all standard round cables from Ø 4 mm to 28 mm.
- ▶ Removable reducing adapter of extremely wear-resistant plastic.
- ▶ With hook blade and spare blade in the handle shell.

Your benefits:

- ▶ No damage to the inner conductors.
- ▶ One tool **for virtually all standard cables** in building installation and in switch board construction.



■ *Short and flush wire stripping: KL 710*

- ▶ For round and moisture-proof cables from Ø 8 mm to 13 mm.
- ▶ For flush stripping even **in tight areas**.
- ▶ No need to adjust cutting depth.

Your benefits:

- ▶ One tool allows fast, flush stripping of a wide range of cables in ceilings or walls and also in junction or distribution boxes and switch cabinets.



Hand tools

Stripping tools



■ Professional stripping tool for stripping profile K 400

Cable Stripper with exchangeable hooks
Width of 4.5 - 40 mm

Characteristics

- Max. cutting depth: 4.5 mm
- Max. stripping diameter: 21 mm (small hook)
- Max. stripping diameter: 40 mm (large hook)

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Cable Stripper with exchangeable hooks	K400	200 x 93 x 33	120	1



■ Electricians knife without blade

Characteristics

- Every cable knife contains a spare blade inside the handle.
- Precise, fast and safe baring of all standard round cables
- No damage to inner conductor due to stepless adjustment of cutting depth

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Electricians knife without blade	KL740416	4 - 16	70	1
Electricians knife without blade	KL740828	8 - 28	70	1



■ Electricians knife with straight blade

- Precise, fast and safe stripping of all standard round cables from 4 - 28 mm Ø

Characteristics

- Every cable knife contains a spare blade inside the handle
- Including protective cover for the blade
- Removable reducing adapter made from extremely abrasion-resistant plastic (POM)
- No damage to inner conductor due to stepless adjustment of cutting depth

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Electricians knife with straight blade	KL745GK	4 - 28	80	1

■ Electricians knife with hooked blade

- Precise, fast and safe stripping of all standard round cables from 4 - 28 mm Ø

Characteristics

- Every cable knife contains a spare blade inside the handle
- Including protective cover for the blade
- Removable reducing adapter made from extremely abrasion-resistant plastic (POM)
- No damage to inner conductor due to stepless adjustment of cutting depth

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Electricians knife with hooked blade	KL745HK	4 - 28	80	1
Spare blades	KL749ES		2	1



■ Round cable stripper

- For Round and continental type cables from 8 -13 mm Ø (e.g. NYM 3 x 1.5 mm² till 5 x 2.5 mm²)
- Flush stripping even in hard-to-reach areas, e.g. ceiling and walls, junction and distribution boxes, switch cabinets etc.

Characteristics

- Non-slip and safe working due to ergonomic handle
- No need to adjust the cutting depth

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Round cable stripper	KL710	8 - 13	43	1



■ Multi stripper

Characteristics

- Universal stripping tool for the following functions:
- Round cut
- Longitudinal cut
- Stripping
- cutting

Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Multi stripper	KL730	8 - 13	77	1



Hand tools

Stripping tools

■ Photovoltaic-Stepper

- In pocket size for all standard PV-Cable up to 8.5 mm
- Replaceable blade system

Characteristics

- Knife protected
- Easy handling



Item	Part No.	Dimensions mm	weight g	Packing unit/pcs
Photovoltaic-Stepper	KL735PV	8.5	40	1



Professional processing of coax and twisted-pair cables.

Tools for communication technology.

Our range offers quality professional tools for preparing coaxial cables and data lines. Procedures can be standardised. The quality of connections or joints is improved faults are prevented and complaints are being omitted.

The tools come either individually for retrofitting or in complete sets. Everything you need for dressing coaxial cables and data lines is at hand with just one grip.



- Wire cutters for cross-sections up to 10 mm².
- Stripping tools for two and three-stage stripping.
- Crimping tool for BNC, F and F compression plugs.



*Quick and easy
cable dressing
with Greenlee
professional tools.*



■ Kwik-Stripper Coax UTP/STP wire stripping tool

Kwik Stripper with CATV and UTP/STP holder

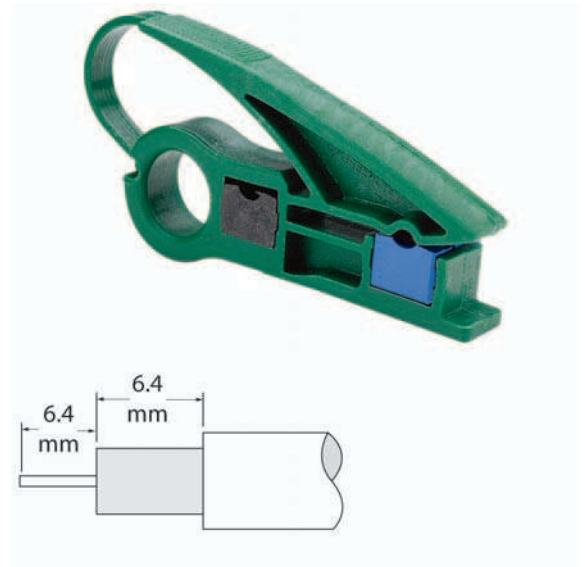
■ Interchangeable knife holders

Characteristics

- RG6/RG59 holder for stripping cable sheath to 6.4 mm and insulator to 6.4 mm
- The UTP/STP holder strips 4-pair UTP/STP cables without damaging the individual conductors
- Spare holder integrated into tool
- Extra large finger opening
- Colour-coded holder, blue for UTP/STP and black for coaxial cable
- Prepared stops eliminate the need for additional measuring and calibration

Item	Part No.
Kwik-Stripper Coax UTP/STP wire stripping tool	50456776

Accessories	Part No.	Page
Spare holder UTP/STP	50456679	594
Spare cassette RG6 & RG59	50455800	594
Spare cassette RG7 & RG11	50455818	594



■ Coax stripper

■ No need to adjust the cutting depth

Suitable for:

- Flexible cables, e.g. 3 x 0.75 mm², 10 mm² and 16 mm²

Characteristics

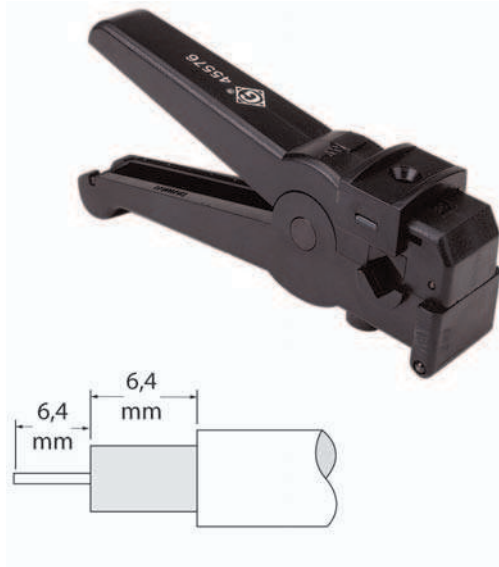
- Step-by-step stripping of all standard coaxial cables (e.g. antenna and transmission cables) from 4.8 - 7.5 mm external diameter

Item	Part No.
Coax stripper	KL720



Hand tools

Stripping tools



■ Kwik Stripper Coax wire stripping tool - 2 stage

- Preset for 3 different cable types

Characteristics

- Removes braiding and insulator to 6.4 mm
- Dresses coaxial cable types RG58, RG59, RG62 and RG6 and many more
- Blade adjustable to cutting depth
- Quick and simple interchangeable blade holder
- Frame takes only 2-stage holders

Item	Part No.
Kwik Stripper™ Coax wire stripping tool - 2 stage	50455761

Accessories	Part No.	Page
Spare holder - 2 stage	50450409	



■ Kwik Stripper Coax wire stripping tool - 3 stage

- Preset for 3 different cable types

Characteristics

- Dresses coaxial cable types RG58, RG59, RG62 and RG6 and many more
- Blade adjustable to cutting depth
- Quick and simple interchangeable blade holder
- The frame takes both 2 and 3 stage holders

Item	Part No.
Kwik Stripper™ Coax wire stripping tool - 3 stage	50455770

Accessories	Part No.	Page
Spare holder - 3 stage	50450395	
Spare holder - 2 stage	50450409	

■ Crimping tool for XFC F-type compression plug

Special crimping tool for weather-resistant F-type compression plug

Characteristics

- Ergonomic handles
- Adjustable to all makes of compression plug
- Dual protection with external sleeve and internal O-ring
- Sleeves colour-coded for simple identification
- Simple processing with practically all compression tools
- Less effort than traditional hex-crimping

Item	Part No.
Crimping tool for XFC F-type compression plug	50608073



Accessories	Part No.	Page
XFC plug for RG6, 50 piece, black	50125869	493
XFC plug for RG6, four-way screen, 50 piece, blue	50125907	493
XFC plug for RG59, 50 piece, red	50125940	493

■ Wire stripping tool DN-AW2

Special peeling and stripping tool for data, control and communication conductors

Suitable for:

- Stripping: 0.25 - 0.8 mm diameter

Characteristics

- 6 presetable diameters 0.25 mm; 0.3 mm; 0.4 mm; 0.5 mm; 0.6 mm; 0.8 mm
- Integrated cable cutter and length stop

Item	Part No.
Wire stripping tool DN-AW2	DNAW2



Hand tools

Stripping tools



■ Wire stripping tool DN-AW3

Precision wire stripping tool for peeling signal, telephone, AV, control and data transmission cables made from copper and optical fibre

■ 9 adjustable cutting depths

Characteristics

- Cable capacity: 2.5 - 11 mm diameter
- Insulation thickness: up to 1 mm
- Interchangeable blade holder
- Incl. a holder with spare blade

Item	Part No.
Wire stripping tool DN-AW3	DNAW3

Accessories	Part No.	Page
Spare holder for DN-AW3	DNAW3M	494



■ Ratchet crimping tool for telephone lines

■ Integrated cutting and stripping tool for ribbon cable

Suitable for:

- Modular connectors of type RJ10 4P4C, RJ11 6P4C, RJ12 6P6C and RJ45 8P8C

Characteristics

- The full radius ratchet mechanism permits consistent terminations with each operation
- Straight access guarantees consistent crimp connection
- Ergonomic handle for easy operation

Item	Part No.
Ratchet crimping tool for telephone lines	50455753







Holemaking tools

■ Round and special shape punches	498
Standard punch systems	500
Slug Buster® slug splitting punches	502
SLUG-SPLITTER® Punches (stainless steel)	503
Special shape punches	506
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Mechanical and hydraulic punching tools	520
Knockout punch sets	527
■ Hole saws	536
HSS bi-metal hole saws	538
carbide tipped hole saws	543
■ Bits and step bits	548



Die-free
after every punching operation!



Efficient punching with Slug Buster® and Slug Splitter®.

Greenlee punching tools are characterized by extremely high-quality workmanship. Long durability and ease of use go together without saying.

The standard tools as well as the Slug Buster® range are suitable for punching steel, aluminium and plastic.
The Slug Splitter® range is also suitable for stainless steel.



Fix the die and start punching.



- For holes from 12.5 mm to 143.7 mm.
- For sheet metal up to 3.5 mm thickness.
- Extremely high capacity and long durability.
- For hydraulic and manual operation.

Efficient punching and splitting:

Slug Buster® and Slug Splitter®.

- ▶ Patented punching profile **splits the slugs into two halves**.
- ▶ Innovative cutting edges reduce effort.

Benefits:

- ▶ The slugs fall free from the die saving you time.
- ▶ Increased efficiency resulting from fast operations with little effort.
- ▶ Extended lifetime.



▶ More on Page 502.

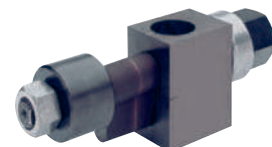
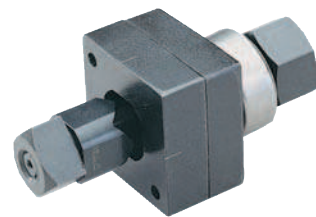
Fits any tool:

Greenlee tools are compatible.

- ▶ All **punching tools are compatible** and can be used with punch drivers from other manufacturers.

Benefits:

- ▶ The investment framework remains manageable.



Our punching tools at a glance:

	Mild steel/ Aluminium/ Plastic	Stain- less steel	Self- centering	Splits the slugs	Manual	Hydraulic	Dimensions in mm	Material thickness
Standard	✓				✓	✓	12,5 – 143,7	<=3 mm
Slug Buster®	✓			✓	✓	✓	12,5 – 64	<=3 mm
Slug Splitter®	✓	✓		✓		✓	15,2 – 64	<=3.5 mm
Slug Splitter SC™	✓	✓	✓	✓		✓	22,5 – 61,5	<=3.5 mm

Standard punch systems

Ball bearing draw stud reduces working force



Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Manual and hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
- Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Scope of supply

- Punch unit including punch, die and draw stud for manual operation

Punch size			Max. material thickness mm		Individual parts for manual operation					Draw studs + accessories for hydraulic units				
True dimen- sion	Standard size				Complete Unit	Punch	Die	Draw stud with ball bearing	ball bearing nut	Spacer Spacer	Draw studs			Adapter sleeves 19.0/28.6
	mm	Pg									ISO	Mild steel		
12.7	Pg 7		1.5	50024086	50069969	50042351	50042181							
14.3			1.5	50024337	50042300	50042297	50042181							
15.2	Pg 9		2.0	50211153	50213164	50320025	50000420							
15.9			1.5	50024094	50042238	50042246	50042181							
16.2		ISO 16	2.0	50351923	50351931	50351621	50000420			50300430		50300430		
18.6			2.0	50188860	50177001	50320033	50000420			50300430		50300430		
19.1			2.0	50206672	50039989	50039997	50000420			50300430		50300430		
20.4	Pg 13	ISO 20	2.0	50188879	50176978	50320041	50000420			50300430		50300430		
20.6			2.0	50206680	50042262	50042254	50000420			50300430		50300430		
22.5	Pg 16		3.5	50225634	51040060	51147220	50000420			50300430		50300430		
23.8			2.0	50253417	50042386	50042378	50000420			50300430		50300430		
25.4		ISO 25	2.0	50206702	50039865	50351648	50000420			50300430		50300430		
27.0			2.0	50253425	50042408	50042424	50000420			50300430		50300430		
28.3	Pg 21		3.5	50225642	51040080	51069720	50040405			50300430		50300430		
28.3	Pg 21		2.0	50369105	50368826	50320068	50000420			50300430		50300430		
28.6			2.0	50206710	50039903	50039911	50000420			50300430		50300430		
30.5			1.5	50365061	50362828	50362798	50000420			50300430		50300430		
31.8			1.5	50206737	50040022	50040030	50000420			50300430		50300430		
32.5		Pg 32	3.5	50244760	50244590	50351680	50040405			50318721		50318721		
33.4			1.5	50253441	50065874	50065866	50000420			50318721		50318721		
34.6			3.5	50225650	50040103	50040111	50040405			50318721		50318721		
34.9			3.5	50254278	50047345	50047353	50040405			50318721		50318721		
37.0	Pg 29		3.5	50188909	50183311	50320084	50040405			50318721		50318721		
38.1			3.5	50254286	50047361	50070444	50040405			50318721		50318721		
40.5		ISO 40	3.5	50244779	50244620	50351591	50040405			50318721		50318721		
41.3			3.5	50253492	50042513	50042505	50040405			50318721		50318721		
43.2			3.5	50225669	51069740	50040138	50040405			50318721		50318721		
44.5			3.5	50253506	50042572	50042564	50040405			50318721		50318721		
47.0			3.5	50188917	50176870	50320092	50040421			50318721		50318721		
47.6			3.5	50253514	50042483	50042491	50040421			50318721		50318721		
49.6			3.5	50225677	50069780	50040618	50040421			50318721		50318721		
50.8		ISO 50	3.5	50206761	50042327	50351613	50040421			50318721		50318721		
54.0	Pg 42		3.5	50206788	50042459	50361732	50040421			50318721		50318721		
57.2			3.5	50253603	50040588	50040596	50040421			50318721		50318721		

Punch size			Max. material thickness mm		Individual parts for manual operation					Draw studs + accessories for hydraulic units			
True dimen- sion mm	Standard size				Punch	Die	Draw stud with ball bearing	ball bearing nut	Spacer Spacer	Draw studs			Adapter sleeves 19.0/28.6
	Pg	ISO										LS 50 LFLEX LS 60-L	
60.0	Pg 48		3.5	50188925	50176900	50320114	50040421						
61.5			3.5	50225685	50040626	50040634	50040421						
63.5		ISO 63	3.5	50206796	50042343	50042335	50040421						
66.7			3.5	50212141	50042521	50069977	50041886	50041878			52045040	52045040	
69.9			3.5	50253611	50042475	50042467	50041886	50041878			52045040	52045040	
70.6			3.5	50253832	50024450	50024434	50040421				52045040	52045040	
74.0			3.5	50199757	50041754	50041770	50041886	50041878			52045040	52045040	
76.2			3.5	50253727	50042599	50042580	50041886	50041878			52045040	52045040	
79.4			3.5	50254030	50063634	50063626	50041886	50041878			52045040	52045040	
82.0			3.5	50186353	50189050	50189069	50041886	50041878			52045040	52045040	
89.8			3.5	50199765	50041800	50041835	50041886	50041878			52045040	52045040	
95.3			3.5	50212168	50052659	50052667	50041886	50041878			52045040	52045040	
102.7			3.5	50199773	50046535	50046527	50046799	50046853	50046861		52045040		50031708
115.4			3.5	50199781	50046551	50046543	50046799	50046853	50046861		52045040		50031708
120.0			3.5	50215191	50214896	50214918	50046799	50046853	50046861		52045040		50031708
144.1			3.5	50199803	50054473	50054481	50046799	50046853	50046861		52045040		50031708



■ Slug Buster® slug splitting punches

- Unique punch profile
- Splitted slugs fall free and can be removed easily

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Manual and hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
- Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Scope of supply

- Patented punch unit includes punch, die and draw stud for manual and hydraulic operation

Order info

- * 50042181 Screw without ball-bearing

Punch size			Max. material thickness mm	Complete Unit	Individual parts for manual operation			Draw studs	
True dimen- sion mm	Standard size				Punch	Die	Draw stud with ball bearing		LS 60 Plus 50159062 50250973
	Pg	ISO							
12.5	Pg 7	ISO 12	1.5	50067273	50067281	50067290	50042181		
15.2	Pg 9		2.0	50319892	50319698	50320025	50000420	50300430	50300430
16.2		ISO 16	2.0	50351770	50351630	50351621	50000420	50300430	50300430
18.6	Pg 11		2.0	50319906	50319701	50320033	50000420	50300430	50300430
20.4	Pg 13	ISO 20	2.0	50319914	50319710	50320041	50000420	50300430	50300430
22.5	Pg 16		2.0	50319620	50317563	51147220	50000420	50300430	50300430
25.4		ISO 25	2.0	50351788	50351656	50351648	50000420	50300430	50300430
28.3	Pg 21		3.0	50319639	50317571	50069721	50040405	50318721	52045040
28.3	Pg 21		2.0	50319930	50319736	50320068	50000420	50300430	50300430
30.5			3.5	50365088	50362844	50362798	50000420	50300430	50300430
30.5			3.5	50602462	50602373	50362780	50040405	50318721	52045040
32.5		ISO 32	3.5	50351796	50351699	50351680	50040405	50318721	52045040
34.6			3.5	50319647	50317580	50040111	50040405	50318721	52045040
37.0	Pg 29		3.5	50319957	50319752	50320084	50040405	50318721	52045040
40.5		ISO 40	3.5	50351800	50351583	50351591	50040405	50318721	52045040
43.2			3.5	50319655	50317598	50040138	50040405	50318721	52045040
47.0	Pg 36		3.5	50319965	50319760	50320092	50040421	50318721	52045040
49.6			3.5	50319663	50317601	50040618	50040421	50318721	52045040
50.8		ISO 50	3.5	50351818	50351605	50351613	50040421	50318721	52045040
54.0	Pg 42		3.5	50361716	50361724	50361732	50040421	50318721	52045040
60.0	Pg 48		3.5	50319981	50319787	50320114	50040421	50318721	52045040
61.5			3.5	50319671	50317610	50040634	50040421	50318721	52045040
64.0		ISO 63	3.5	50351826	50351672	50351664	50040421	50318721	52045040

■ SLUG-SPLITTER® punch set (stainless steel)

- Unique punch profile
- Splitted slugs fall free and can be removed easily

Suitable for:

- Stainless, mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Hydraulic

Predrilling:

- Draw stud 11.1 mm, pilot drill Ø 12.7 mm 50344102
- Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Scope of supply

- Heavy duty punch unit including punch and die

Order info

- * Slug Splitter SC® - self-centering



Punch size			Max. material thickness mm*	Complete Unit	Spare parts		Draw studs for hydraulic units LS 60 Plus 50159062 50250973 50342916 50342991
True dimen- sion mm	Standard size				Punch	Die	
	Pg	ISO					
15.2	Pg 9		2.5	50069519	50311174	50311263	50294512
16.2		ISO 16	2.5	50069527	50045997	50045989	50294512
18.6	Pg 11		2.5	50069535	50311190	50311280	50294512
20.4	Pg 13	ISO 20	2.5	50069543	50311204	50311298	50294512
22.5	Pg 16		3.5	50069551*	50281542*	50281550*	50294512
25.4		ISO 25	3.5	50069560	50046020	50046012	50294512
28.3	Pg 21		3.5	50069578*	50281569*	50281577*	50294520
30.5			3.5	50069586	50364901	50364898	50294520
32.5		ISO 32	3.5	50069594	50046055	50046039	50294520
34.6			3.5	-	50281585*	50281593*	50294520
37.0	Pg 29		3.5	50069608	50311220	50311352	50294520
40.5		ISO 40	3.5	50069616	50046080	50046071	50294520
43.2			3.5	-	50281607*	50281615*	50294520
47.0	Pg 36		3.5	50069624	50311239	50311310	50294520
49.6			3.5	-	50281623*	50281631*	50294520
50.8		ISO 50	3.5	50069632	50046110	50046098	50294520
54.0	Pg 42		3.5	50069640	50311247	50311328	50294520
60.0	Pg 48		3.5	50069659	50311255	50311336	50294520
61.5			3.5	-	50281658*	50281666*	50294520
64.0		ISO 63	3.5	50069667	50046144	50046136	50294520

Holemaking tools

Round and special shape punches

■ Draw studs for manual operation

- To re-order draw studs, simply compare the existing ones with the ones illustrated here.
- Sizes given are diameter x length
- Subject to tolerance deviations

Order info

- To increase service life, we recommend to lubricate the draw studs with Greenlee assembly paste no. 50115472



Item	Part No.
Draw studs for manual operation 28.6 X 190 mm	50046799



Item	Part No.
Draw studs for manual operation 19.0 X 140 mm	50041886



Item	Part No.
Draw studs for manual operation 19.0 X 75 mm	50040421



Item	Part No.
Draw stud for manual operation 19.0 x 55 mm	50040405



Item	Part No.
Draw stud for manual operation 9.5 x 40 mm	50000420



Item	Part No.
Draw studs for manual operation 6.5 X 35 mm	50042181

■ Draw studs for hydraulic operation

Order info

- To increase service life, we recommend to lubricate the draw studs with Greenlee assembly paste no. 50115472

Item	Part No.
Adapter 28.6 x 76 mm	50031708



Item	Part No.
Draw studs for hydraulic operation 9.5 X 71 mm	50300430



Item	Part No.
Draw studs for hydraulic operation 19.0 X 137 mm	52045040



Item	Part No.
Draw studs for hydraulic operation 19.0 X 105 mm	50318721



Item	Part No.
Draw studs Ø 19 x 140 mm	50294520



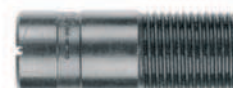
Item	Part No.
Draw studs Ø 11.1 x 108 mm	50294512

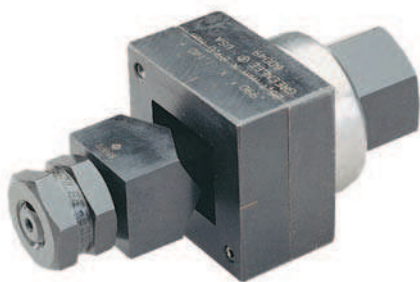


Item	Part No.
Draw studs 9.5 to 19 mm	52042827



Item	Part No.
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672
Adapter 19.0 x 48 mm with internal thread 6.3 mm	50601148
Adapter 19.0 x 48 mm with internal thread 12.7 mm	50601679





Rectangular punches

Suitable for:

- Mild steel, plastic and aluminium up to 3 mm thick and stainless steel up to 1.5 mm
- Punching of burr-free openings

Operation:

- Manual and hydraulic

Predrilling:

- Ø 9.7 mm pilot drill 50360183
- Ø 12.7 mm pilot drill 50344102
- Ø 15.9 mm pilot drill 50344030
- Ø 30.2 mm pilot drill 50364146

Scope of supply

- Punch unit including punch, die, draw stud, counter nut and ball-bearing nut

Order info

- * = only for use with hydraulic punch drivers 50159062, 50250973, LS60L and LS50LFLEX
- ** = only for use with hydraulic punch drivers 50159062 and 50250973



Counter nut

Punch

Die

Draw studs

Ball bearing nut

Punch size mm	Max. material thickness mm	Operation	Complete Unit	Individual parts for manual operation					Mounting hole Ø mm	Optionally available Adapter for hydr. punch drivers
				Punch	Die	Draw studs	ball bearing nut	Counter nut		
11.1 x 22.2	1.5	Hand/hydr.	50600257	50600265	50600273	50601156	50601202	50052446	9.7	50601148
17.0 x 19.0	2.0	Hand/hydr.	50610281		50600303	50344218	50347330	50046381	12.7	50339672
19.1 x 29.0	2.0	Hand/hydr.	50600311	50600320	50600338	50601172	50601652	50602586	15.9	50601679
19.1 x 33.3	2.0	Hand/hydr.	50600346	50600354	50600362	50601172	50601652	50602586	15.9	50601679
21.9 x 25.9	2.0	Hand/hydr.	50600370	50600389	50600397	50601172	50601652	50602586	15.9	50601679
22.0 x 30.0	2.0	Hand/hydr.	50600400	50600419	50600427	50601172	50601652	50602586	15.9	50601679
22.0 x 42.0	2.0	Hand/hydr.	50600435	50600451	50600460	50601172	50601652	50602586	15.9	50601679
25.1 x 29.0	2.0	Hand/hydr.	50600478	50600486	50600494	50601172	50601652	50602586	15.9	50601679
31.8 x 35.1	2.0	Hand/hydr.	50600508	50600516	50600524	50601172	50601652	50602586	15.9	50601679
29.0 x 71.0	3.0	Hydr.	52045296						30.2	
30.0 x 90.0	3.0	Hydr.	52045297						30.2	
33.3 x 66.7	3.0	Hydr.	50600532	50600540	50600559	50601180		50602357	30.2	
35.0 x 52.0	3.0	Hydr.	50600567	50600575	50600583	50601180		50602357	30.2	
35.0 x 65.0	3.0	Hydr.	50600591	50600605	50600613	50601180		50602357	30.2	
35.0 x 82.0	2.0	Hydr.*	50600621	50600630	50600648	50601180		50602357	30.2	
35.0 x 112.0	2.0	Hydr.*	50600656	50600664	50600672	50601180		50602357	30.2	
46.0 x 92.0	3.0	Hydr.*	50600680	50600699	50600702	50601180		50602357	30.2	
57.2 x 88.9	3.0	Hydr.*	50600710	50600729	50600737	50601180		50602357	30.2	
68.0 x 138.0	2.0	Hydr.**	50600745	50600753	50600761	50601180		50602357	30.2	

■ Square punches

Suitable for:

- Mild steel, plastic and aluminium up to 3 mm thick and stainless steel up to 1.5 mm
- Punching of burr-free openings

Operation:

- Manual and hydraulic

Predrilling:

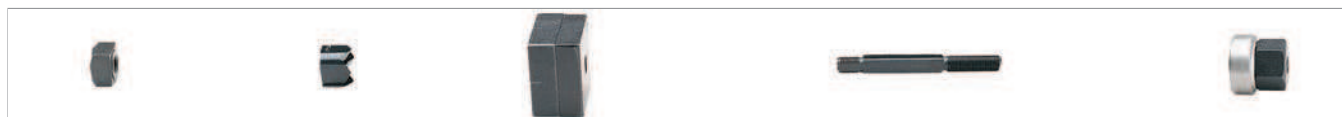
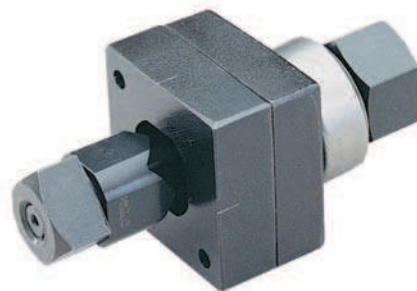
- Ø 9.7 mm pilot drill 50360183
- Ø 12.7 mm pilot drill 50344102
- Ø 15.9 mm pilot drill 50344030
- Ø 30.2 mm pilot drill 50364146

Scope of supply

- Punch unit including punch, die, draw stud, counter nut and ball-bearing nut

Order info

- * = only for use with hydraulic punch drivers 50159063, 50250973, LS60L and LS50LFLEX
- ** = only for use with hydraulic punch drivers 50159063 and 50250973



Counter nut

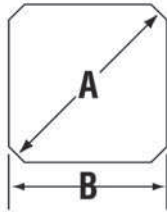
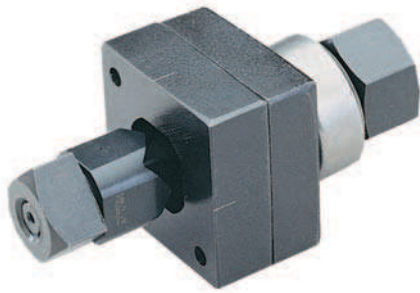
Punch

Die

Draw studs

Ball bearing nut

Punch size mm	Max. material thickness mm	Operation	Complete Unit	Individual parts for manual operation					Mounting hole Ø mm	Optionally available Adapter for hydr. punch drivers
				Punch	Die	Draw studs	ball bearing nut	Counter nut		
12.7 x 12.7	1.5	Hand/hydr.	50600010	50600028	50600036	52020113	50601202	50052446	9.5	50601148
15.9 x 15.9	2.0	Hand/hydr.	50600044			52020113	50347330	50046381	12.7	50339672
19.1 x 19.1	2.0	Hand/hydr.	50610076	50600087	50600095	52020113	50347330	50046381	12.7	50339672
22.4 x 22.4	2.0	Hand/hydr.	50610106			52020113	50347330	50046381	12.7	50339672
24.0 x 24.0	2.0	Hand/hydr.	50610137	50600141	50600150	52020113	50347330	50046381	12.7	50339672
25.4 x 25.4	2.0	Hand/hydr.	50600168	50600176	50600184	50601172	50601652	50602586	15.9	50601679
45.0 x 45.0	3.0	Hydr.	50115723	50767640	50767657	52055901		52055905	30.2	
46.0 x 46.0	3.0	Hydr.	50600192	50600206	50600214	50601180		50602357	30.2	
50.8 x 50.8	3.0	Hydr.	50601687	50601695	50601709	50601180		50602357	30.2	
68.0 x 68.0	3.0	Hydr.	50601717	50601725	50601733	50601180		50602357	30.2	
92.0 x 92.0	3.0	Hydr.*	50601741	50601750	50601768	50601180		50602357	30.2	
104.8 x 104.8	2.0	Hydr.*	50601776	50601784	50601792	50601180		50602357	30.2	
138.0 x 138.0	2.0	Hydr.**	50602349	50600230	50600249	50601180		50602357	30.2	



Special square punch with flattened corners

Suitable for:

- Mild steel, plastic and aluminium up to 2 mm thick
- Punching of burr-free openings

Operation:

- Manual and hydraulic

Predrilling:

- Ø 12.7 mm pilot drill 50344102

Scope of supply

- Punch unit including punch, die, draw stud, counter nut and ball-bearing nut



Counter nut

Punch

Die

Draw studs

Ball bearing nut

Punch size mm		Max. material thickness mm	Operation	Complete Unit	Individual parts for manual operation					Mounting hole Ø mm	Optionally available Adapter for hydr. punch drivers
A	B				Punch	Die	Draw studs	ball bearing nut	Counter nut		
22.5	20.1	2.0	Hand/hydr.	50611257	50611264	50601270	52020113	50347330	50046381	12.7	50339672

Oiltight punch

Suitable for:

- Mild steel, plastic and aluminium up to 3 mm thick

Operation:

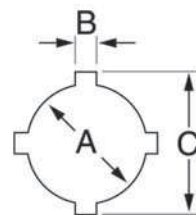
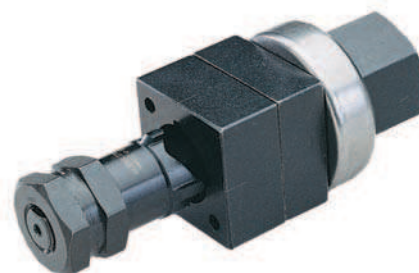
- Manual and hydraulic

Predrilling:

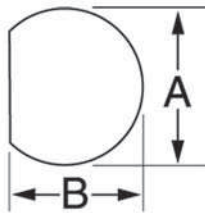
- Ø 15.9 mm pilot drill 50344030

Scope of supply

- Punch unit including punch, die, draw stud, counter nut and ball-bearing nut



    													
Counter nut			Punch		Die	Draw studs					Ball bearing nut		
Punch size			Max. material thickness mm										
mm						Individual parts for manual operation							
A	B	C											
			Mild steel	Operation	Complete Unit	Punch	Die	Draw studs	ball bearing nut	Counter nut	Mounting hole Ø	Optionally available Adapter for hydr. punch drivers	
											mm		
22.5	3.2	25.4	2.0	Hand/hydr.	50602381	50602390	50602500	50601172	50601652	50602586	15.9	50601679	
30.5	4.8	36.0	3.0	Hand/hydr.	50602420	50602438	50602497	50601172	50601652	50602586	15.9	50601679	



"D" special shape punch

Suitable for:

- Mild steel, plastic and aluminium up to 2 mm thick

Operation:

- Manual and hydraulic

Predrilling:

- Ø 12.7 mm pilot drill 50344102

Scope of supply

- Punch unit including punch, die, draw stud, counter nut and ball-bearing nut

Order info

- 50610809 and 50610830 available only as punch unit



Counter nut

Punch

Die

Draw studs

Ball bearing nut

Punch size mm		Max. material thickness mm	Operation	Complete Unit	Individual parts for manual operation					Mounting hole Ø mm	Optionally available Adapter for hydr. punch drivers
A	B				Punch	Die	Draw studs	ball bearing nut	Counter nut		
12.7	11.9	2.0	Hand/hydr.	50600770	50600788	51600790	50601156	50601202	50052446	9,5	50601148
15.9	15.1	2.0	Hand/hydr.	50610809			50601130	50347330	50046381	12.7	50339672
19,1	17,9		Hand/hydr.	50610830			50601130	50347330	50046381	12,7	50339672

■ Double-"D" special shape punch

Suitable for:

- Mild steel, plastic and aluminium up to 2 mm thick

Operation:

- Manual and hydraulic

Predrilling:

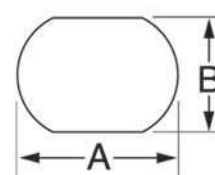
- Ø 15.9 mm pilot drill 50344030

Scope of supply

- Punch unit including punch, die, draw stud, counter nut and ball-bearing nut

Order info

- All punches available only as punch unit



Counter nut

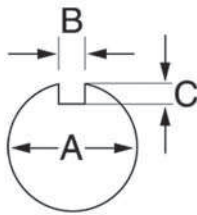
Punch

Die

Draw studs

Ball bearing nut

Punch size mm		Max. material thickness mm	Operation	Complete Unit	Individual parts for manual operation					Mounting hole Ø mm	Optionally available Adapter for hydr. punch drivers
A	B				Punch	Die	Draw studs	ball bearing nut	Counter nut		
19.5	16.3	2.0	Hand/hydr.	50610861			52020113	50347330	50046381	12,7	50339672
20.2	17.6	2.0	Hand/hydr.	50610892			52020113	50347330	50046381	12,7	50339672
23.2	19.2	2.0	Hand/hydr.	50610922			52020113	50347330	50046381	12,7	50339672
23.2	20.2	2.0	Hand/hydr.	50600958			52020113	50347330	50046381	12,7	50339672
34.9	28.6	2.0	Hand/hydr.	50600982			50601660	50601652	50602586	23,8	50601679



Keyway punch

Suitable for:

- Mild steel, plastic and aluminium up to 2 mm thick

Operation:

- Manual and hydraulic

Predrilling:

- Ø 23.8 mm pilot drill 50300083

Scope of supply

- Punch unit including punch, die, draw stud, counter nut and ball-bearing nut



Counter nut

Punch

Die

Draw studs

Ball bearing nut

Punch size mm		Max. material thickness mm	Operation	Complete Unit	Individual parts for manual operation					Mounting hole Ø mm	Optionally available Adapter for hydr. punch drivers
A	B				Punch	Die	Draw studs	ball bearing nut	Counter nut		
12.2	1.4	1.5	Hand/hydr.	50601016	51601020	51601030	50601156	50601202	50052446	9,5	50601148
29.7	3.1	2.0	Hand/hydr.	50601040	51601050	51601060	50601660	50601652	50602586	23,8	50601679
32.1	4.0	2.0	Hand/hydr.	50601075	51601080	51601090	50601660	50601652	50602586	23,8	50601679
33.7	2.6	2.0	Hand/hydr.	50601105	51601110	50601121	50601660	50601652	50602586	23,8	50601679

■ Cylinder lock punch

Suitable for:

- Mild steel up to 1.5 mm thick and aluminium up to 3.5 mm

Operation:

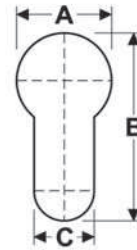
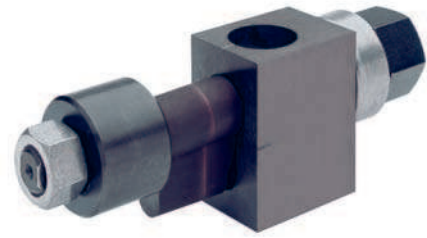
- Manual and hydraulic

Predrilling:

- Ø 12.7 mm pilot drill 50344102

Scope of supply

- Punch unit including punch, die, draw stud, counter nut and ball-bearing nut









Counter nut			Punch		Die		Draw studs				Ball bearing nut		
Punch size mm			Max. material thickness mm			Individual parts for manual operation						Mounting hole Ø mm	Optionally available Adapter for hydr. punch drivers
A	B	C				Mild steel	Operation	Complete Unit	Punch	Die	Draw studs		
17.0	33.3	10.5	2.0	Hand/hydr.	50053078	50053027	50053035	50053043	50347330	90500113	50053051	12,7	50339672



Sub-Min-D-punch

Suitable for:

- Mild steel up to 1.5 mm thick and aluminium up to 3.5 mm
- Front or rear mounting

Operation:

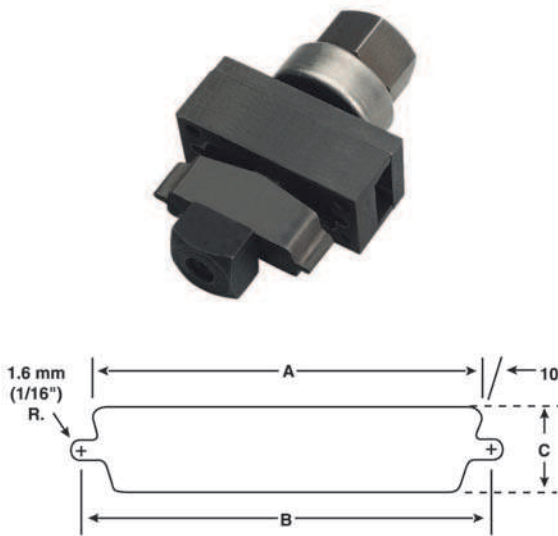
- Manual and hydraulic

Predrilling:

- Ø 12.7 mm pilot drill 50344102

Scope of supply

- Punch unit including punch, die, draw stud, counter nut and ball-bearing nut



Standard	Number Pole	Operation	Complete Unit	Dimension mm			Individual parts for manual operation					Optionally available Adapter for hydr. punch drivers
				A	B	C	Punch	Die	Draw studs	ball bearing nut	Counter nut	
229	9	Hand/hydr.	50344366	20.0	24.9	11.9	50344412	50351966	52020113	50347330	50046381	50339672
231	15	Hand/hydr.	50344374	28.6	33.3	11.9	50344420	50351974	52020113	50347330	50046381	50339672
RS232	25	Hand/hydr.	50344200	42.0	47.1	11.9	50344188	50351982	52020113	50347330	50046381	50339672
234	37	Hand/hydr.	50344293	58.3	63.4	11.9	50344277	50351990	52020113	50347330	50046381	50339672
238	50	Hand/hydr.	50344447	55.9	61.0	14.7	50344439	50352008	52020113	50347330	50046381	50339672

■ Special shape punches for heavy duty connectors

Suitable for:

- Mild steel up to 3 mm thick and aluminium up to 3.5 mm

Operation:

- Hydraulic

Predrilling:

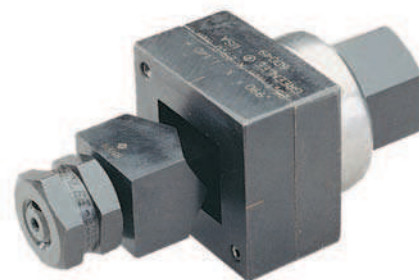
- Ø 30.2 mm pilot drill 50364146

Characteristics

- Rectangular punches for heavy duty connectors feature a drilling jig built into the die, for drilling the 4 locating holes.

Scope of supply

- Punch unit including punch, die, draw stud and counter nut



Punch size mm	Max. material thickness mm Mild steel	Operation	Complete Unit	Individual parts for manual operation					Mounting hole Ø mm	Optionally available Adapter for hydr. punch drivers
				Punch	Die	Draw studs	ball bearing nut	Counter nut		
36,0 x 52,0	3,0	Hydraulic	52033816			52033836		52033844	30,2	
36,0 x 65,0	3,0	Hydraulic	52033817			52033836		52033844	30,2	
36,0 x 86,0	3,0	Hydraulic	52033818			52033836		52033844	30,2	
36,0 x 91,0	3,0	Hydraulic	52033819			52033836		52033844	30,2	
36,0 x 112,0	3,0	Hydraulic	52033820			52033836		52033844	30,2	
46,0 x 86,0	3,0	Hydraulic	52033831			52033836		52033844	30,2	
46,0 x 112,0	3,0	Hydraulic	52033832			52033836		52033844	30,2	

■ Draw studs for special shaped punches

Order info

- To increase service life, we recommend to lubricate the draw studs with Greenlee assembly paste no. 50115472



Item	Part No.
Draw studs for special shape punch 19.0 x 171 mm	50601180



Item	Part No.
Draw studs for special shape punch 12.7 x 117 mm	50601660



Item	Part No.
Draw studs for special shape punch 12.7 x 117 mm	50601172



Item	Part No.
Draw studs for special shape punch 9.5 x 135 mm	50053043



Item	Part No.
Draw studs for special shape punch 9.5 x 93 mm	50601130



Item	Part No.
Draw studs 9.5 x 95 mm	50601164



Item	Part No.
Draw studs for special shape punch 9.5 x 88 mm	50344218



Item	Part No.
Draw studs for special shape punch 6.3 x 87 mm	50601156



Force for punching up to 143.7 mm.

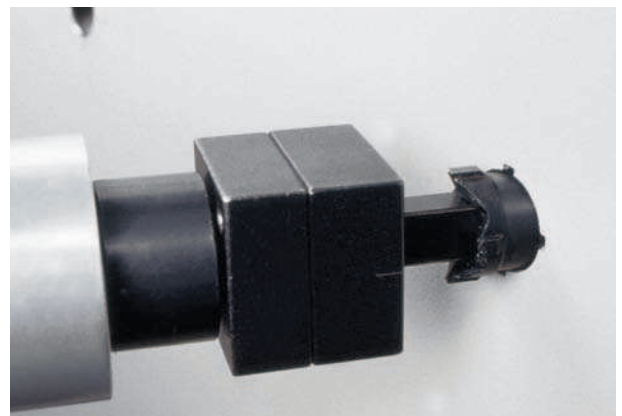
Hydraulic punch drivers for manual and battery powered operation.

Whether hand, foot or battery operated all hydraulic punch drivers serve one purpose only: to punch holes. Yet contrary to popular opinion personal preferences have very little to do with choosing a punch driver. Punch drivers are suitable for different applications or for holes up to certain sizes.

In addition punch drivers offer specific benefits being more or less important for applications concerned.



- Hydraulic punch drivers for hand operation with straight head.
- Hydraulic punch drivers for hand operation with angled and rotating head.
- Hydraulic punch drivers for foot operation.
- Hydraulic punch drivers for battery and mains operation.



Greenlee punching tools facilitate punching operations in different shapes and sizes.

■ Battery-powered punch driver for every angle: LS 50-L FLEX

- ▶ Compact design with high punching force and automatic limit switch.
- ▶ head rotates 135° in both directions.

Benefits:

- ▶ The combination of compact design and high punching force allows punching of comparatively large holes.
- ▶ The rotating head **allows operations in hard to reach areas.**
- ▶ The integrated control **increases wear and tear and lifetime of tools and thus saves money.**



■ LS 60-L: Punches 60 mm (PG48) holes in 8 seconds and stops automatically.



- ▶ Punches 60 mm (PG48) holes in mild steel up to 3 mm in just 8 seconds.
- ▶ **Integrated micro processor control stops once punching operation is complete.**

Benefits:

- ▶ Significantly faster punching operations save you time.
- ▶ The integrated control **increases wear and tear and lifetime of tools and thus saves money.**

▶ More on Page 518.

■ Generates force for holes up to 143.7 mm.

- ▶ Foot pump and ram – punching capacity 110 kN.
- ▶ Suitable for very large holes.

Benefits:

- ▶ Foot operation **frees both hands to operate punch.**
- ▶ The high punching capacity allows punching holes up to 143.7 mm diameter round or 138 mm x 138 mm square.



■ Benefits of hydraulic punch drivers.

	Hand operation	Foot operation	Battery/mains operation	Max. hole, round	Max. hole, square	Max. punching force	Automatic stop
Quick Draw™	✓			64 mm	68 x 68 mm	80 kN	
Quick Draw™ 90°	✓			64 mm	68 x 68 mm	80 kN	
LS 50-L FLEX			✓	80 mm	92 x 92 mm	50 kN	✓
LS 60-L			✓	96 mm	104.8 x 104.8 mm	60 kN	✓
Hydraulic punch driver with hand pump	✓			143.7 mm	138 x 138 mm	110 kN	
Hydraulic punch driver with foot pump		✓		143.7 mm	138 x 138 mm	110 kN	

Holemaking tools

Punching tools and sets

■ Keyway punch

Time-saving punching of slots for anti-twist protected parts

Suitable for:

- Mild steel up to 3 mm thick
- Manual operation



Item	Part No.
Keyway punch	50265342
Spare	Part No.
Spare punch for keyway punch	50265369
Spare die for keyway punch	50265385

■ Hydraulic punch driver Kwik Draw™ 7804E

- – ideal for fast, straight-on front panel punching
- Compact design



Suitable for:

- Special shape punches up to a maximum size of 68 x 68 mm or 35 x 65 mm
- Round punches up to ISO 63 (64 mm Ø)

Characteristics

- Hydraulic punch driver with straight head



Technical data	
Dimension:	Length with draw studs 50300431 397 mm, length without draw studs 321 mm
Punching force:	80 kN
Weight:	2.5 kg

Item	Part No.	
Kwik Draw™ 7804E	50342916	
Scope of supply	Part No.	Page
Hand hydraulic punch driver 7804E	50342886	
Draw studs for hydraulic operation 9.5 X 71 mm	51300430	502
Draw studs for hydraulic operation 19.0 X 105 mm	50318721	502
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	
Plastic case	50352024	

■ Hydraulic punch driver Kwik Draw™ 7904E

- – ideal for fast, straight-on front panel punching
- Head rotates 180° for maximum flexibility
- Hydraulic punch driver with 90° head

Suitable for:

- Special shape punches up to a maximum size of 68 x 68 mm or 35 x 65 mm
- Round punches up to ISO 63 (64 mm Ø)

Characteristics

- Compact design

Technical data	
Dimension:	324 mm
Punching force:	80 kN
Weight:	3.35 kg

Item	Part No.	
Kwik Draw 90™ 7904E	50342991	
Scope of supply	Part No.	Page
Hand hydraulic punch driver 7904E	50337866	
Draw studs for hydraulic operation 9.5 X 71 mm	51300430	502
Draw studs for hydraulic operation 19.0 X 105 mm	50318721	502
Spacer, short	50032488	
Adapter	50336972	
Plastic case	50352024	



■ Manual hydraulic driver

- Flexible head for multi-purpose use even in hard-to-reach areas
- Complete set incl. draw studs, pilot drill and spacer in plastic case

Suitable for:

- Special shape punches up to a maximum size of 68 x 68 mm or 35 x 65 mm
- Round punches up to ISO 63 (64mm Ø)

Characteristics

- Pivoted and slewable

Technical data	
Dimension:	max. 340 x 150 x 85 mm
Punching force:	80 kN
Weight:	5 kg
Revolving/rotatable	360°

Item	Part No.	
Hand-Hydraulic punching set ISO 16 - 40	52033843	
Scope of supply	Part No.	Page
Draw studs 9.5 to 19 mm	52042827	505
HSS Co5 step bits	52049371	
Spacer, short	50032488	
Plastic case		





■ Battery powered punch driver LS 60-L

Electro-hydraulic punch driver with microprocessor control

- Automatic stop makes the punching tools last longer
- Automatic retraction
- Automatic battery charge status detection
- Lithium-Ion battery technology

Suitable for:

- Punches up to 104.8 x 104.8 mm mild steel and 2.0 mm thick
- Punches 92 x 92 mm or 46 x 92 mm, 68 x 68 mm or ISO 63 (64 mm Ø) round in 3 mm mild steel
- Suitable for 96 mm round - 2.5 mm in mild steel
- Suitable for Slug Splitter up to 64 mm round - 2.5 mm stainless steel

Technical data	
Punching force:	60 kN
Punching capacity:	Special shape punch 104.8 x 104.8 mm (ST37 2 mm) Round punches 96 mm (ST37 2.5 mm / VA 1.5 mm)
Weight:	3.9 kg
Punching time:	5s at Ø 22.5 mm, 3mm mild steel 12s at Ø 61.5 mm, 3 mm mild steel 90 punches/battery at Ø 22.5 mm and 3.5 mm mild steel 170 punches/battery at Ø 22.5 mm and 3.5 mm mild steel 250 punches/battery at Ø 22.5 mm and 2.5 mm mild steel
Head outside diameter:	73 mm
Piston stroke:	22 mm
Total height:	321 mm
Width:	75 mm

Item	Part No.	
Battery powered punch driver LS 60 L	LS60L	
Scope of supply	Part No.	Page
Draw studs for hydraulic operation 9.5 X 71 mm	51300430	
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	506
HSS Co5 step bits	52049371	
Plastic case	KKLS60LGL	
Quick-charger for 18V Li-Ion-Batteries	LGL1	378
Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	RAL2	376

Accessories	Part No.	Page
Impulse charger 230V	LG4FGL	

■ Battery powered punch driver LS 50-L FLEX

Flexible battery-powered hydraulic punch driver



- Rotating head
- Lithium-Ion battery technology
- Punching capacity:
Special shape punch 92 x 92 mm (ST37 2 mm)
Round punches 80 mm (ST37 3 mm / VA 2 mm)
- automatic limit stop
- punching force 50 kN
- Weight incl. batteries (3 Ah/18V) 2.9 kg
- Complete set incl. draw studs, pilot drill and spacer, battery and charger in case

Technical data

Capacity	120 punch operations at Ø 22.5 mm, 3.4 mm mild steel resp. 190 punch operations at Ø 22.5 mm, 3 mm mild steel resp. 280 punch operations at Ø 22.5 mm, 2.5 mm mild steel
Punching force:	50 kN
Weight:	approx. 2.9 kg
Drive motor:	DC-permanent field motor
Battery voltage:	18 V DC
Battery capacity:	3 Ah (RAL2/BL1830) or 1.5 Ah (RAL1/BL1815)
Charging time:	22 min. (RAL2/BL1830) or 15 min. (RAL1/BL1815)
Punching time:	5 s at Ø 22.5 mm, 3 mm mild steel 6 s at Ø 63.5 mm, 3 mm mild steel
Hydraulic oil:	Rivolta S.B.H. 11
Ambient temperature:	-20° C up to +40° C
Sound level	70.6 dB (A) in 1 m distance

Item	Part No.	
Battery powered punch driver LS 50-L FLEX	LS50LFLEX	
Scope of supply	Part No.	Page
Quick-charger for 18V Li-Ion-Batteries	LGL1	378
Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	RAL2	376
Draw studs for hydraulic operation 19.0 X 105 mm	50318721	502
Spacer, short	50032488	
HSS Co5 step bits	52049371	
Draw studs 9.5 to 19 mm	52042827	505
Plastic case	KK50LFLEX	



Holemaking tools

Punching tools and sets



Hydraulic punch driver

With handpump, hose and cylinder

Compact design

Suitable for:

- All punches
- Up to 143.7 mm round and 138 x 138 mm square
- Suitable up to 3.5 mm mild steel and 3.5 mm stainless steel (depending on punch size)

Operation:

- Hydraulic

Characteristics

- With handpump, hose and cylinder
- Covers ranges up to 138 x 138 mm

Technical data	
Punching force:	110 kN
Weight:	8.3 kg

Item	Part No.	
Hydraulic punch driver with handpump, hose and cylinder	50159062	
Scope of supply	Part No.	Page
Hydraulic cylinder	50170910	
Draw studs 9.5 to 19 mm	52042827	505
Spacer, short	50032488	
Spacer bush, centre	50032496	
Spacer, long	50069047	
Kwik Stepper™ step bit 12.7 mm	50344102	550
Hydraulic hand pump 767	50132849	561
High pressure hose	50063022	
Draw studs for hydraulic operation 19.0 X 137 mm	52045040	505

■ Hydraulic punch drivers

With footpump, hose and cylinder

Suitable for:

- For all punches
- Up to 143.7 mm round and 138 x 138 mm square
- Suitable up to 3.5 mm mild steel and 3.5 mm stainless steel (depending on punch size)

Operation:

- Hydraulic

Characteristics

- With footpump, hose and cylinder
- Covers ranges up to 138 x 138 mm

Technical data	
Punching force:	110 kN
Weight:	15.2 kg

Item	Part No.	
Hydraulic punch drivers with footpump, hose and cylinder	50250973	
Scope of supply	Part No.	Page
Hydraulic cylinder	50170910	
Spacer, short	50032488	
Spacer bush, centre	50032496	
Spacer, long	50069047	
Kwik Stepper™ step bit 12.7 mm	50344102	550
Hydraulic foot pump 1725	50313533	561
High-pressure hose 6.4 mm x 3 m	50377299	562
Draw studs 9.5 to 19 mm	52042827	505
Draw studs for hydraulic operation 19.0 X 137 mm	52045040	505



■ Assembly paste

Suitable for:

- Statically and dynamically high stressed thread connections

Characteristics

- Increases service life - for statically and dynamically highly stressed thread connections
- 30 g tube

Item	Part No.
Assembly paste	50115472



Holemaking tools

Punching tools and sets



■ C-frame punch driver

- Fast, one shot punching - no predrilling of pilot holes required

Characteristics

- Punching capacity to 3 mm mild steel, punching range 15.2 to 34.6 mm
- For operation we recommend the hydraulic footpump 1725, Part No. 50313533, the handpump 767, Part No. 50132849 or the electro-hydraulic pump Part No. 50052799

Technical data

Throat:	200 mm
Weight:	6.8 kg

Item	Part No.	
Portable C-frame punch driver 1731	50159119	
Scope of supply	Part No.	Page
Punch adapter 9.5 mm	50132768	
Punch adapter 19 mm	50132776	
Punch Pg 16	51040060	
Punch Pg 21	51040080	
Stamp 34.6 mm	50040103	
Die Pg 16 (22.5 mm)	50120875	
Die Pg 21 (28.3 mm)	50120867	
Die 34.6 mm	50120859	
Metal box	50166344	

Accessories	Part No.	Page
Punch Pg 9 (15.2 mm)	50213164	



■ C-frame punch driver

Suitable for:

- For use with standard punches and dies, punching range 15.2 to 115.4 mm

Characteristics

- Punching capacity to 3 mm mild steel, punching range 15.2 to 115.4 mm
- For operation we recommend the hydraulic handpump 755, Part No. 50156772 or the electro-hydraulic pump 50052799

Technical data

Throat:	200 mm
Weight:	27 kg

Item	Part No.	
Portable C-frame punch driver 1732	50273612	
Scope of supply	Part No.	Page
Die adapter 9.5 mm	50117912	
Die adapter 19 mm	50117904	
Die adapter 28.6 mm	50117890	
Die adapter 9.5 mm	50132660	
Die adapter 19 mm	50132679	
Die adapter 28.6 mm	50132687	
Hexagon nut	90542657	
Metal box	50273353	

■ Hydraulic punching head LSK 120

Basic tool

- **Fast and precise cutting**
- **Punching in just a few seconds**
- **Compact design permits working in tight areas**

Suitable for:

- For punching aluminium and copper up to 10 mm thick.
- Hole diameters: 6.5 - 17 mm
- Centric punching: 120 mm max. material width

Technical data	
Max. operating pressure	max. 700 bar
Max. compressive force	160 kN
Dimensions (L x B x H):	234 x 174 x 88 mm
Weight:	approx. 9.5 kg

Item	Part No.
Hydraulic punching head LSK 120	50052110

Accessories	Part No.	Page
Punches and dies Ø 6.5 mm	50052276	527

Accessories	Part No.	Page
Metal box	50052390	



■ Slug Buster® punch set

Complete set for all ranges from ISO 16 - 40

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Manual

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
- Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Item	Part No.	
Slug Buster® slug splitting set ISO 16 to 40	50366920	
Scope of supply	Part No.	Page
Slug Buster Punch Set ISO 16-40	50356178	533
Draw stud for manual operation 9.5 x 40 mm	50000420	
Draw stud for manual operation 19.0 x 55 mm	50040405	
Ratchet	50349410	
Kwik Stepper™ step bit 9.7 mm	50360183	550
Plastic case	50366866	



Holemaking tools

Punching tools and sets



■ Slug Buster® punch set

Complete set for all ranges from PG 9-21 and 30.5 mm

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Manual

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Item	Part No.	
Slug Buster® slug splitting set PG9-21 and 30.5 mm	50366904	
Scope of supply	Part No.	Page
Slug Buster® slug splitting set PG9-21 and 30.5 mm	50323989	534
Draw stud for manual operation 9.5 x 40 mm	50000420	
Ratchet	50349410	
Kwik Stepper™ step bit 9.7 mm	50360183	550
Plastic case	50366866	



■ Slug Buster® punch set

Complete set for all ranges from ISO 16 - 63

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Manual

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Item	Part No.	
Slug Buster® slug splitting set ISO 16 to 63	50366939	
Scope of supply	Part No.	Page
Slug Buster Punch Set ISO 16-63	50068920	534
Draw stud for manual operation 9.5 x 40 mm	50000420	
Draw stud for manual operation 19.0 x 55 mm	50040405	
Ratchet	50349410	
Kwik Stepper™ step bit 9.7 mm	50360183	550
Plastic case	50366866	

■ Slug Buster® punch set

Complete set for all ranges from PG 9-48 and 30.5 mm

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Manual

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Item	Part No.	
Slug Buster® slug splitting set PG9-48 and 30.5 mm	50366912	
Scope of supply	Part No.	Page
Draw stud for manual operation 9.5 x 40 mm	50000420	
Ratchet	50349410	
Slug Buster® slug splitting set PG9-48 and 30.5 mm	50328034	535
Plastic case	50366882	



■ SLUG-SPLITTER® punch set (stainless steel) ISO 16-40

- Unique punch profile
- Splitted slugs fall free and can be removed easily

Suitable for:

- Stainless, mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Hydraulic

Predrilling:

- Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030
Draw stud 11.1 mm, pilot drill Ø 12.7 mm 50344102

Item	Part No.	
Slug Splitter® punch set (stainless steel) ISO16/20/25/32/40	50766803	
Scope of supply	Part No.	Page
SLUG-SPLITTER® punch set (stainless steel) ISO 16	50069527	503
SLUG-SPLITTER® punch set (stainless steel) ISO 20	50069543	503
SLUG-SPLITTER® punch set (stainless steel) ISO 25	50069560	503
SLUG-SPLITTER® punch set (stainless steel) ISO 32	50069594	503
SLUG-SPLITTER® punch set (stainless steel) ISO 40	50069616	503
Draw studs Ø 11.1 x 108 mm	50294512	503
Draw studs Ø 19 x 140 mm	50294520	503
Plastic case	50766810	530



Holemaking tools

Punching tools and sets



■ SLUG-SPLITTER® punch set (stainless steel) ISO 16-63

- Unique punch profile
- Splitted slugs fall free and can be removed easily

Suitable for:

- Stainless, mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Hydraulic

Predrilling:

- Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030
- Draw stud 11.1 mm, pilot drill Ø 12.7 mm 50344102

Item	Part No.	
Slug-Splitter® punch set (stainless steel) ISO16/20/25/32/40/50/63	50766797	
Scope of supply	Part No.	Page
SLUG-SPLITTER® punch set (stainless steel) ISO 16	50069527	503
SLUG-SPLITTER® punch set (stainless steel) ISO 20	50069543	503
SLUG-SPLITTER® punch set (stainless steel) ISO 25	50069560	503
SLUG-SPLITTER® punch set (stainless steel) ISO 32	50069594	503
SLUG-SPLITTER® punch set (stainless steel) ISO 40	50069616	503
SLUG-SPLITTER® punch set (stainless steel) ISO 50	50069632	503
SLUG-SPLITTER® punch set (stainless steel) ISO 63	50069667	503
Draw studs Ø 11.1 x 108 mm	50294512	503
Draw studs Ø 19 x 140 mm	50294520	503
Plastic case	50766810	530

■ Plastic case

For Slug Buster® and Slug Splitter® slug splitting sets

Suitable for:

- Slug Buster® slug splitting sets 50356178, 50068920, 50323989 and 50328034
- Dimensions: 255 x 75 x 200 mm

Item	Part No.
Plastic case	50766810



■ Slug Buster® hand hydraulic punch driver set

Complete set for all ranges from PG 9-21 and 30.5 mm

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Item	Part No.	
Slug Buster® hand hydraulic punch driver set PG 9 to 21 and 30.5 mm	50356119SET	
Scope of supply	Part No.	Page
Hand hydraulic punch driver 7804E	50342886	
Draw studs for hydraulic operation 9.5 X 71 mm	51300430	
Draw studs for hydraulic operation 19.0 X 105 mm	50318721	502
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	506
Slug Buster® slug splitting set PG9-21 and 30.5 mm	50323989	534
Plastic case	50352024	



■ Slug Buster® hand hydraulic punch driver set

Complete set for all ranges from PG 9-21 and 30.5 mm

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Item	Part No.	
Slug Buster® hand hydraulic punch driver set PG 9 to 21 and 30.5 mm	50356151SET	
Scope of supply	Part No.	Page
Hand hydraulic punch driver 7904E	50337866	
Draw studs for hydraulic operation 9.5 X 71 mm	51300430	502
Draw studs for hydraulic operation 19.0 X 105 mm	50318721	502
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	506
Slug Buster® slug splitting set PG9-21 and 30.5 mm	50323989	534
Plastic case	50352024	





■ Slug Buster® hand hydraulic punch driver set

Complete set for all ranges from ISO 16 - 40

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Item	Part No.	
Slug Buster® hand hydraulic punch driver set ISO 16 to 40	50356143SET	
Scope of supply	Part No.	Page
Hand hydraulic punch driver 7804E	50342886	
Draw studs for hydraulic operation 9.5 X 71 mm	51300430	
Draw studs for hydraulic operation 19.0 X 105 mm	50318721	502
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	506
Slug Buster Punch Set ISO 16-40	50356178	533
Plastic case	50352024	



■ Slug Buster® hand hydraulic punch driver set

Complete set for all ranges from ISO 16 - 40

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Item	Part No.	
Slug Buster® hand hydraulic punch driver set ISO 16 to 40	50356160SET	
Scope of supply	Part No.	Page
Hand hydraulic punch driver 7904E	50337866	
Draw studs for hydraulic operation 9.5 X 71 mm	51300430	
Draw studs for hydraulic operation 19.0 X 105 mm	50318721	502
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	506
Slug Buster Punch Set ISO 16-40	50356178	533
Plastic case	50352024	

■ Manual hydraulic driver

including SB-Punch ISO 16 - 40

- Flexible head for multi-purpose use even in hard-to-reach areas
- Complete set incl. SB ISO 16 - 40, draw studs, pilot drill and spacer in plastic case

Suitable for:

- Special shape punches up to a maximum size of 68 x 68 mm or 35 x 65 mm
- Round punches up to ISO 63 (Ø 64mm)

Item	Part No.	
Hand-Hydraulic punching set ISO 16 - 40	52034233	
Scope of supply	Part No.	Page
TC-5 Nylon carrying case with belt loop	50075888	618
Draw studs 9.5 to 19 mm	52042827	505
HSS Co5 step bits	52049371	
Spacer, short	50032488	
Plastic case		
Slug Buster Punch Set ISO 16-40	50356178	533



■ Slug Buster® punch set

- Unique punch profile
- Splitted slugs fall free and can be removed easily

Suitable for:

- Mild steel, plastic and aluminium up to 3 mm thick

Operation:

- Manual and hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
- Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Scope of supply

- Complete system consisting of punch and die in 5 sizes

Item	Part No.	
Slug Buster Punch Set ISO 16-40	50356178	
Accessories	Part No.	Page
Plastic case	50766810	530



■ Slug Buster® punch set

- Unique punch profile
- Splitted slugs fall free and can be removed easily

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Manual and hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
- Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Scope of supply

- Complete system consisting of punch and die in 7 sizes

Item	Part No.
Slug Buster Punch Set ISO 16-63	50068920

Accessories	Part No.	Page
Plastic case	50766810	530

■ Slug Buster® punch set

- Unique punch profile
- Splitted slugs fall free and can be removed easily

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Manual and hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
- Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Scope of supply

- Complete system consisting of punch and die in 6 sizes

Item	Part No.
Slug Buster® slug splitting set PG9-21 and 30.5 mm	50323989

Accessories	Part No.	Page
Plastic case	50766810	530

■ Slug Buster® punch set

- Unique punch profile
- Splitted slugs fall free and can be removed easily

Suitable for:

- Mild steel, plastic and aluminium up to 3.5 mm thick

Operation:

- Manual and hydraulic

Predrilling:

- Draw stud 9.5 mm, pilot drill Ø 9.7 mm 50360183
Draw stud 19 mm, pilot drill Ø 20.5 mm 50344030

Scope of supply

- Complete system consisting of punch and die in 9 sizes

Item	Part No.
Slug Buster® slug splitting set PG9-48 and 30.5 mm	50328034

Accessories	Part No.	Page
Plastic case	50766810	530



Deep cuts,

fast change.

Bi-metal and carbide tipped hole saws and arbors.

The ability to saw holes in different materials means the frequent use of hole saws. These tools are characterized by extremely long durability. Their design enables a quick and simple change of hole saws.



Countersink hole saws ensure burr free holes for easy mounting of electrical outlets.

- For nominal dimensions from 14 mm to 152 mm.
- Suitable for various materials.

■ A solid back plate for precise concentricity.

▶ Solid back plate for increased stability.

- ▶ For installing wall outlets, halogen lightings etc.

Benefits:

- ▶ The reinforced back plate gives additional stability creating more precise holes.
- ▶ Hole saws are multi-purpose tools meaning less tools needed.



■ A little more:

Cutting depth up to 41.3 mm.

- ▶ Cutting depth of 41.3 mm.
- ▶ For steel sheet, cast iron, brass, aluminium, fibreglass, wood and plastic.

Benefits:

- ▶ These hole saws achieve deeper cuts than tools from other suppliers.
- ▶ You need **just one hole saw for a range of materials.**



■ For fast change: Kwik Change™.

- ▶ **Kwik change arbors** for rapid mounting of hole saws.
- ▶ Ejector spring makes removal of slugs easier.

Benefits:

- ▶ Kwik change arbors reduce tooling time thus saving you time as well.
- ▶ Easy removal of slugs – speeding drilling operations.



▶ More on Page 543.



■ The multi-purpose tool:

HKP carbide tipped hole saw.

- ▶ Optimised chip clearance.
- ▶ **Suitable for a range of materials.**

Benefits:

- ▶ Safe and fast operations.
- ▶ One tool for many applications.



Holemaking tools

Hole saws



HSS hole saws

- Heavy duty back plate reduces vibration and ensures concentric running

Suitable for:

- For mild steel, cast iron, brass, aluminium, fibreglass, wood and plastic

Characteristics

- Positive rake variable pitch design provides faster, easier cutting
- Variable pitch design
- Max. cutting depth 41.3 mm
- Tooth hardness Rc 65-68

Order info

- Arbors have to be ordered separately, not included in scope of supply

Part No.	Nominal size mm	True dimension mm	Standard size		Shanks as required	weight g	Recommended cutting speed r.p.m.			
			Pg	ISO			Steel sheet	Cast iron	Brass	Aluminium
50191314	14	14.3			50371576 or 50371550 or 50385224 or 50028006	46	580	400	790	900
50191322	16	15.9	Pg 9			46	550	365	730	825
50191330	17	17.5		ISO 16		46	500	330	665	750
50191349	19	19.0	Pg 11			46	460	300	600	690
50191357	22	20.6	Pg 13			46	425	280	560	635
50191365	22	22.2	Pg 16			46	390	260	520	585
50191373	24	23.8				46	370	245	495	555
50191381	25	25.4		ISO 25		46	350	235	470	525
50191403	27	27.0				46	325	215	435	480
50191411	29	28.6	Pg 21			46	300	200	400	450
50191438	30	30.2			50028006 or 50371568 or 50371541 or 50028014	91	285	190	380	425
50191446	32	31.7				91	275	180	360	410
50191454	33	33.3		ISO 32		91	260	175	345	390
50191462	35	35.0				46	250	165	330	375
50191470	37	36.5	Pg 29			91	240	160	315	360
50191489	38	38.1				91	230	150	300	345
50191497	40	39.7				91	220	145	290	330
50191500	41	41.3		ISO 40		91	210	140	280	315
50191519	43	42.9				137	205	135	270	305
50191527	44	44.4				91	195	130	260	295
50191535	46	46.0				91	190	125	250	285
50191543	48	47.6	Pg 36			137	180	120	240	270
50191551	51	50.8				91	170	115	230	255

Part No.	Nominal size mm	True dimension mm	Standard size		Shanks as required	weight g	Recommended cutting speed r.p.m.			
			Pg	ISO			Steel sheet	Cast iron	Brass	Aluminium
50191578	52	52.4			50371568 or 50028014	137	165	110	220	245
50191586	54	54.0	Pg 42			137	160	105	210	240
50191594	57	57.2				137	150	100	200	225
50191608	59	58.7				227	150	100	195	225
50191616	60	60.3	Pg 48			137	140	95	190	220
50191624	63	63.5		ISO 63		137	135	90	180	205
50191632	65	65.0				182	130	85	175	200
50191640	67	66.7				182	130	85	170	195
50361694	68	68.0				182	125	80	160	185
50191659	70	69.8				182	125	80	160	185
50191667	73	73.0				182	120	80	160	180
50361708	74	74.0				182	115	75	150	170
50191675	76	76.2				227	115	75	150	170
50191683	79	79.4			50371568 oder 50028014	227	110	70	140	165
50191691	83	82.5				273	105	70	140	155
50191705	86	85.7				273	100	65	130	150
50191713	89	88.9				273	95	65	130	145
50191721	92	92.1				273	95	60	120	140
50191748	95	95.2				318	90	60	120	135
50191756	98	98.4				318	90	60	120	135
50191764	102	101.6				318	85	55	110	130
50191772	105	104.8				363	80	55	110	120
50191780	108	108.0				363	80	55	110	120
50191799	111	111.1				363	80	50	100	120
50191802	114	114.3				409	75	50	100	105
50191810	121	120.6				499	75	50	95	95
50191829	127	127.0				545	65	45	90	90
50191837	140	139.7				545	60	35	85	85
50191845	152	152.4				636	55	35	75	75

Hole saws



■ HSS hole saw set

Item	Part No.
HSS bi-metal hole saw set (830 PG)	50292099
HSS bi-metal hole saw set (830)	50191926
HSS hole saw set	50069330
HSS hole saw set	50069314

Part No.	Description	Nominal size mm	50292099 (830 Pg)	50191926 (830)	50069314	50069330
50191322	HSS hole saw set	16	•			
50191349	HSS hole saw set	19	•			
50191357	HSS hole saw set	22	•			
50191365	HSS bi-metal hole saw	22	•	•		
50191411	HSS hole saw set	29	•	•		
50191438	HSS hole saw set	30	•			
50191489	HSS hole saw set	38	•			
50191543	HSS hole saw set	48	•			
50191616	HSS hole saw set	60	•			
50191462	HSS hole saw set	35				
50191527	HSS hole saw set	44		•		
50191551	HSS hole saw set	51		•		
50191624	HSS hole saw set	63		•		
50191675	HSS hole saw set	76				
50191721	HSS hole saw set	92				
50191772	HSS hole saw set	105				
50191802	HSS hole saw set	114				
50191616	HSS hole saw set	60	•			
50191675	HSS hole saw set	76				
50191691	HSS hole saw set	83			•	•
50361694	HSS hole saw set	68			•	•
50371576	Arbor for HSS bi-metal hole saws			•		
50371550	Arbor for HSS bi-metal hole saws		•	•		
50371568	Arbor for HSS bi-metal hole saws		•	•		
50069292	SDS arbor for HSS hole saws				•	
50371819	Plastic case		•	•		
50302361	Plastic case					
50069306	Plastic case				•	•

■ Electro set with countersink

Suitable for:

- Steel, non-ferrous metal, aluminium, cast iron, stainless steel, wood, plastic and building materials

Scope of supply

- Consisting of hole saws 35 mm, 68 mm, 75 mm, countersink for 68 mm hole saw, arbor with pilot drill and counter nut for hole saws 32 - 152 mm and spare HSS pilot drill Ø 6.35 mm

Characteristics

- Sockets can be mounted flush with the wall.
- Ejector spring for all hole saws from Ø 52 mm
- Countersink with two specially-hardened cutting teeth

Item	Part No.
Electro set with countersink 35/68/75 mm	50125630



■ HSS bi-metal hole saw set ISO 16 to 63

Suitable for:

- Steel, non-ferrous metal, aluminium, cast iron, wood, plastic and building materials

Scope of supply

- ISO 16 - 63, incl. 7 hole saws and arbors 50371568 and 50371550

Characteristics

- Variable pitch design
- Cutting depth: 40 - 45 mm

Item	Part No.
HSS bi-metal hole saw set ISO 16 to 63	50069497



Hole saws

■ Arbor for HSS bi-metal hole saws

Suitable for:

- Sizes from 14 mm - 30 mm



Arbor mm	Hole saws Ø mm	including Pilot drill	Part No.	Additionally available Pilot drill
6.4 mm	14 - 30 mm	50376233	50371576	
7.9 mm	14 - 30 mm	50382567	50385224	
11.1 mm	14 - 30 mm	50376233	50371550	50385267

■ Arbor for HSS bi-metal hole saws

Suitable for:

- Sizes from 32 mm - 51 mm
- Sizes from 32 mm - 152 mm



Arbor mm	Hole saws Ø mm	including Pilot drill	Part No.	Additionally available Pilot drill
7.9 mm	32 - 51 mm	50376233	50371541	50385267
11.1 mm	32 - 152 mm	50376233	50371568	50385267

■ SDS arbor for HSS hole saws

Suitable for:

- Sizes from 32 mm - 152 mm
- Sizes from 14 mm - 30 mm



Arbor mm	Hole saws Ø mm	including Pilot drill	Part No.	Additionally available Pilot drill
SDS	32 - 152 mm	50382567	50069292	50385267
SDS	14 - 30 mm	50382567	50069691	50385267

■ Kwik Change carbide tipped hole saw

- Kwik change arbor allows to change cutter heads with a simple push and turn

Suitable for:

- Steel, stainless steel, non-ferrous metals, plastics, light building boards and wood to 4.5 mm thick

Characteristics

- Ejector spring makes removal of slug easier
- Triangular shank 9.5 mm 50057529
- Triangular shank 12.7 mm 50057537

Order info

- Arbors not within scope of supply, please order separately



Part No.	Nominal size mm	True dimension mm	Standard size		Shanks
			Pg	ISO	
50057529					50057529
50057537					50057529
50057618					50057529
50057626					50057529
50056913	16	15.9	Pg 9		50057529
50056921					50057529
50056930	19	19.0	Pg 11		50057529
50056948	21	20.6	Pg 13	ISO 20	50057529
50056956	22	22.2	Pg 16		50057529
50056964	27	27.0			50057529
50059572	27	27.0			50057529
50056972	29	28.6	Pg 21		50057529
50056980	31	31.0			50057529
50056999	32	31.8			50057529
50059580	34	33.3			50057529
50057006	35	34.9			50057529
50059599	37	36.5	Pg 29		50057529
50057014	38	38.1			50057529
50057022	45	44.4			50057529
50057030	51	50.8		ISO 50	50057529
50059602	54	54.0	Pg 42		50057529
50057049	58	57.2			50057537
50057057	64	63.5		ISO 63	50057537
50057065	67	66.7			50057537
50057073	76	76.2			50057537

Holemaking tools

Hole saws



■ Kwik Change carbide tipped hole saw set

- Kwik change arbor allows to change cutter heads with a simple push and turn

Suitable for:

- Steel, stainless steel, non-ferrous metals, plastics, light building boards and wood to 4.5 mm thick

Characteristics

- Arbor 50057529
- Ejector spring makes removal of slug easier

Item	Part No.
Kwik Change carbide tipped saw set PG 16, PG 21, 35 mm, 45 mm, ISO 50	50057669
Kwik Change carbide tipped saw set PG 16, PG 21, 35 mm	50058207



■ Kwik Change arbor

Suitable for:

- Sizes 16 mm - 58 mm; 60 mm - 76 mm

Item	Part No.
Kwik Change arbor 16 - 58 mm	50057529
Kwik Change arbor 60 - 76 mm	50057537
Pilot drill for arbor 50057529	50057618
Pilot drill for arbor 50057537	50057626

■ HKP carbide tipped hole saw

- Easy chip removal with extra wide tooth pitch
- No clogging or burning of carbide teeth

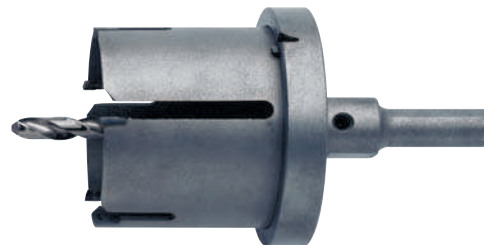
Suitable for:

- Wood, chipboard, coated chipboard, pressboard, PVC, fibreglass, plaster board, porous concrete, claystone and clay tiles

Characteristics

- Groove permits easy removal of the drilling core
- Maximum cutting depth: 60 mm
- Flute covers two third of the total length

Item	Part No.
HKP carbide tipped hole saw 35 mm without arbor	52033834
HKP carbide tipped hole saw 68 mm without arbor	52033835
HKP carbide tipped hole saw 74 mm without arbor	52033837
HKP carbide tipped hole saw set 35, 68 and 74 mm incl. triangular arbor, SDS arbor, HSS and HM pilot drill	52033833
HKP carbide tipped set 68 mm incl. triangular arbor, HSS and HM pilot drill, countersink	52034333



Accessories	Part No.	Page
Triangular shank, 70 mm long, shank diameter 13 mm	52034328	

Holemaking tools

Hole saws



■ Carbide tipped hole saw

- Carbide tipped cutting edges for long service life and clean cuts
- Changeable cobalt steel pilot drill with unique tip to prevent long chips

Characteristics

- Cuts quick, clean and accurate holes in stainless steel, copper, aluminium and steel
- Flange stop prevents over drilling
- Maximum cutting depth: 10 mm
- Maximum material thickness: 4 mm

Part No.	True dimension mm	Minimum chuck size mm	Standard size		Recommended cutting speed r.p.m.	
			Pg	ISO	Stainless steel	Steel sheet
50383248	19.0	6.4	Pg 11		550	800
50383256	20.6	6.4	Pg 13	ISO 20	510	740
50383264	22.2	6.4	Pg 16		475	690
50383272	25.4	9.5		ISO 25	415	600
50383280	28.6	9.5	Pg 21		370	535
50383299	30.5	9.5			345	500
50383302	31.7	9.5			330	485
50383310	35.0	9.5			300	435
50383329	38.1	9.5			275	400
50383337	44.4	9.5			235	340
50383345	50.8	9.5		ISO 50	205	300
50383361	63.5	12.7		ISO 63	165	240

■ Interchangeable pilot drill for carbide tipped hole saws

Suitable for:

- Wood, aluminium, steel, plastic and fibreglass



Item	Part No.
Interchangeable pilot drill for carbide tipped hole saws 19 mm to 50.8 mm	50383892
Interchangeable pilot drill for carbide tipped hole saws 63.5 mm	50383906

■ Carbide tipped hole saw set

- Carbide tipped cutting edges for long service life and clean cuts
- Changeable cobalt steel pilot drill with unique tip to prevent long chips

Characteristics

- Cuts quick, clean and accurate holes in stainless steel, copper, aluminium and steel
- Flange stop prevents over drilling
- Maximum cutting depth: 10 mm
- Maximum material thickness: 4 mm

Item	Part No.	
Carbide tipped hole saw set PG 16, PG 21 and 35 mm	50035991	
Scope of supply	Part No.	Page
Carbide tipped hole saw 22.2 mm	50383264	546
Carbide tipped hole saw 28.6 mm	50383280	546
Carbide tipped hole saw 35 mm	50383310	546
Plastic case		
Pilot drill		

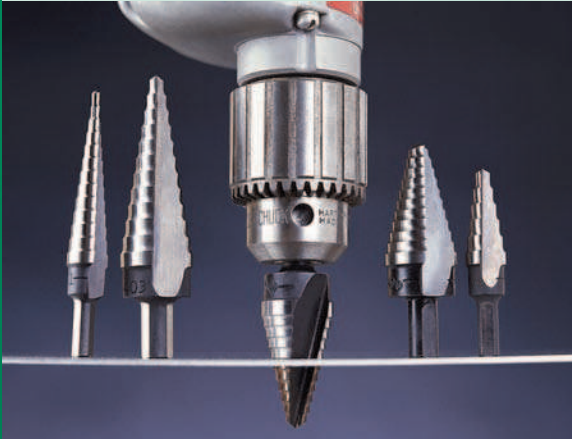


Step by step burr-free.

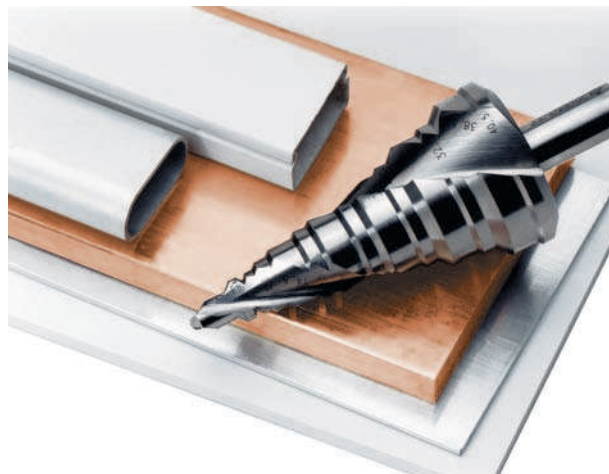
Precise step bits milled using the latest CNC technology.

For burr-free drilling of sheet metal, pipes, non-ferrous metals, stainless steel and plastics.

Step bits are top quality products and manufactured to latest standards using CNC technology.



- For holes from 3.2 mm to 40 mm.
- Suitable for a broad range of materials.
- With spiral flute and edge breaker.



Step bits are suitable for a wide range of materials and surfaces.

■ Burr-free thanks to the edge breaker: Kwik Stepper™ step bits.

- For the burr-free drilling and reaming of sheet metal, pipes, non-ferrous metals, stainless steel and plastics.
- **Centering, drilling and deburring in one operation.**

Benefits:

- Step bits are multi-purpose tools and can be used for a wide range of materials.



■ Spiral flute for more holes and less effort.

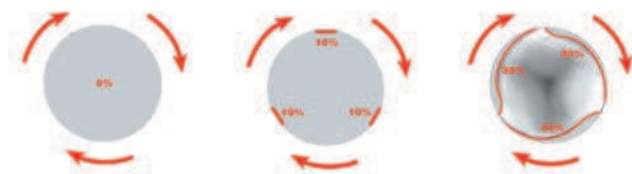
- Spiral flute (DBGM) means less effort needed **and improves cutting performance.**

Benefits:

- Less effort means less wear and tear.
- The holes are more precise and operation is trouble free.

■ 90 % transmission zone, no slipping ROTASTOP®.

- Tool change in seconds.
- **Maximum torque transmission.**
- 90 % transmission zone on the drills.



Benefits:

- No more drill slippage making your work more efficient.
- Tool change more efficient and faster.
- Improved power transmission.

■ Benefits of the individual bits.

Step bits	Hole diameter mm Ø	Step sizes mm Ø	Length mm	Number of steps	Shank Ø mm	Rota-stop®
50344013	3,2 – 12,7	3,2 / 4,0 / 4,8 / 5,6 / 6,4 / 7,1 / 7,9 / 8,7 / 9,5 / 10,3 / 11,1 / 11,9 / 12,7	80	13	6,4	
50364022	4,8 – 12,7	4,8 / 6,4 / 7,9 / 9,5 / 11,1 / 12,7	80	6	6,4	
50344110	22,2	22,2	85	1	9,5	
50344030	4,8 – 22,2	4,8 / 6,4 / 7,9 / 9,5 / 11,1 / 12,7 / 14,3 / 15,9 / 17,5 / 19,1 / 20,6 / 22,2	85	12	9,5	
50300083	22,2 – 28,6	12,7 / 22,2 / 28,6	57	3	9,5	
50364146	22,2 – 34,9	22,2 / 28,6 / 31,0 / 31,8 / 34,9	73	5	9,5	
50360183	9,7	Pilot drill for Greenlee draw studs Ø 9.5 mm	40	1	6,4	
50344102	12,7	Pilot drill for Greenlee draw studs Ø 11.1 mm	40	1	6,4	
50360205	Pg 7 – 21	Pg7 / Pg9 / Pg11 / Pg13.5 / Pg16 / Pg21 / Pg30.5	90	7	9,5	
50360221	ISO 16 – 32	For ISO dimensions 16 / 20 / 25 / 32	80	4	9,5	
50069845	4 – 12	4,0 / 5,0 / 6,0 / 7,0 / 8,0 / 9,0 / 10,0 / 11,0 / 12,0	80	9	6,0	✓
50069853	4 – 20	4,0 / 6,0 / 8,0 / 10,0 / 12,0 / 14,0 / 16,0 / 18,0 / 20,0	67	9	8,0	✓
50069861	6 – 30	6.0 – 30.0 (2.0 mm steps)	98	13	10,0	✓
50069870	6 – 36	6.0 – 36.0 (3.0 mm steps)	82	11	12,0	✓
50069888	ISO 12 – 40	For ISO sizes 12 / 16 / 20 / 25 / 32 / 40	110	6	12,0	✓

Holemaking tools

Bits and step bits

■ Kwik Stepper™ step bit

Suitable for:

- Burrfree drilling of steel sheets, pipes, non-ferrous metals, stainless steel and plastic

Characteristics

- For burr-free drilling of metal plates, pipes, non-ferrous metals, stainless steel and plastics.
- Drilling range from 3.2 mm - 34.9 mm



Part No.	Drilling range mm Ø	Step sizes mm Ø	Total length mm	Number of steps	Shank mm Ø
50344013	3.2-12.7	3.2 / 4.0 / 4.8 / 5.6 / 6.4 / 7.1 / 7.9 / 8.7 / 9.5 / 10.3 / 11.1 / 11.9 / 12.7	80	13	6.4
50364022	4.8-12.7	4.8 / 6.4 / 7.9 / 9.5 / 11.1 / 12.7	80	6	6.4
50344110	22.2	22.2	85	1	9.5
50344030	4.8-22.2	4.8 / 6.4 / 7.9 / 9.5 / 11.1 / 12.7 / 14.3 / 15.9 / 17.5 / 19.1 / 20.6 / 22.2	85	12	9.5
50300083	22.2-28.6	12.7 / 22.2 / 28.6	57	3	9.5
50364146	22.2-34.9	22.2 / 28.6 / 31.0 / 31.8 / 34.9	73	5	9.5
50360183	9.7	For drilling pilot holes for Greenlee draw studs	40	1	6.4
50344102	12.7	For drilling pilot holes for Greenlee draw studs	40	1	6.4
50360205	Pg 7-21	For conduit threads (through holes) Pg7 / Pg9 / Pg11 / Pg13.5 / Pg16 / Pg21 / 30.5	90	7	9.5
50360221	ISO 16-32	For ISO sizes 16 / 20 / 25 / 32	80	4	9.5

■ Kwik Stepper™ step bit with ROTASTOP® shank

- Longer lifetime
- Less force needed
- Improved cutting performance
- Smooth cutting
- Minimum burr

Suitable for:

- Burrfree drilling of steel sheets, pipes, non-ferrous metals, stainless steel and plastic

Characteristics

- Drilling range from 4 mm - 40.5 mm



Part No.	Drilling range mm Ø	Step sizes mm Ø	Total length mm	Number of steps	Shank mm Ø
50069845	4-12	4.0 / 5.0 / 6.0 / 7.0 / 8.0 / 9.0 / 10.0 / 11.0 / 12.0	80	9	6.0
50069853	4-20	4.0 / 6.0 / 8.0 / 10.0 / 12.0 / 14.0 / 16.0 / 18.0 / 20.0	67	9	8.0
50069861	6-30	6.0 / 8.0 / 10.0 / 12.0 / 14.0 / 16.0 / 18.0 / 20.0 / 22.0 / 24.0 / 26.0 / 28.0 / 30.0	98	13	10.0
50069870	6-36	6.0 / 9.0 / 12.0 / 15.0 / 18.0 / 21.0 / 24.0 / 27.0 / 30.0 / 33.0 / 36.0	82	11	12.0
50069888	ISO 12-40	For ISO sizes 12 / 16 / 20 / 25 / 32 / 40	110	6	12.0

■ Combi bit set in plastic box M3 - M10

- Drill, tap and deburr in one operation

Suitable for:

- For use with mild steel, stainless steel, non-ferrous metals and plastics

Characteristics

- Nominal diameter corresponds to the max. material thickness

Item	Part No.	
Combi bit set in plastic box M3 - M10	50116304	
Scope of supply	Part No.	Page
Combi bit M3	50116312	551
Combi bit M4	50116320	551
Combi bit M5	50116339	551
Combi bit M6	50116347	551
Combi bit M8	50116355	551
Combi bit M10	50116363	551
Combi bit holder	50116371	551



■ Kwik Stepper™ step bit set in metal box

- Longer lifetime
- Less force needed
- Improved cutting performance
- Smooth cutting
- Minimum burr

Suitable for:

- Burrfree drilling of steel sheets, pipes, non-ferrous metals, stainless steel and plastic

Characteristics

- Drilling range from 4 mm - 30 mm

Item	Part No.	
Kwik Stepper™ step bit set in metal box	50069900	
Scope of supply	Part No.	Page
Kwik Stepper™ step bit with ROTASTOP® shank	50069845	551
Kwik Stepper™ step bit with ROTASTOP® shank 4 - 20 mm	50069853	551
Kwik Stepper™ step bit with ROTASTOP® shank 6 - 30 mm	50069861	551

