

KLAUKE CATALOGUE 2017/18

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Electrical connection system Crimping tools **Cutting tools** Holemaking tools **Universal tools**
Hand tools **Cable pulling technology** **Testing and measuring instruments**



*Verbindungen mit **System**
The **POWER** of Partnership*

Klauke[®]
A Textron Company

QUICK AND CLEAN.

Greenlee tools for punching - exactly the right solution for accurate operations. Extreme reliability quickly achieves a burr-free result.





Punching

Round and special shape punches	416
Standard punch systems	418
Slug Buster® punch systems	420
Slug-Splitter® punch system for stainless steel	421
Speed-Punch™ punch system	422
Special shape punches	425

Punching tools and sets	434
Speed Nut	436
Mechanical and hydraulic punching tools	436
Battery powered punching tool LS 60-L	438
Battery powered punching tool LS 50 Flex	439
Battery powered universal tools	440
Slug Buster® punch sets	447
Speed-Punch™ punch sets	449
Slug-Splitter® punch sets	451
Slug Buster® punching tools and sets	452

Hole saws	456
HSS bi-metal hole saws	458

Bits and step bits	464
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PATENTED CLEAN SOLUTION - ROUND AND SPECIAL SHAPE PUNCH

Speed and innovation set our Greenlee products apart. With Speed Punch and Slug Splitter, you can work quickly and precisely in any application. Our commitment to your work.



In brief

- ▶ Long service life
- ▶ For aluminium and steel to 3.5 mm thick
- ▶ Threadless profile for quick replacement
- ▶ No jamming of the slug
- ▶ Threads require no maintenance



▶ Quick punching with Speed Punch

We make you faster. Time-saving operations are really easy with the Speed Punch profile. The threadless stamp profile is quickly changed via clamp technology - no more screwing the counter nut off and on! Which also means: Threads are care and maintenance-free. Punching is up to three-times quicker than before.

- Quick punching system: Punching up to 3 x quicker
- For aluminium and steel up to 3.5 mm thick
- Innovative clamp technology
- No more screwing the counter nut off and on
- Threads are now care and maintenance-free

Speed Punch video:
youtube.com/watch?v=0LJ7mHEgeow



▶ Slug Splitter: Automatic clean punching

We make it easy for you. The Slug Splitter separates punched slug remnants. You can fully concentrate on punching stainless steel, without delays due to time-consuming removal of punched slug remnants.

- Splits the punches into two parts for direct removal of punch slug remnants
- Longest service life due to high-quality stainless steel
- Suitable for use with all Greenlee punching hydraulics



▶ Square punch: Special-shaped punches

Displays and panels require appropriate square-shaped punching. The special punching stamp from Greenlee punches stainless steel and mild steel without leaving burrs. High-quality tool steel meets your requirements - in proven Greenlee quality.

- For mild steel (St37), plastic and aluminium to 3.0 mm thick and V2A stainless steel up to 1.5 mm
- Burr-free punching of display panels
- High-quality tool steel





Punching

Round and special shape punches

Standard punch systems



▶ Ball bearing draw stud reduces operating force

Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual / hydraulic

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm diameter 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm diameter 50344030

Scope of supply

- Complete system including punch, die and draw stud for manual operation

Additional information

- *50042181 Draw stud without ball-bearing

Punch size			Max. Material thickness	Individual parts for manual operation					Draw studs + Accessories for hydraulic units				Complete unit
True dimension	Standard size			mm (St37)	Punch	Die	Draw stud with ball bearing	Ball bearing nut	Spacer	Draw studs		Accessories	
	mm	Pg	ISO							Hand hydraulic 7804E, 7904E	Battery powered punch LS 50 FLEX LS 60 L	Hydr. pump 50159062 50250973	Adapter sleeves 19,0 / 28,6
12.7	Pg 7		1.5	50069969	50042351	50042181							50024086
14.3			1.5	50042300	50042297	50042181							50024337
15.2	Pg 9		2.0	50213164	50320025	50000420							50211153
15.9			1.5	50042238	50042246	50042181						50339672	50024094
16.2		ISO 16	2.0	50351931	50351621	50000420				51300430	51300430	50339672	50351923
18.6			2.0	50177001	50320033	50000420				51300430	51300430	50339672	50188860
19.1			2.0	50039989	50039997	50000420				51300430	51300430	50339672	50206672
20.4	Pg 13	ISO 20	2.0	50176978	50320041	50000420				51300430	51300430	50339672	50188879
20.6			2.0	50042262	50042254	50000420				51300430	51300430	50339672	50206680
22.5	Pg 16		3.5	51040060	51147220	50000420				51300430	51300430	50339672	50225634
23.8			2.0	50042386	50042378	50000420				51300430	51300430	50339672	50253417
25.4		ISO 25	2.0	50039865	50351648	50000420				51300430	51300430	50339672	50206702
27.0			2.0	50042408	50042424	50000420				51300430	51300430	50339672	50253425
28.3	Pg 21		3.5	51040080	51069720	50040405				51300430	51300430	50339672	50225642
28.3	Pg 21		2.0	50368826	50320068	50000420				51300430	51300430	50339672	50369105
28.6			2.0	50039903	50039911	50000420				51300430	51300430	50339672	50206710
30.5			1.5	50362828	50362798	50000420				51300430	51300430	50339672	50365061
31.8			1.5	50040022	50040030	50000420				51300430	51300430		50206737
32.5	Pg 32		3.5	50244590	50351680	50040405				50318721	50318721		50244760
33.4			1.5	50065874	50065866	50000420				50318721	50318721		50253441
34.6			3.5	50040103	50040111	50040405				50318721	50318721		50225650
34.9			3.5	50047345	50047353	50040405				50318721	50318721		50254278
37.0	Pg 29		3.5	50183311	50320084	50040405				50318721	50318721		50188909
38.1			3.5	50047361	50070444	50040405				50318721	50381721		50254286
40.5		ISO 40	3.5	50244620	50351591	50040405				80318721	50381721		50244779



Punch size			Max. Material thickness mm	Individual parts for manual operation					Draw studs + Accessories for hydraulic units				Complete unit	
True dimension	Standard size			mm (St37)	Punch	Die	Draw stud with ball bearing	Ball bearing nut	Spacer	Draw studs		Accessories		Part No.
	mm	Pg	ISO							Hand hydraulic 7804E, 7904E	Battery powered punch LS 50 FLEX LS 60 L	Hydr. pump 50159062 50250973	Adapter sleeves 19,0 / 28,6	
41.3			3.5	50042513	50042505	50040405			50318721		50381721		50253492	
43.2			3.5	51069740	50040138	50040405			50318721		50318721		50225669	
44.5			3.5	50042572	50042564	50040405			50318721		50318721		50253506	
47.0			3.5	50176870	51320090	50040421			50318721		50318721		50188917	
47.6			3.5	50042483	50042491	50040421			50318721		50318721		50253514	
49.6			3.5	50069780	50040618	50040421			50318721		80318721		50225677	
50.8		ISO 50	3.5	50042327	50351613	50040421			50318721		50318721		50206761	
54.0	Pg 42		3.5	50042459	50361732	50040421			50318721		50318721		50206788	
57.2			3.5	50040588	50040596	50040421			50318721		50318721		50253603	
60.0	Pg 48		3.5	50176900	50320114	50040421			50318721		50318721		50188925	
61.5			3.5	50040626	50040634	50040421			50318721		50318721		50225685	
63.5		ISO 63	3.5	50042343	50042335	50041886			50318721		50318721		50206796	
66.7			3.5	50042521	50069977	50041886	50041878				52045040	52045040	50212141	
69.9			3.5	50042475	50042467	50041886	50041878				52045040	52045040	50253611	
70.6			3.5	50024450	50024434	50040421	50041878				52045040	52045040	50253832	
74.0			3.5	50041754	50041770	50041886	50041878				52045040	52045040	50199757	
76.2			3.5	50042599	50042580	50041886	50041878				52045040	52045040	50253727	
79.4			3.5	50063634	50063626	50041886	50041878				52045040	52045040	50254030	
82.0			3.5	50189050	50189069	50041886	50041878				52045040	52045040	50186353	
89.8			3.5	50041800	50041835	50041886	50041878				52045040	52045040	50199765	
95.3			3.5	50052659	50052667	50041886	50041878				52045040	52045040	50212168	
102.7			3.5	50046535	50046527	50046799	50046853	50046861			52045040	52045040	50031708	50199773
115.4			3.5	50046551	50046543	50046799	50046853	50046861			52045040	52045040	50031708	50199781
120.0			3.5	50214896	50214918	50046799	50046853	50046861			52045040	52045040	50031708	50215191
143.7			3.5	50054473	50054481	50046799	50046853	50046861			52045040	52045040	50031708	50199803





Punching

Round and special shape punches

Slug Buster® punch system



- ▶ For quick, clean, effortless and burr-free holes
- ▶ Split slugs fall free and can be removed easily

Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual / hydraulic

Predrilling






- Draw stud 9.5 mm dia., pilot drill 9.7 mm diameter 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm diameter 50344030

Scope of supply

- Complete system including punch, die and draw stud for manual operation

Additional information

- 50042181 Draw stud without ball-bearing

Punch size			Max. Material thickness	Individual parts for manual operation			Draw studs + Accessories for hydraulic units		Complete unit
True dimension	Standard size								
mm	Pg	ISO	mm (St37)	Punch	Die	Draw stud with ball bearing	Hand hydraulic 7804E 7904E	Battery powered punch LS 50 FLEX LS60 L	Part No.
12.5	Pg 7	ISO 12	1.5	50067281	50067290	50042181			50067273
15.2	Pg 9		2.0	50319698	50320025	50000420	51300430	51300430	50319892
16.2		ISO 16	2.0	50351630	50351621	50000420	51300430	51300430	50351770
18.6	Pg 11		2.0	50319701	50320033	50000420	51300430	51300430	50319906
20.4	Pg 13	ISO 20	2.0	50319710	50320041	50000420	51300430	51300430	50319914
22.5	Pg 16		2.0	50317563	51147220	50000420	51300430	51300430	50319620
25.4		ISO 25	2.0	50351656	50351648	50000420	51300430	51300430	50351788
28.3	Pg 21		3.0	50317571	50069721	50040405	50318721	52045040	50319639
28.3	Pg 21		2.0	50319736	50320068	50000420	51300430	51300430	50319930
30.5			2.0	50362844	50362798	50000420	51300430	51300430	50365088
30.5			3.5	50602373	50362780	50040405	50318721	52045040	50602462
32.5		ISO 32	3.5	50351699	50351680	50040405	50318721	52045040	50351796
34.6			3.5	50317580	50040111	50040405	50318721	52045040	50319647
37.0	Pg 29		3.5	50319752	50320084	50040405	50318721	52045040	50319957
40.5		ISO 40	3.5	50351583	50351591	50040405	50318721	52045040	50351800
43.2			3.5	50317598	50040138	50040405	50318721	52045040	50319655
47.0	Pg 36		3.5	50319760	51320090	50040421	50318721	52045040	50319965
49.6			3.5	50317601	50040618	50040421	50318721	52045040	50319663
50.8		ISO 50	3.5	50351605	50351613	50040421	50318721	52045040	50351818
54.0	Pg 42		3.5	50361724	50361732	50040421	50318721	52045040	50361716
60.0	Pg 48		3.5	50319787	50320114	50040421	50318721	52045040	50319981
61.5			3.5	50317610	50040634	50040421	50318721	52045040	50319671
64.0		ISO 63	3.5	50351672	50351664	50040421	50318721	52045040	50351826



SLUG SPLITTER[®] punch system (stainless steel)



- ▶ Special alloy for maximum service life
- ▶ Split slugs fall free and can be disposed of easily

Suitable for

- Stainless steel (V2A), mild steel (St37), plastic and aluminium up to 3.5 mm thick

Operation

- Hydraulic

Predrilling




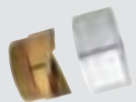
- Draw stud 11.1 mm dia., pilot drill 12.7 mm diameter 50344102
draw stud 19.0 mm dia., pilot drill 20.5 mm diameter 50344030

Scope of supply

- Complete system including punch and die

Additional information

- * = Slug Splitter SC[®] - self-centring

Punch size			Max. Material thickness	Individual parts for manual operation		Draw studs	Complete unit
True dimension	Standard size						
mm	Pg	ISO	mm (V2A)	Punch	Die	Pump, hand and battery powered	Part No.
15.2	Pg 9		2.5	50311174	50311263	50294512	50069519
16.2		ISO 16	2.5	50045997	50045989	50294512	50069527
18.6	Pg 11		2.5	50311190	50311280	50294512	50069535
20.4	Pg 13	ISO 20	2.5	50311204	50311298	50294512	50069543
22.5	Pg 16		3.5	50281542	50281550	50294512	50069551
25.4		ISO 25	3.5	50046020	50046012	50294512	50069560
28.3	Pg 21		3.5	50281569	50281577	50294520	50069578
30.5			3.5	50364901	50364898	50294520	50069586
32.5		ISO 32	3.5	50046055	50046039	50294520	50069594
34.6			3.5	50281585	50281593	59294520	
37.0	Pg 29		3.5	50311220	50311352	50294520	50069608
40.5		ISO 40	3.5	50046080	50046071	50294520	50069616
43.2			3.5	50281607	50281615	50294520	
47.0	Pg 36		3.5	50311239	50311310	50294520	50069624
49.6			3.5	50281623	50281631	50294520	
50.8		ISO 50	3.5	50046110	50046098	50294520	50069632
54.0	Pg 42		3.5	50311247	50311328	50294520	50069640
60.0	Pg 48		3.5	50311255	50311336	50294520	50069659
61.5			3.5	50281658	50281666	50294520	
64.0		ISO 63	3.5	50046144	50046136	50294520	50069667



Punching

Round and special shape punches

Speed Punch™ punch system



- ▶ Innovative threadless punch profile
- ▶ Easy and quick handling as the screwing and unscrewing of the counter nut is not required

Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Hydraulic

Predrilling

- Draw stud 9.5 mm dia.; pilot drill 9.7 mm dia.
draw stud 19.0 mm dia.; pilot drill 20.5 mm dia.

Scope of supply

- Complete system including punch and die

Additional information

- Counter nuts and draw studs must be ordered separately, they are not included in scope of supply

Punch size			Max. Material thickness	Individual parts		Draw studs	Speed lock	Complete unit (Punch and die)
True dimension	Standard size							
mm	PG	ISO	mm (St37)	Punch	Die	(not included)	(not included)	Part No.
16.2		ISO 16	3.5	52066021	52066022	52066001	52066002	52055431
20.4	PG 13	ISO 20	3.5	52066023	52066024	52066001	52066002	52055432
22.5	PG 16		3.5	52065998	52065999	52066001	52066002	52055433
25.4		ISO 25	3.5	52066025	52066026	52066001	52066002	52055434
32.5		ISO 32	3.5	52066027	52066028	52047818	52047817	52055435
40.5		ISO 40	3.5	52066029	52066030	52047818	52047817	52055436
50.8		ISO 50	3.5	52066031	52066032	52047818	52047817	52055437
64.0		ISO 63	3.5	52066033	52066034	52047818	52047817	52055438

Accessories	Part No.	Page
Speed Lock und Draw studs 9.5 mm für ISO 16/20/25 und PG 16	52055439	
Speed Lock und Draw studs 19.0 mm für ISO 32/40/50/63	52055440	



Draw studs with manual drivers

► High wear resistance

Order info

- To increase the service life, we recommend greasing the draw studs with Greenlee installation paste no. 50115472
- Sizes given are diameter x length
- Subject to tolerance deviations



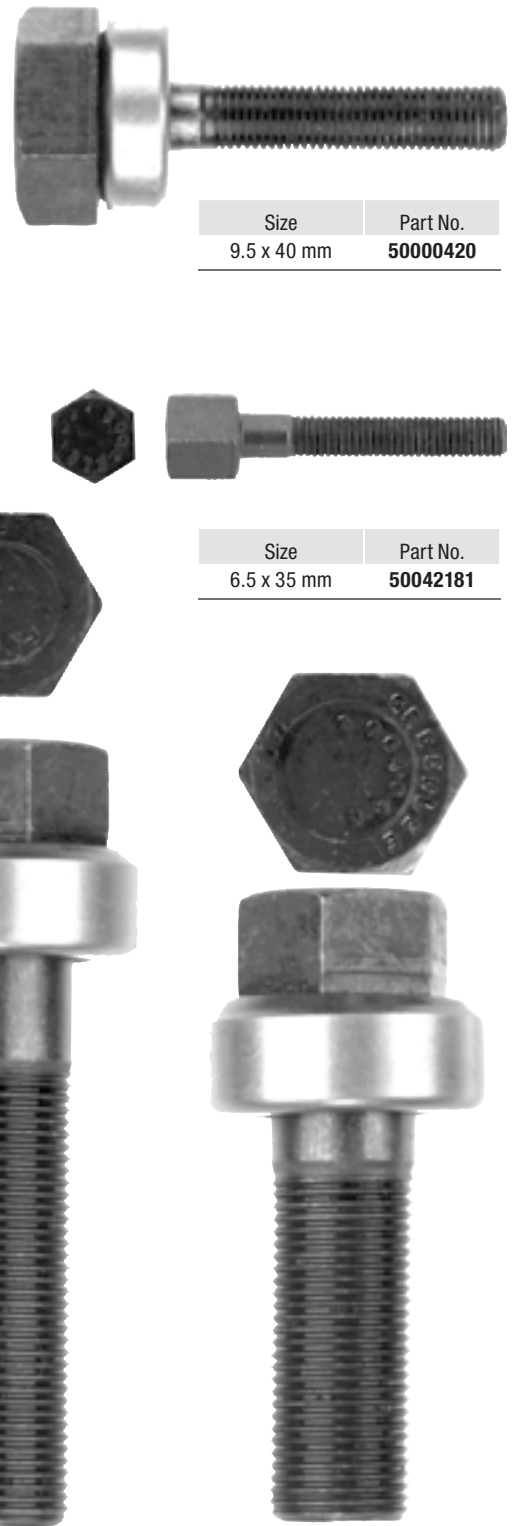
Size	Part No.
28.6 x 190 mm	50046799



Size	Part No.
19 x 140 mm	50041886



Size	Part No.
19 x 75 mm	50040421



Size	Part No.
19 x 55 mm	50040405

Size	Part No.
9.5 x 40 mm	50000420

Size	Part No.
6.5 x 35 mm	50042181





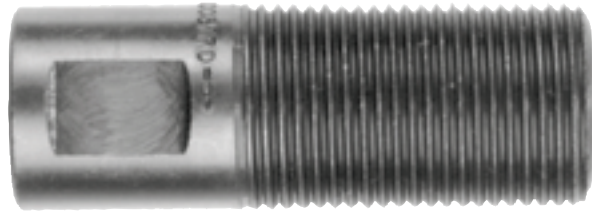
Punching

Round and special shape punches

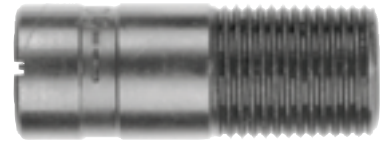
Draw studs for hydraulic drivers

Order info

- To increase the service life, we recommend greasing the draw studs with Greenlee installation paste no. 50115472
- Sizes given are diameter x length
- Subject to tolerance deviations



Size	Part No.
28.6 x 76 mm	50031708



Adapter

Size	Part No.
19 x 48 mm (Innen 9.5 mm)	50339672
19 x 48 mm (Innen 6.3 mm)	50601148
19 x 48 mm (Innen 12.7 mm)	50601679



Size	Part No.
9.5 x 71 mm	51300430



Size	Part No.
19 x 105 mm	50318721



Size	Part No.
19 x 140 mm for Slug Splitter®	50294520



Size	Part No.
11.1 x 108 mm for Slug Splitter®	50294512



Size	Part No.
9.5 mm to 19 mm, 122 mm	52042827



Rectangular punch



Suitable for

- Mild steel (St37), plastic and aluminium to 3.0 mm and V2A 1.5 mm
- Punching of burr-free openings

Operation

- Manual / hydraulic

Predrilling






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

Scope of supply

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

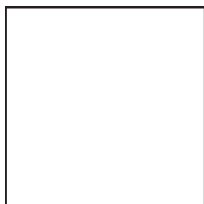
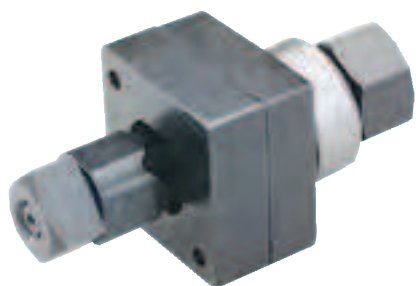
Additional information

- * = only for use with hydraulic punch drivers 50159062, 50250973, LS60L and LS50FLEX
- ** = only for use with hydraulic punch drivers 50159062, 50250973 and LS50FLEX

Punch size A x B	Max. Material thickness	Operating mode	Individual parts f. manual operation					Adapter for hydr. punch driver	Mounting hole-dia.	Complete unit
										
mm	mm (St37)		Punch	Die	Draw studs	Ball bearing nut	Counter nut	Part No.	mm	Part No.
11.1 x 22.2	1.5	Hand/hydr.	50600265	50600273	50601156	50601202	50052446	50601148	9.7	50600257
17.0 x 19.0	2.0	Hand/hydr.		50600303	52020113	50347330	50046381	50339672	12.7	50610281
19.1 x 29.0	2.0	Hand/hydr.	50600320	50600338	50601172	50601652	50602586	50601679	15.9	50600311
19.1 x 33.3	2.0	Hand/hydr.	50600354	50600362	50601172	50601652	50602586	50601679	15.9	50600346
21.9 x 25.9	2.0	Hand/hydr.	50600389	50600397	50601172	50601652	50602586	50601679	15.9	50600370
22.0 x 30.0	2.0	Hand/hydr.	50600419	50600427	50601172	50601652	50602586	50601679	15.9	50600400
22.0 x 42.0	2.0	Hand/hydr.	50600451	50600460	50601172	50601652	50602586	50601679	15.9	50600435
25.1 x 29.0	2.0	Hand/hydr.	50600486	50600494	50601172	50601652	50602586	50601679	15.9	50600478
31.8 x 35.1	2.0	Hand/hydr.	50600516	50600524	50601172	50601652	50602586	50601679	15.9	50600508
29.0 x 71.0	3.0	Hydr.			52045298		52045300		28.6	52045296
30.0 x 90.0	3.0	Hydr.			52045298		52045300		28.6	52045297
33.3 x 66.7	3.0	Hydr.	50600540	50600559	50601180		50602357		30.2	50600532
35.0 x 52.0	3.0	Hydr.	50600575	50600583	50601180		50602357		30.2	50600567
35.0 x 65.0	3.0	Hydr.	50600605	50600613	50601180		50602357		30.2	50600591
35.0 x 82.0	2.0	Hydr.*	50600630	50600648	50601180		50602357		30.2	50600621
35.0 x 112.0	2.0	Hydr.*	50600664	50600672	50601180		50602357		30.2	50600656
46.0 x 92.0	3.0	Hydr.*	50600699	50600702	50601180		50602357		30.2	50600680
57.2 x 88.9	3.0	Hydr.*	50600729	50600737	50601180		50602357		30.2	50600710
68.0x138.0	2.0	Hydr.**	50600753	50600761	50601180		50602357		30.2	50600745



Square punch



Suitable for

- Mild steel (St37), plastic and aluminium to 3.0 mm and V2A 1.5 mm
- Punching of burr-free openings

Operation

- Manual / hydraulic

Predrilling

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

Scope of supply

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

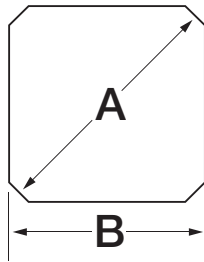
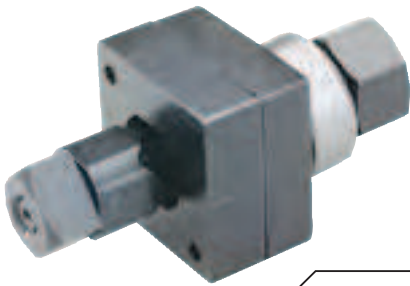
Additional information

- * = only for use with hydraulic punch drivers 50159062, 50250973, LS60L and LS50FLEX
- ** = only for use with hydraulic punch drivers 50159062 and 50250973

Punch size A x B	Max. Material thickness	Operating mode	Individual parts for manual operation					Adapter for hydr. punch driver	Mounting hole-dia. mm	Complete unit
mm	mm (St37)		Punch	Die	Draw studs	Ball bearing nut	Counter nut	Part No.	mm	Part No.
12.7 x 12.7	1.5	Hand/hydr.	50600028	50600036	50601156	50601202	50052446	50601148	9.5	50600010
15.9 x 15.9	2.0	Hand/hydr.			52020113	50347330	50046381	50339672	12.7	50610045
19.1 x 19.1	2.0	Hand/hydr.	50600087	50600095	52020113	50347330	50046381	50339672	12.7	50610076
22.4 x 22.4	2.0	Hand/hydr.			52020113	50347330	50046381	50339672	12.7	50610106
24.0 x 24.0	2.0	Hand/hydr.	50600141	50600150	52020113	50347330	50046381	50339672	12.7	50610137
25.4 x 25.4	2.0	Hand/hydr.	50600176	50600184	50601172	50601652	50602586	50601679	15.9	50600168
45,0 x 45,0	3.0	Hydr.	50767640	50767657	52046100		52046101		30.2	50115723
46.0 x 46.0	3.0	Hydr.	50600206	50600214	50601180		50602357		30.2	50600192
50.8 x 50.8	3.0	Hydr.	50601695	50601709	50601180		50602357		30.2	50601687
68.0 x 68.0	3.0	Hydr.	52055423	50601733	50601180		50602357		30.2	50601717
92.0 x 92.0	3.0	Hydr.*		50601768	50601180		50602357		30.2	50601741
104.8 x 104.8	2.0	Hydr.*	50601784	50601792	50601180		50602357		30.2	50601776
138.0 x 138.0	2.0	Hydr.**	50600230	50600249	50601180		50602357		30.2	50602349



Special square punch with flattened corners



Suitable for

- Mild steel (St37), plastic and aluminium to 2.0 mm
- Punching of burr-free openings

Operation

- Manual / hydraulic

Predrilling

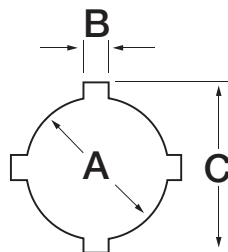
- 12.7 mm dia pilot drill 50344102

Scope of supply

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

Punch size A x B	Max. Material thickness	Operating mode	Individual parts for manual operation					Adapter for hydr. punch driver	Mounting hole-dia. mm	Complete unit
			Punch	Die	Draw studs	Ball bearing nut	Counter nut			
mm	mm (St37)							Part No.	mm	 Part No.
22.5 x 20.1	2.0	Hand/hydr.	50611264	50601271	52020113	50347330	50046381	50339672	12.7	50611257

Round punch with four anti-rotation tabs



Suitable for

- Mild steel (St37), plastic and aluminium to 3.0 mm

Operation

- Manual / hydraulic

Predrilling

- 15.9 mm dia. pilot drill 50344030

Scope of supply

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

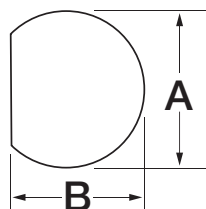
Punch size A x B x C	Max. Material thickness	Operating mode	Individual parts for manual operation					Adapter for hydr. punch driver	Mounting hole-dia. mm	Complete unit
			Punch	Die	Draw studs	Ball bearing nut	Counter nut			
mm	mm (St37)							Part No.	mm	 Part No.
22.5 x 3.2 x 25.4	2.0	Hand/hydr.	50602390	50602500	50601172	50601652	50602586	50601679	15.9	50602381
30.5 x 4.8 x 36.0	3.0	Hand/hydr.	50602438	50602497	50601172	50601652	50602586	50601679	15.9	50602420



Punching

Round and special shape punches

„D“ shaped punch



Suitable for

- Mild steel (St37), plastic and aluminium to 2.0 mm

Operation

- Manual / hydraulic

Predrilling

- 12.7 dia. mm pilot drill 50344102

Scope of supply

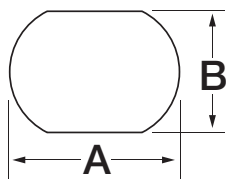
- Punch unit including punch, die, draw stud, counter nut and ball-bearing nut

Additional information

- * 50610809 and 50610830 available only as punch unit

Punch size A x B	Max. Material thickness	Operating mode	Individual parts for manual operation					Adapter for hydr. punch driver	Mounting hole-dia. mm	Complete unit
			Punch	Die	Draw studs	Ball bearing nut	Counter nut			
mm	mm (St37)							Part No.	mm	Part No.
12.7 x 11.9	2.0	Hand/hydr.	50600788	51600790	50601156	50601202	50052446	50601148	9.5	50600770
15.9 x 15.1	2.0	Hand/hydr.			50344218	50347330	50046381	50339672	12.7	50610809
19.1 x 17.9	2.0	Hand/hydr.			50344218	50347330	50046381	50339672	12.7	50610830

Double „D“ shaped punch



Suitable for

- Mild steel (St37), plastic and aluminium to 2.0 mm

Operation

- Manual / hydraulic

Predrilling

- 15.9 mm dia. pilot drill 50344030

Scope of supply

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

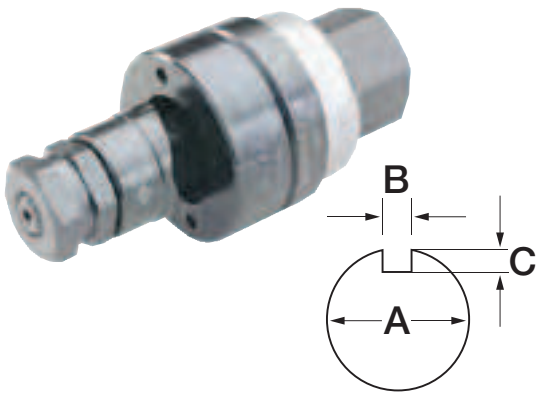
Additional information

- All punches available only as punch unit

Punch size A x B	Max. Material thickness	Operating mode	Individual parts for manual operation					Adapter for hydr. punch driver	Mounting hole-dia. mm	Complete unit
			Punch	Die	Draw studs	Ball bearing nut	Counter nut			
mm	mm (St37)							Part No.	mm	Part No.
19.5 x 16.3	2.0	Hand/hydr.			52020113	50347330	50046381	50339672	12.7	50610861
20.2 x 17.6	2.0	Hand/hydr.			52020113	50347330	50046381	50339672	12.7	50610892
23.2 x 19.2	2.0	Hand/hydr.			52020113	50347330	50046381	50339672	12.7	50610922
23.2 x 20.2	2.0	Hand/hydr.			52020113	50347330	50046381	50339672	12.7	50610953
34.9 x 28.6	2.0	Hand/hydr.			50601660	50601652	50602586	50601679	23.8	50600982



Keyway punch



Suitable for

- Mild steel (St37), plastic and aluminium to 2.0 mm

Operation

- Manual / hydraulic

Predrilling

- 23.8 mm dia. pilot drill 50300083

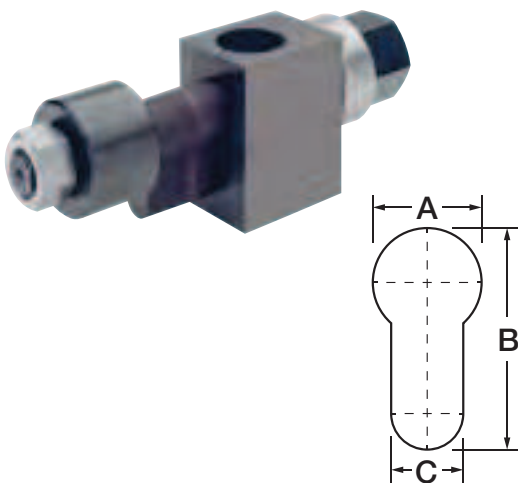
Scope of supply

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

Punch size A x B x C	Max. Material thickness	Operating mode	Individual parts for manual operation					Adapter for hydr. punch driver	Mounting hole-dia. mm	Complete unit
			Punch	Die	Draw studs	Ball bearing nut	Counter nut			
mm	mm (St37)							Part No.	mm	Part No.
12.2 x 1.4 x 0.8	1.5	Hand/hydr.	51601020	51601030	50601156	50601202	50052446	50601148	9.5	50601016
29.7 x 3.1 x 2.5	2.0	Hand/hydr.	51601050	51601060	50601660	50601652	50602586	50601679	23.8	50601040
32.1 x 4.0 x 2.5	2.0	Hand/hydr.	51601080	51601090	50601660	50601652	50602586	50601679	23.8	50601075
33.7 x 2.6 x 2.5	2.0	Hand/hydr.	51601110	50601121	50601660	50601652	50602586	50601679	23.8	50601105

4

Profile cylinder punch



Suitable for

- Mild steel (St37) up to 2.0 mm and aluminium up to 3.5 mm thick

Operation

- Manual / hydraulic

Predrilling

- 12.7 mm dia. pilot drill 50344102

Scope of supply

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

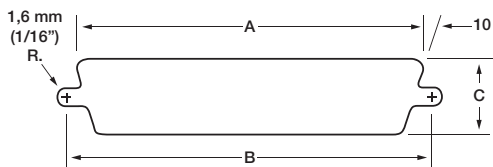
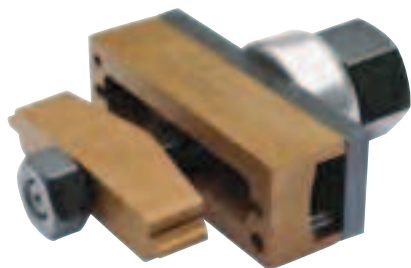
Punch size A x B x C	Max. Material thickness	Operating mode	Individual parts for manual operation					Adapter for hydr. punch driver	Mounting hole-dia. mm	Complete unit
			Punch	Die	Draw studs	Ball bearing nut	Counter nut			
mm	mm (St37)							Part No.	mm	Part No.
17.0 x 33.3 x 10.5	2.0	Hand/hydr.	50053027	50053035	50053043	50347330	90500113	50053051	12.7	50053078



Punching

Round and special shape punches

Sub-Min „D“ punch



Suitable for

- Mild steel (St37) up to 2.0 mm and aluminium up to 3.5 mm thick
- Front or rear mounting

Operation

- Manual / hydraulic

Predrilling

- 12.7 mm dia. pilot drill 50344102

Scope of supply

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

Standard	Number Pole	Operating mode	Dimension			Individual parts for manual operation			Adapter for hydr. punch driver	Complete unit
			A mm	B mm	C mm	Draw studs	Ball bearing nut	Counter nut		
229	9	Hand/hydr.	20.0	24.9	11.9	52020113	50347330	50046381	50339672	50344366
231	15	Hand/hydr.	28.6	33.3	11.9	52020113	50347330	50046381	50339672	50344374
RS232	25	Hand/hydr.	42.0	47.1	11.9	52020113	50347330	50046381	50339672	50344200
234	37	Hand/hydr.	58.3	63.4	11.9	52020113	50347330	50046381	50339672	50344293
238	50	Hand/hydr.	55.9	61.0	14.7	52020113	50347330	50046381	50339672	50344447



Special shape punch for heavy duty connectors with 4 centre mark points



Characteristics

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

Suitable for

- Mild steel (St37) to 3.0 mm thick and aluminium to 3.5 mm

Operation

- Hydraulic

Predrilling

- 30.2 mm dia. pilot drill 50364146

Scope of supply

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

Item	Punch size A x B mm	Max. Material thickness mm	Operating mode	Individual parts for manual operation		Mounting hole-dia. mm	Complete unit Part No.
				Draw studs	Counter nut		
Special shaped punch for heavy duty connectors, 6-pin, 36 x 52 mm	36.0 x 52.0	3.0	Hydraulic	52046100	52046101	30.2	52033816
Special shaped punch for heavy duty connectors, 10-pin, 36 x 65 mm	36.0 x 65.0	3.0	Hydraulic	52046100	52046101	30.2	52033817
Special shaped punch for heavy duty connectors, 16-pin, 36 x 86 mm	36.0 x 86.0	3.0	Hydraulic	52046100	52046101	30.2	52033818
Special shaped punch for heavy duty connectors, 24-pin, 36 x 91 mm	36.0 x 91.0	3.0	Hydraulic	52046100	52046101	30.2	52033819
Special shaped punch for heavy duty connectors 36 x 112 mm	36.0 x 112.0	3.0	Hydraulic	52046100	52046101	30.2	52033820
Special shaped punch for heavy duty connectors 46 x 86 mm	46.0 x 86.0	3.0	Hydraulic	52046100	52046101	30.2	52033831
Special shaped punch for heavy duty connectors 46 x 112 mm	46.0 x 112.0	3.0	Hydraulic	52046100	52046101	30.2	52033832
Special shaped punch HAN Yellock [®] 30 with 4 centre mark points 47.2 x 56.4 mm	47.2 x 56.4	3.0 / 3.0 VA	Hydraulic	52046100	52046101	30.2	52058591
Special shaped punch HAN Yellock [®] 30 with 4 centre mark points 47.2 x 85.5 mm	47.2 x 85.5	3.0 / 3.0 VA	Hydraulic	52046100	52046101	30.2	52058592



Punching

Round and special shape punches

Draw studs for shaped punch

Order info

- To increase the service life, we recommend greasing the draw studs with Greenlee installation paste no. 50115472
- Sizes given are diameter x length
- Subject to tolerance deviations



Size	Part No.
12.7 x 117 mm	50601660



Size	Part No.
12.7 x 117 mm	50601172



Size	Part No.
9.5 x 93 mm	50601130



Size	Part No.
9.5 x 95 mm	51601160



Size	Part No.
9.5 x 88 mm	52020113



Size	Part No.
6.3 x 87 mm	50601156



Size	Part No.
19 x 171 mm	50601180



Size	Part No.
9.5 x 135 mm	50053043



SAVE TIME AND MONEY - WITH EVERY PUNCH!

From the leaders in knockout technology comes the new SPEED PUNCH™ System. The patent pending “no-thread” design eliminates cross-threading, while the innovative SPEED LOCK mechanism quickly secures the punch in place. This means longer tool life and faster punches, saving you time and money on the job. SPEED PUNCH™ is available in ISO 16 to ISO 63 and PG 16 metric sizes and two kit configurations.



**UP TO
3X
FASTER**

**SPEED
PUNCH**

▶ Speed Punch - saves time and money

- SPEED LOCK mechanism quickly secures the entire system in place: Punch more holes in less time.
- “No-thread” punch design quickly and easily slides on/off draw stud.
- The fastest punch system on the market today.
- Matched die heights eliminate need for additional spacers.
- Fewer extra parts to lose on the job site.
- No more thread damage and costly down time.

▶ Simplified punching processes

- Standard draw stud end
- Works with your existing hydraulic and battery-operated punch drivers.

LS50 FLEX

- ▶ In combination with the hydraulic punching tool LS 50 Flex it represents the state of the art in performance and speed.





THE ADVANTAGE IN PUNCHING - PUNCHING TOOLS AND SETS

Greenlee punching tools are quick. No matter whether for straight punchings in steel (St37) and stainless steel or confined areas with swivelling head: Greenlee equips you with the right set for every situation. Combined with the Speed Punch, the quickest and most-efficient punching system in our range puts you in pole position. Take the lead in punching!

**NEXT
GENERATION**



In brief

- ▶ Always ready for use due to short battery-charging times
- ▶ Heads rotatable through 360° for optimised work ergonomics
- ▶ No fatigue due to low weight
- ▶ 3x quicker punching with the Speed Punch system



► **The fast one: LS 50 FLEX**

The LS 50 FLEX is not just fast. It is integrally designed and produced. It is fully re-charged and ready for use in just 22 minutes. Ergonomic design and a balanced centre of gravity support you when working over long periods of time. The head rotates through 360° and reliably punches in confined areas. Combine the LS 50 FLEX with the Speed Punch system for even faster operations. There's no faster punching than this.

- Can be used for steel (St37) and stainless steel
- Ergonomic design for effortless operations
- Automatic final switch-off for even longer service life of the hole punch
- 22 min. to recharge the battery
- Integrated LED illuminates the work position
- Head rotates through 360°
- Can be combined with Speed Punch punch system for maximum punch speed



Speed Punch video:
youtube.com/watch?v=0LJ7mHEgeow



► **Speed Punch set**

Punching is up to three times quicker with the Speed Punch. The threadless stamp profile can be quickly replaced via a clamp technology - no more screwing the counter nut on and off. The set contains everything you need for the Speed Punch.

- Speed Punch set ISO 16 - 63, including accessories for hydraulic activation
- For all standard steel sheet
- High-quality plastic transport case for optimum product protection

► **Slug Buster[®] set ISO 16 - 40**

The Slug Buster from Greenlee separates the punch remnants automatically so that they fall from the die by themselves. No jamming or time-consuming removal of the punch remnants. The set comprises all components of the punching system.

- Slug Buster system including accessories
- Including ratchet wrench for manual activation
- Pilot drill included
- High-quality plastic transport case for optimum product protection



Speed Nut complete set



▶ Up to 3-times faster than conventional punching tools

Characteristics

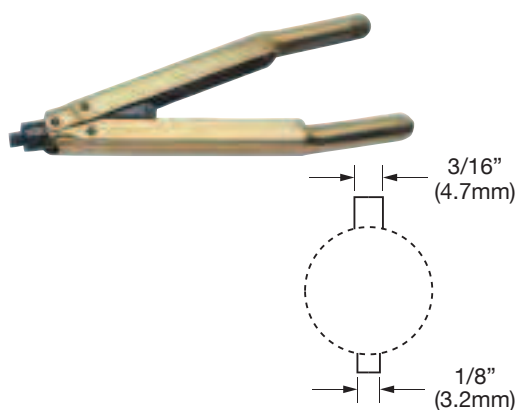
- Compatible with all Greenlee hand-operated and battery powered hydraulic punches
- Easy and quick handling as the screwing up and screwing down of the counter nut is not required

Suitable for

- Square punches from 46 x 46 mm and rectangular punches from 33.3 x 66.7 mm

Item	Part No.	
Speed Nut complete set	SLSN34	
Scope of supply	Part No.	Page
Speed Nut draw stud	SLSNDS34	
Quick-action bayonet coupling	SLSNN34	

Keyway punch



▶ Time-saving punching of slots for anti-twist protected parts
 ▶ Long service life

Suitable for

- Mild steel (St37) to 3 mm thick
- Manual operation

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

Hydraulic punch driver Quick Draw™ 7804E



▶ Ideal for fast, straight-on front panel punching
 ▶ Compact design
 ▶ Very robust

Characteristics

- Hand hydraulic punch driver with straight 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 dia.)

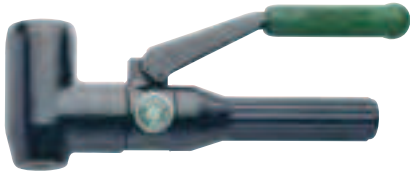
Additional information

- Accompanying draw studs to 64 mm ST37 are suitable

Technical data		
Dimension	321 x 110 x 70 mm	
Punching force	80 kN	
Weight	2.5 kg	
Item	Part No.	
Quick Draw™ 7804E	50342916	
Scope of supply	Part No.	Page
Hand hydraulic punch 7804E	50342886	
Draw stud for punch with hydraulic operation 9.5 x 71 mm	51300430	
Draw stud for hydraulic operation 19.0 x 105 mm	50318721	
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	426
Plastic case	50352024	



Hydraulic punch Quick Draw 90™ 7904E



- ▶ Ideal for fast, straight-on front panel punching
- ▶ Head rotates 180° for maximum flexibility
- ▶ Very robust

Characteristics

- Compact design
- Hand 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 dia.)

Additional information

- Accompanying draw studs to 64 mm ST37 are suitable

Technical data		
Dimension	312 x 110 x 65 mm	
Punching force	80 kN	
Weight	3.4 kg	
Item	Part No.	
Quick Draw 90™ 7904E	50342991	
Scope of supply	Part No.	Page
Hand hydraulic punch 7904E	50337866	
Draw stud for punch with hydraulic operation 9.5 x 71 mm	51300430	
Draw stud for hydraulic operation 19.0 x 105 mm	50318721	426
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	426
Plastic case	50352024	

Manual hydraulic punch



- ▶ Flexible head for multi-purpose use even in confined areas

Characteristics

- Rotatable/Swivel

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 dia.)

Additional information

- Hand-operated hydraulic punch incl. draw stud, pilot drill and spacer in plastic case
- Without hole
- Accompanying draw studs to 64 mm ST37 are suitable

Technical data		
Dimension	340 x 150 x 85 mm	
Punching force	80 kN	
Weight	2.2 kg	
Revolving/rotatable	360°	
Item	Part No.	
Manual hydraulic punch	52033843	
Scope of supply	Part No.	Page
Draw stud for hydraulic operation 9.5 mm to 19 mm, 122 mm	52042827	
HSS Co5 step bit	52049371	
Spacer, short	50032488	
Plastic case		



LS 60-L Battery powered hydraulic punching tool



- ▶ High flexibility using rotating head
- ▶ Automatic stop makes the punching tools last longer
- ▶ Lithium-ion technology allows long operating times and short recharging times

Characteristics

- Electronic control and monitoring of operation
- Simple and safe: One-button operating concept for controlling all tool functions
- Comfortable and secure one-hand operation thanks to 2-component plastic housing with soft grips
- Balanced centre of gravity for easy handling and effortless operations
- LED for work area illumination
- Powerful 18 V Li-Ion battery - high capacity, short charging time
- Energy saving function with motor cut-out after successful operation
- Manual retract as required
- Multifunction LED for maintenance display and charge status display of the battery
- Environmentally-friendly hydraulic oil, quickly biodegradable

Suitable for

- A punch size from 104.8 x 104.8 mm
- Round punch up to 95.3 mm

Technical data	
Punching force	60 kN
Weight	4.0 kg
Battery capacity	RAL2 / BL1830: 3 Ah
Charging time	RAL2 / BL1830: 22 min.
Punching time	5 s at 22.5 mm dia., 3 mm mild steel 12 s at 61.5 mm dia., 3 mm mild steel
Ambient temperature	-15 °C up to +40 °C
Head outside diameter	73 mm
Dimensions	325 x 285 x 80 mm
Punching capacity	90 punches/battery at 22.5 mm dia. and 3.5 mm mild steel 170 punches/battery at 2.,5 mm dia. and 3.5 mm mild steel 250 punches/battery at 22.5 mm dia. and 2.5 mm mild steel

Item	Part No.	
LS 60-L Battery powered hydraulic punching tool	LS60L	
Scope of supply	Part No.	Page
Draw stud for punch with hydraulic operation 9.5 x 71 mm	51300430	
Draw stud for hydraulic operation 19.0 x 105 mm	50318721	426
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	426
HSS Co5 step bit	52049371	
KKLS60LGL Plastic case	KKLS60LGL	
Makita quick-charger for 18 V Li-Ion battery	LGL1	494
Makita battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	RAL2	491
Accessories	Part No.	Page
18 V mains adapter for 230 V Voltage	NG2230	376



Punching

Punching tools and sets

EK 120 UNV Battery-powered hydraulic universal tool 10 - 400 mm²

**NEXT
GENERATION**



- ▶ One head for crimping, cutting and punching - one tool for all
- ▶ Ideal in the assembly field where all common jobs can be carried out using one tool
- ▶ All tool data on view thanks to display and ipress app

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Universal head flip top style, rotatable
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Simple and safe: Automatic retraction when operation is complete
- Always ready-to-use thanks to battery charge and service display

Technical instructions

- Interchangeable adapters and dies for crimping, cutting and punching you will find on page 478



**K13
SERIE**

Technical data	
Crimping force	108 kN
Stroke	42 mm
Crimping range	10 - 400 mm ²
Crimping cycle	Depending on cable type
Cutting range	max. 40 mm dia.
Punching capacity	up to 144 mm dia. round, up to 138 x 138 mm square
Charging time	45 min.
Weight	6.5 kg
Ambient temperature	-10 °C up to +40 °C

Item	Part No. Bosch	Part No. Makita	
Battery-powered hydraulic universal tool 10 - 400 mm ²	EK120UNVCFB	EK120UNVCFM	
Scope of supply			Page
Bosch battery 18 V / 5.0 Ah, Li-Ion	RALB2EU		493
Bosch quick-charger for 18 V Li-Ion battery	LGLB1EU		494
Plastic case 450 x 370 x 105 mm	KK120UNVNG	KK120UNVNG	
Adapter for crimping dies	UA12TKL	UA12TKL	478





Hydraulic punch with hand pump



► Compact design

Characteristics

- With hand pump, hose and cylinder

Suitable for

- All punches up to 144.1 mm round and 138 x 138 mm square
- St37 up to 3.5 mm and 3.5 mm V2A (depending on punch size)

Operation

- Hydraulic

Additional information

- When used with Speed Punch use the following draw studs: 52066000 (to ISO 25), 50032488, 52058897 (from ISO 25)

Technical data		
Punching force	110 kN	
Weight	8.3 kg	
Item	Part No.	
Hydraulic punch with hand pump	50159062	
Scope of supply	Part No.	Page
Hydraulic cylinder	50170910	
Draw stud for hydraulic operation 9.5 mm to 19 mm, 122 mm	52042827	
Spacer, short	50032488	
Spacer bush, medium	51032490	
Spacer bush 38 mm, long	50069047	
Kwik Stepper™ step bit 12.7 mm	50344102	466
767 Hydraulic hand pump	50132849	490
Hydraulic hose 6.4 mm dia. x 0.9 m	50383167	498
Draw stud for hydraulic operation 19.0 x 137 mm	52045040	



Punching

Punching tools and sets

Hydraulic punch with foot pump



Characteristics

- With foot pump, hose and cylinder

Suitable for

- Up to 144.1 mm round and 138 x 138 mm square
- St37 up to 3.5 mm and 3.5 mm V2A (depending on punch size)

Operation

- Hydraulic

Additional information

- When used with Speed Punch use the following draw studs: 52066000 (to ISO 25), 50032488, 52058897 (from ISO 25)

Technical data		
Punching force	110 kN	
Weight	15.2 kg	
Item	Part No.	
Hydraulic punch with foot pump	50250973	
Scope of supply	Part No.	Page
Hydraulic cylinder	50170910	
Spacer, short	50032488	
Spacer bush, medium	51032490	
Spacer bush 38 mm, long	50069047	
Kwik Stepper™ step bit 12.7 mm	50344102	466
1725 Hydraulic foot pump	50313533	490
Hydraulic hose 6.4 mm dia. x 3 m	50377299	498
Draw stud for hydraulic operation 9.5 mm to 19 mm, 122 mm	52042827	
Draw stud for hydraulic operation 19.0 x 137 mm	52045040	

Thread grease



- ▶ Increases the service life
- ▶ Prevents "seizing"
- ▶ Screw and nut threads resistant to wear

Suitable for

- Statically and dynamically high stressed thread connections

Item	Part No.
Draw stud thread grease, 30 g	50115472



Portable C-frame punch driver, 15.2 - 34.6 mm



► Fast, one shot punching - no pre-drilling of pilot holes required

Additional information

- For actuation we recommend hydraulic foot pump 1725, Part No. 50313533, hand pump 767, Part No. 50132849 or pumps EHP4 and AHP700L
- When using the AHP700L adapter CMGSK is required

Technical data		
Throat	200 mm	
Weight	6.8 kg	
Punching capacity	up to 3 mm St37	
Punching range	15.2 - 34.6 mm	
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	
Punch 34.6 mm	50040103	
Die Pg 16 (22.5 mm)	50120875	
Die Pg 21 (28.3 mm)	50120867	
Die 34.6 mm	50120859	
Metal case	50166344	
Accessories	Part No.	Page
Punch Pg 9 (15.2 mm)	50213164	
Die Pg 9 (15.2mm)	50185578	
Punch Pg 11 (18.6 mm)	50177001	
Die Pg 11 (18.6 mm)	50185586	
Punch Pg 13 (20.4 mm)	50176978	
Die Pg 13 (20.4 mm)	50185594	
Punch 30.5 mm (oil-tight)	50362828	
Die 30.5 mm (oil-tight)	50371037	
Die ISO 16	50766421	
Die ISO 20	50766438	
Die ISO 25	50766445	
Die ISO 32	50766452	
Punch ISO 25	50039865	
Punch ISO 32	50244590	



Portable C-frame punch driver, 15.2 - 115.4 mm



Suitable for

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

Additional information

- For actuation we recommend hydraulic hand pump 755, Part No. 50156772 or pumps EHP4 and AHP700L
- When using the AHP700L adapter CMGSK is required

Technical data		
Throat	200 mm	
Weight	27 kg	
Punching capacity	up to 3 mm St37	
Punching range	15.2 to 115.4 mm	
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	
Hexagonal nut	90542657	
Metal case	50273353	
Accessories	Part No.	Page
Punch Pg 9 (15.2 mm)	50213164	
Die Pg 9 (15.2mm)	50185578	
Punch Pg 11 (18.6 mm)	50177001	
Die Pg 11 (18.6 mm)	50185586	
Punch Pg 13 (20.4 mm)	50176978	
Die Pg 13 (20.4 mm)	50185594	
Punch 30.5 mm (oil-tight)	50362828	
Die 30.5 mm (oil-tight)	50371037	
Die ISO 16	50766421	
Die ISO 20	50766438	
Die ISO 25	50766445	
Die ISO 32	50766452	
Punch ISO 25	50039865	
Punch ISO 32	50244590	



LSK 120 Hydraulic hole punching head - basic tool



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

Suitable for

- Aluminium, copper and steel with a tensile strength to 470 N/mm² to 10 mm thick
- Hole diameters: 6.5 - 17 mm
- Centric punching: 120 mm max. material width
- Drive with EHP 4 and AHP 700-L

Additional information

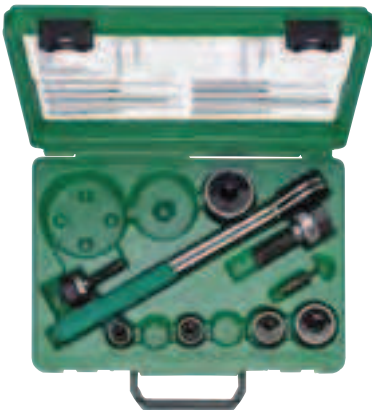
- Drive with EHP 4 and AHP 700-L available; adapter CMGSK required

Technical data

Max. operating pressure	max. 700 bar
Max. compressive force	160 kN
Dimension	234 x 174 x 88 mm
Weight	9.5 kg

Item	Part No.	
Hydraulic hole punching head LSK 120	50052110	
Accessories	Part No.	Page
Perforated die 6.5 mm dia.	50052276	480
Punch and die 8.5 mm dia.	50052284	480
Punch and die 11 mm dia.	50052292	480
Punch and die 13 mm dia.	50052306	480
Punch and die 15 mm dia.	50052314	480
Punch and die 17 mm dia.	50052322	480

Slug Buster® punch set for all applications from ISO 16 - 40



Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Item	Part No.	
Slug Buster® punch set ISO 16 to 40	50366920	
Scope of supply	Part No.	Page
Slug Buster® punch set ISO 16/20/25/32/40	50356178SET	454
Draw studs for manual operation 9.5 x 40 mm	50000420	423
Draw studs for manual operation 19.0 x 55 mm	50040405	423
Ratchet	50349414	
Kwik Stepper™ step bit 9.7 mm	50360183	466
Plastic case	50366858	



Punching

Punching tools and sets

Slug Buster® punch set for all applications from PG 9 to PG 21 and 30.5 mm



Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Item	Part No.	
Slug Buster® punch set PG 9 to PG 21 and 30.5 mm	50366904	
Scope of supply	Part No.	Page
Slug Buster® punch set PG 9 - 21, 30.5 mm	50323989SET	455
Draw studs for manual operation 9.5 x 40 mm	50000420	423
Ratchet	50349414	
Kwik Stepper™ step bit 9.7 mm	50360183	466
Plastic case	50366858	

Slug Buster® punch set for ISO 16 - 63



Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Item	Part No.	
Slug Buster® punch set ISO 16 to 63	50366939	
Scope of supply	Part No.	Page
Slug Buster® punch set ISO 16 - 63	50068920SET	454
Draw studs for manual operation 9.5 x 40 mm	50000420	423
Draw studs for manual operation 19.0 mm x 75 mm	50040421	423
Ratchet	50349414	
Kwik Stepper™ step bit 9.7 mm	50360183	466
Plastic case	50366858	



Slug Buster[®] punch set for all applications from PG 9 - 48 and 30.5 mm



Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Item	Part No.	
Slug Buster [®] punch set PG 9 to PG 48 and 30.5 mm	50366912	
Scope of supply	Part No.	Page
Draw studs for manual operation 9.5 x 40 mm	50000420	423
Draw studs for manual operation 19.0 x 55 mm	50040405	423
Ratchet	50349414	
Slug Buster [®] punch set PG 9 - 48, 30.5 mm	50328034SET	455
Plastic case	50366858	

Speed Punch[™] Set ISO 16 – 40



- ▶ Up to 3-times faster than conventional punching tools
- ▶ Easy and quick handling as the screwing and unscrewing of the counter nut is not required
- ▶ Compatible with all Greenlee hand-operated and battery powered hydraulic tools
- ▶ No greasing of the draw stud required

Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Hydraulic

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Scope of supply

- Complete system including draw stud, cramp, punch and die incl. plastic case

Item	Part No.	
Speed Punch [™] punch set ISO 16/20/25/32/40	52055439SET	
Scope of supply	Part No.	Page
Punch and die ISO 16 (16.2 mm)	52055431	422
Punch and die ISO 20 (20.4 mm)	52055432	422
Punch and die ISO 25 (25.4 mm)	52055434	422
Punch and die ISO 32 (32.5 mm)	52055435	422
Punch and die ISO 40 (40.5 mm)	52055436	422
Speed Lock and draw stud 9.5 mm for ISO 16/20/25 and PG 16	52055439	422
Speed Lock and draw stud 19.0 mm for ISO 32/40/50/63	52055440	422
Plastic case	KKSPISO16B63	
Accessories	Part No.	Page
Plastic case	KKSPISO16B63	



Speed Punch™ Set ISO 16 – 63



- ▶ Up to 3-times faster than conventional punching tools
- ▶ Easy and quick handling as the screwing and unscrewing of the counter nut is not required
- ▶ Compatible with all Greenlee hand-operated and battery powered hydraulic tools
- ▶ No greasing of the draw stud required

Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Hydraulic

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Scope of supply

- Complete system including draw stud, cramp, punch and die incl. plastic case

Item	Part No.	
Speed Punch™ Set ISO 16 – 63	52055440SET	
Scope of supply	Part No.	Page
Punch and die ISO 16 (16.2 mm)	52055431	422
Punch and die ISO 20 (20.4 mm)	52055432	422
Punch and die ISO 25 (25.4 mm)	52055434	422
Punch and die ISO 32 (32.5 mm)	52055435	422
Punch and die ISO 40 (40.5 mm)	52055436	422
Punch and die ISO 50 (50.8 mm)	52055437	422
Punch and die ISO 63 (64.0 mm)	52055438	422
Speed Lock and draw stud 9.5 mm for ISO 16/20/25 and PG 16	52055439	422
Speed Lock and draw stud 19.0 mm for ISO 32/40/50/63	52055440	422
Plastic case	KKSPISO16B63	
Accessories	Part No.	Page
Plastic case	KKSPISO16B63	



Slug-Splitter[®] punch set (stainless steel) ISO 16 - 40



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

Suitable for

- Stainless steel (V2A), mild steel (St37), plastic and aluminium up to 3.5 mm thick

Operation

- Hydraulic

Predrilling

- Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030
draw stud 11.1 mm dia., pilot drill 12.7 mm dia. 50344102

Item	Part No.	
Slug-Splitter [®] punch set (stainless steel) ISO 16/20/25/32/40	50766803	
Scope of supply	Part No.	Page
Slug-Splitter [®] punch (stainless steel) 16.2 mm	50069527	421
Slug-Splitter [®] punch (stainless steel) 20.4 mm	50069543	421
Slug-Splitter [®] punch (stainless steel) 25.4 mm	50069560	421
Slug-Splitter [®] punch (stainless steel) 32.5 mm	50069594	421
Slug-Splitter [®] punch (stainless steel) 40.5 mm	50069616	421
Draw stud for hydraulic operation 11.1 mm to 19 mm, 108 mm	50294512	424
Draw stud for hydraulic operation 19 x 140 mm	50294520	424
Plastic case	KKSSISO16B63	

Slug-Splitter[®] punch set (stainless steel) ISO 16 - 63



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

Suitable for

- Stainless steel (V2A), mild steel (St37), plastic and aluminium up to 3.5 mm thick

Operation

- Hydraulic

Predrilling

- Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030
draw stud 11.1 mm dia., pilot drill 12.7 mm dia. 50344102

Item	Part No.	
Slug-Splitter [®] punch set (stainless steel) ISO 16/20/25/32/40/50/63	50766797	
Scope of supply	Part No.	Page
Slug-Splitter [®] punch (stainless steel) 16.2 mm	50069527	421
Slug-Splitter [®] punch (stainless steel) 20.4 mm	50069543	421
Slug-Splitter [®] punch (stainless steel) 25.4 mm	50069560	421
Slug-Splitter [®] punch (stainless steel) 32.5 mm	50069594	421
Slug-Splitter [®] punch (stainless steel) 40.5 mm	50069616	421
Slug-Splitter [®] punch (stainless steel) 50.8 mm	50069632	421
Slug-Splitter [®] punch (stainless steel) 64 mm	50069667	421
Draw stud for hydraulic operation 11.1 mm to 19 mm, 108 mm	50294512	424
Draw stud for hydraulic operation 19 x 140 mm	50294520	424
Plastic case	KKSSISO16B63	



Slug Buster® hand hydraulic punch driver set PG 9 - PG 21, 30.5 mm



Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Hydraulic

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Item	Part No.	
Slug Buster® hand hydraulic punch driver set PG 9 to PG 21 and 30.5 mm	50356119SET	
Scope of supply	Part No.	Page
Hand hydraulic punch 7804E	50342886	
Draw stud for punch with hydraulic operation 9.5 x 71 mm	51300430	
Draw stud for hydraulic operation 19.0 x 105 mm	50318721	424
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9,5 mm	50339672	426
Slug Buster® punch set PG 9 - 21, 30.5 mm	50323989SET	455
Plastic case	50352024	

Slug Buster® hand hydraulic 90° punch driver set PG 9 - PG 21, 30.5 mm



Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm thick

Operation

- Hydraulic

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Item	Part No.	
Slug Buster® hand hydraulic punch driver set PG 9 to PG 21 and 30.5 mm	50356151SET	
Scope of supply	Part No.	Page
Hand hydraulic punch 7904E	50337866	
Draw stud for punch with hydraulic operation 9.5 x 71 mm	51300430	
Draw stud for hydraulic operation 19.0 x 105 mm	50318721	424
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9,5 mm	50339672	426
Slug Buster® punch set PG 9 - 21, 30.5 mm	50323989SET	455
Plastic case	50352024	



Slug Buster® hand hydraulic punch driver set ISO 16 - 40



Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm thick

Operation

- Hydraulic

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 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 7804E	50342886	
Draw stud for punch with hydraulic operation 9.5 x 71 mm	51300430	
Draw stud for hydraulic operation 19.0 x 105 mm	50318721	424
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9,5 mm	50339672	426
Slug Buster® punch set ISO 16/20/25/32/40	50356178SET	454
Plastic case	50352024	

Slug Buster® hand hydraulic 90° punch driver set ISO 16 - 40



Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm thick

Operation

- Hydraulic

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 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 7904E	50337866	
Draw stud for punch with hydraulic operation 9.5 x 71 mm	51300430	
Draw stud for hydraulic operation 19.0 x 105 mm	50318721	426
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9,5 mm	50339672	426
Slug Buster® punch set ISO 16/20/25/32/40	50356178SET	454
Plastic case	50352024	



Hand hydraulic punching set 90° ISO 16 - 40



► Flexible head for multi-purpose use even in confined areas

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 dia.)

Item	Part No.	
Hand hydraulic punching set ISO 16 - 40	52034233	
Scope of supply	Part No.	Page
Slug Buster® punch set ISO 16/20/25/32/40	50356178SET	454
Draw stud for hydraulic operation 9.5 mm to 19 mm, 122 mm	52042827	
Draw stud for hydraulic operation 19.0 x 105 mm	50318721	426
Spacer, short	50032488	
HSS Co5 step bit	52049371	
Plastic case	Kunststoffkoffer	

Slug Buster® punch set ISO 16 – 40



► For quick, clean, effortless and burr-free holes
 ► Split slugs fall free and can be removed easily

Suitable for

- Mild steel (St37), plastic and aluminium to 3.0 mm

Operation

- Manual

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Scope of supply

- Complete system including punch and die incl. plastic case

Additional information

- A case is not included in scope of supply, this must be ordered separately

Item	Part No.	
Slug Buster® punch set ISO 16/20/25/32/40	50356178SET	
Accessories	Part No.	Page
Plastic case	KKIS016B63	

Slug Buster® punch set ISO 16 – 63



► Long product life
 ► Very easy to use

Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Scope of supply

- Complete system including punch and die incl. plastic case

Item	Part No.	
Slug Buster® punch set ISO 16/20/25/32/40/50/63	50068920SET	
Accessories	Part No.	Page
Plastic case	KKIS016B63	



Slug Buster[®] punch set PG 9 - 21, 30.5 mm



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

Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Scope of supply

- Complete system including punch and die incl. plastic case

Item	Part No.	
Slug Buster [®] punch set PG 9/11/13/16/21 and 30.5 mm	50323989SET	
Accessories	Part No.	Page
Plastic case	KKPG9B48	

Slug Buster[®] punch set PG 9 - PG 48, 30.5 mm



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

Suitable for

- Mild steel (St37), plastic and aluminium up to 3.5 mm

Operation

- Manual

Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030

Scope of supply

- Complete system including punch and die incl. plastic case

Item	Part No.	
Slug Buster [®] punch set PG 9/11/13/16/21/29/36/48 and 30.5 mm	50328034SET	
Accessories	Part No.	Page
Plastic case	KKPG9B48	



FOR DEEP INCISIONS - HOLE SAWS

Clear the way for cables and electrical connections. Our Greenlee hole saws offer a long-term precise solution. Reinforced back plate reduces vibrations. Saving you effort and ensuring precise concentricity. HSS bi-metal hole saws are suitable for processing steel sheet, cast iron, brass and other materials.



In brief

- ▶ Reduced vibrations thanks to reinforced back plate
- ▶ Long service life due to high-performance steel
- ▶ Suitable for numerous materials
- ▶ For multi-functional use, please note our universal tools



▶ HSS bi-metal hole saws

No material is safe from the HSS bi-metal hole saws. Very hard high-performance steel (M 42) for clean and reliable prolonged operation.

- Precise cut with positive pitch
- Reinforced back plate reduces vibrations
- High true running accuracy

- Cooling slots for low heat build-up
- Saws up to a cut depth of of 41.3 mm
- Improved service life due to tooth hardness Rc65-68
- Suitable for steel sheet, cast iron, brass, fibreglass, wood and plastic



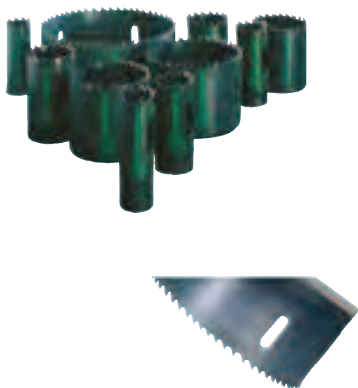
▶ Set of hole saws: HSS bi-metal hole saw set

The hole saw set gives you all standard sizes tidily combined. Well sorted and perfectly protected.

- All standard sizes of hole saws
- Manufactured from M42 high-performance steel
- Including accessories
- Securely stowed in a robust case



HSS Bi-metal hole saws



- ▶ Vibration-reduction and high true running accuracy due to thick back section
- ▶ High-quality serration easily assured, precise cut
- ▶ Cooling slots ensure low heat build-up
- ▶ No canting when sawing

Characteristics

- High-quality, rake variable pitch design provides faster, easier cutting
- High true running accuracy
- Max. cutting depth 41.3 mm
- Tooth hardness Rc 65 - 68

Suitable for

- Mild steel, cast iron, brass, aluminium, fibreglass, wood and plastic

Additional information

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

Punch size mm	Standard size Pg	Standard size ISO	Weight g	Recommended cutting speed r.p.m. for						Part No.
				steel sheet	tool and stainless steel	cast iron	non-ferrous metal	aluminium	wood	
14			46	580	300	400	790	900	800	50191314
15			46	580	300	400	790	900	800	52057722
16	Pg 9	ISO 16	46	550	275	365	730	825	760	52057723
17			46	500	250	330	665	750	720	52057724
18			46	500	250	330	665	750	720	52057725
19	Pg 11		46	460	230	300	600	690	680	52057726
20		ISO 20	46	445	220	290	580	660	640	52057727
21	Pg 13		46	425	195	280	560	635	580	52057728
22	Pg 16		46	390	195	260	520	585	560	52057729
23			46	380	190	250	510	570	540	52057730
24			46	370	185	245	494	555	520	52057731
25		ISO 25	46	350	175	235	470	525	500	52057732
26			46	325	160	215	435	480	500	52057733
27			46	300	150	200	400	450	450	52057734
28			46	300	150	200	400	450	450	52057735
29	Pg 21		91	285	145	190	380	425	430	52057736
30			91	270	140	180	360	410	410	52057737
32		ISO 32	91	270	140	180	360	410	410	52057738
33			46	250	125	165	330	375	370	52057739
35			46	240	120	160	315	360	30	52057740
36			91	240	120	160	315	360	30	52057741
37	Pg 29		91	230	115	150	300	345	330	52057742
38			91	220	110	145	290	330	310	52057743
40		ISO 40	91	210	110	140	280	315	290	52057744
41			91	205	105	135	270	305	270	52057745
42			137	205	105	135	270	305	270	52057746
43			91	195	100	130	260	295	250	52057747
44			91	190	95	125	250	285	230	52057748
45			91	190	95	125	250	285	230	52057749
46			137	180	90	120	240	270	210	52057750
48	Pg 36		91	180	90	120	240	270	210	52057751
50		ISO 50	91	170	85	115	230	255	200	52057752
51			137	165	80	110	220	245	200	52057753



Punch size mm	Standard size Pg	Standard size ISO	Weight g	Recommended cutting speed r.p.m. for						Part No.
				steel sheet	tool and stainless steel	cast iron	non-ferrous metal	aluminium	wood	
53			137	160	80	105	210	240	190	52057755
54	Pg 42		137	160	80	105	210	240	190	52057756
55			137	150	75	100	200	225	185	52057757
57			227	150	75	100	195	225	185	52057758
59			137	140	70	95	190	220	180	52057760
60	Pg 48		137	135	70	90	180	205	180	52057761
63		ISO 63	182	130	65	85	175	200	175	52057762
64			182	130	65	85	175	200	175	52057801
65			182	130	65	85	170	195	170	52057763
67			182	125	60	80	160	185	165	52057764
68			182	125	60	80	160	185	160	52057765
70			182	120	55	80	160	180	160	52057766
73			182	115	55	75	150	170	150	52057767
74			182	115	55	75	150	170	150	52057768
75			227	115	55	75	150	170	150	52057769
76			227	110	55	70	140	165	145	52057770
79			227	120	55	70	140	165	165	52057802
80			227	110	55	70	140	165	145	52057771
83			273	105	50	70	140	155	140	52057773
86			273	100	50	65	130	150	135	52057774
89			273	95	45	65	130	145	130	52057775
92			273	95	45	60	120	130	120	52057776
95			318	95	45	60	120	135	110	52057777
98			318	90	40	60	120	135	110	52057778
102			318	85	10	55	110	130	100	52057779
105			363	80	40	55	110	120	110	50191772
108			363	80	40	55	110	120	110	50191780
111			363	80	40	50	100	120	110	50191799
114			409	75	40	50	100	105	100	50191802
121			499	75	35	50	95	95	100	50191810
127			545	65	35	45	90	90	100	50191829
140			545	60	35	35	85	85	100	50191837
152			636	55	35	35	75	75	100	50191845
168			701	55	35	35	68	65	100	52057803
177			728	55	35	35	65	65	100	52057804
210			820	55	35	25	55	55	100	52057805



HSS Bi-metal hole saw set



- ▶ Saves time thanks to low vibration and heat development
- ▶ Variable pitch for an uniform cut
- ▶ Requires minimal effort when drilling

Characteristics

- High true running accuracy
- Less effort when cutting

Suitable for

- Metal, brass, fibreglass, non-ferrous metal, cast iron, aluminium, wood and plastics, stainless steel sheet

Item	Part No.
HSS bi-metall hole saw set Elektro II	52059292SET
HSS bi-metal universal hole saw set	52059293SET
HSS bi-metal hole saw set ISO 16 to 63	50069497SET
HSS bi-metal plumbing hole saw set	52059294SET
HSS bi-metal hole saw set (830 PG)	50292099SET
HSS bi-metal electrical hole saw set	52059295SET
Electro set with countersink 35/68/75 mm	50125630SET

Description	Nominal size mm	Standard size		Hole set						
		Pg	ISO	52059292SET Elektro II	52059293SET Universal	50069497SET ISO 16-63	52059294SET Plumbing	50292099SET 830PG	52059295SET Standard	50125630SET Elektro
Bi-metal hole saw	16	Pg 9			●			●	●	
	17		ISO 16			●				
	19	Pg 11			●		●	●	●	
	21	Pg 13	ISO 20			●		●		
	22	Pg 16		●	●			●	●	
	24						●			
	25		ISO 25		●	●				
	29	Pg 21		●	●		●	●	●	
	30							●		
	33		ISO 32			●				
	35			●	●				●	●
	37	Pg 29						●		
	38				●		●			
	41		ISO 40			●				
	44			●	●		●		●	
	48	Pg 36						●		
	51		ISO 50	●	●	●				
	52								●	
	57						●		●	
	60	Pg 48						●		
	63		ISO 63	●	●	●				
	67						●		●	
	68			●						●
	75									●
	76				●					
Countersink for Hole Saw 68 mm										●
Arbor 14 to 30 mm				●	●	●	●	●	●	
Arbor 32 to 152 mm				●	●	●	●	●	●	●
Case				●	●	●	●	●	●	●



Electro set with countersink



Characteristics

- Countersink with two specially-hardened cutting teeth

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 6.35 mm dia.

Item	Part No.	
Electro set with countersink 35/68/75 mm	50125630SET	
Scope of supply	Part No.	Page
HSS bi-metal hole saw 35 mm	52057740	458
HSS bi-metal hole saw 68 mm	52057765	459
HSS bi-metal hole saw 75 mm	52057769	459
Countersink for hole saws	52033839	
Arbor for HSS bi-metal hole saws 8.6 mm	52057781	462
Plastic case	52059258	



Arbor for HSS bi-metal hole saws 14 - 30 mm

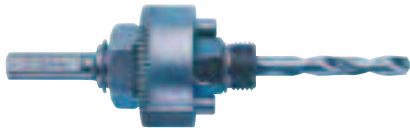


Suitable for

- Sizes from 14 - 30 mm

Item	Part No.
Arbor 6.3 mm	50371576
Arbor for HSS bi-metal hole saws 7.9 mm	50385224
Arbor 8.6 mm	52057780
Arbor 11.1 mm	50371550

Arbor for HSS bi-metal hole saws 32 - 152 mm



Suitable for

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

Item	Part No.
Arbor 7.9 mm for HSS bi-metal hole saws 32 - 51 mm	50371541
Arbor 8.6 mm for HSS bi-metal hole saws 32 - 152 mm	52057781
Arbor 11.1 mm for HSS bi-metal hole saws 32 - 152 mm	50371568

SDS arbor for HSS bi-metal hole saws



Suitable for

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

Item	Part No.
SDS arbor for HSS bi-metal hole saws 14 - 30 mm	50069691
SDS arbor for HSS bi-metal hole saws 32 - 152 mm	50069292

Replaceable pilot drill for arbor HSS bi-metal hole saws



Item	Part No.
Replaceable pilot drill for arbor HSS bi-metal hole saws	52057782



SIMPLE DRILLING – EVERYTHING IN ONE OPERATION

Greenlee bits are produced using the latest CNC technology. The benefit to you is clear: Clean cutting edges produce longer and better cutting operations from the very first use. That saves you effort. The two-sided deburring of the edge breaker saves you time. The Rotastop system on the shank prevents the bit from slipping through in the chuck. That's how drilling is done today.



In brief

- ▶ Perfect cutting performance in the first pass
- ▶ Rotastop prevents the bit slipping through
- ▶ Split point requires less effort



► Kwik Stepper with Rotastop

Years of experience and development have gone into this bit. The Kwik Stepper drills not only burr-free with optimum swarf removal, the spiral groove also reduces heat build-up during the drilling operation. This makes the Kwik Stepper especially durable. The Rotastop system holds the bit in place - without slipping through. Additionally, the split point reduces your effort during the drilling operation. Great performance from just one bit.

- All required drilling ranges in one tool
- Rotastop for maximum torque transmission
- Quick bit change
- No slipping through in the chuck
- Spiral groove for improved cutting performance
- Two-sided burr removal
- Can be used for sheet, pipes, non-ferrous metals, stainless steel and plastics

► Performance in the set: Kwik Stepper set of step bits

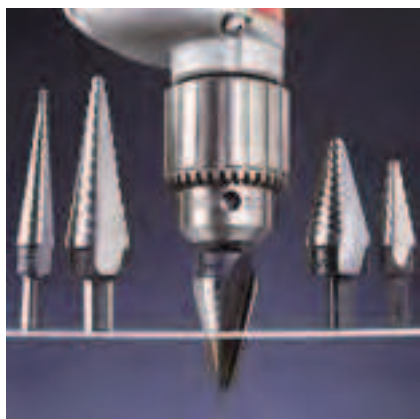
To keep you flexible while drilling, we have combined all standard step bits in a practical set and accommodated them in a robust plastic box. Everything to hand.

- All common step bits
- Clear assignment of the bit through laser scaling of the step bit
- Robust plastic box with integrated pop-up hinge
- Easy to transport and store





Kwik Stepper™ step bit



- ▶ Minimum burr
- ▶ Long service life
- ▶ Good torque transmission
- ▶ Less effort when drilling

Suitable for

- Sheet, pipe, NF metal and plastic

Item	Drilling range dia. mm	Step sizes dia. mm	Total length mm	Number of steps	Shank dia. mm	Part No.
Kwik Stepper™ step bit 3.2 - 12.7 mm	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	6.34	50344013
Kwik Stepper™ step bit 4.8 - 12.7 mm	4.8 - 12.7	4.8 / 6.4 / 7.9 / 9.5 / 11.1 / 12.7	80	6	6.4	50364022
Kwik Stepper™ step bit 22.2 mm	22.2	22.2	85	1	9.5	50344110
Kwik Stepper™ step bit 4.8 - 22.2 mm	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	50344030
Kwik Stepper™ step bit 12.7 - 28.6 mm	12.7 - 28.6	12.7 / 22.2 / 28.6	57	3	9.5	50300083
Kwik Stepper™ step bit 22.2 - 34.9 mm	22.2 - 34.9	22.2 / 28.6 / 31.0 / 31.8 / 34.9	73	5	9.5	50364146
Kwik Stepper™ step bit 9.7 mm	9.7	Predrilling for Green- lee-Draw stud 9.7	40	1	6.4	50360183
Kwik Stepper™ step bit 12.7 mm	12.7	Predrilling for Green- lee-Draw stud 12.7	40	1	6.4	50344102
Kwik Stepper™ step bit Pg 7 - 21	Pg 7 - 21	Pg7 / Pg9 / Pg11 / Pg13 / Pg16 / Pg21	90	7	9.5	50360205
Kwik Stepper™ step bit ISO 16 - 32	ISO 16 - 32	ISO 16 / 20 / 25 / 32	80	4	9.5	50360221



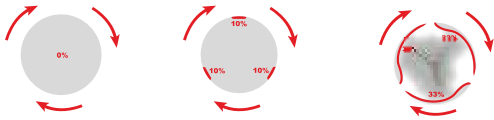
Kwik Stepper™ step bit with ROTASTOP® shaft



- ▶ ROTASTOP® guarantees best-possible torque transmission
- ▶ Minimal burr
- ▶ No slipping in the chuck with ROTASTOP®
- ▶ Long service life
- ▶ Requires minimum effort when drilling

Suitable for

- Reaming of steel sheets, pipes, non-ferrous metals and plastic



Item	Drilling range dia. mm	Step sizes dia. mm	Total length mm	Number of steps	Shank dia. mm	Part No.
Kwik Stepper™ step bit with ROTASTOP® shaft 4 - 12 mm	4 – 12	4.0 / 5.0 / 6.0 / 7.0 / 8.0 / 9.0 / 10.0 / 11.0 / 12.0	80	9	8.0	50069845
Kwik Stepper™ step bit with ROTASTOP® shaft 4 - 20 mm	4 – 20	4.0 / 6.0 / 8.0 / 10.0 / 12.0 / 14.0 / 16.0 / 18.0 / 20.0	67	9	8.0	50069853
Kwik Stepper™ step bit with ROTASTOP® shaft 6 - 30 mm	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	50069861
Kwik Stepper™ step bit with ROTASTOP® shaft 6 - 36 mm	6 – 36	6.0 / 9.0 / 12.0 / 15.0 / 18.0 / 21.0 / 24.0 / 27.0 / 30.0 / 33.0 / 36.0	85	11	12.0	50069870
Kwik Stepper™ step bit with ROTASTOP® shaft ISO 12 - 40 mm	ISO 12 - 40	For ISO 12 / 16 / 20 / 25 / 32 / 40	110	6	12.0	50069888

EFFORTLESS OPERATIONS.

Safety, ergonomics and reliability – these quality features are a given in day-to-day work. Klauke hand tools are designed for this very purpose.





Hand tools

VDE tools	502
Pliers	504
Screwdrivers	508
Assortments and sets	510
Safety tools	514
Fully insulated tools	517
Tool cases	522
<hr/>	
Standard tools and accessory	523
Water pump pliers, fitting pliers	524
Electronic / precision mechanic's tools	525
Bits, holders and adapters	526
Assortments and sets	528
Measuring and marking	531
Basic tools	533
Tool cases	537
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Wire stripping tools	544
Wire stripping tools	545
Stripping tools	547
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Stripping tools for communication technology	549





SAFETY-TESTED RANGE – VDE TOOLS

For the safety of our customers, we also have our tools tested by independent bodies. The "VDE Tool" marking indicates that this special Klauke range conforms to the current directives of the safety testing procedure to EN/IEC 60900. All tools with the VDE name are approved to 1000 V alternating current and 1500V direct current. Special tool steel creates additional robustness.



In brief

- ▶ Conforms to current directive EN/IEC 60900
- ▶ Manufactured using special tools steel
- ▶ Effortless operations due to optimal ergonomic design



► **When you need to go deeper: SLIM range**

SLIM range screwdrivers have a tapered blade at the front. Deeper screws, such as those in circuit breakers, can be reached with ease. No slipping and rolling due to special handle shape. With its narrow tip, the SLIM range is best suited for loosening cables in spring terminals.

- For use in confined areas due to tapered blade
- Safe operations due to rolling protection



► **More than just a force: Power combi-pliers**

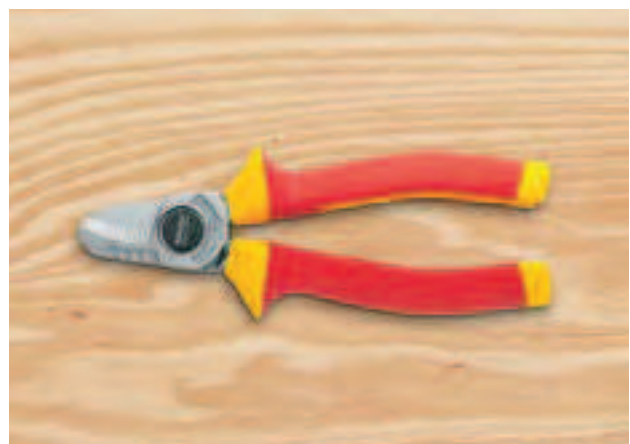
The power combi-pliers are really multi-talented: Cutting, gripping, counter holding, inserting conductors. Hence the name combi-pliers. Four tools in one: You need fewer tools and the power assist function also helps you when working.

- Cuts cables, conductors and wires
- Grips flat and round material such as safety splints
- Simplifies the insertion of cables into the clamp or circuit breaker
- Can also be used to tighten nuts

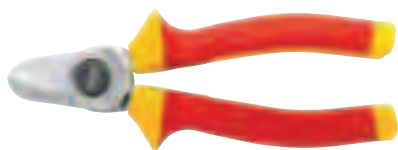
► **Everything under control: VDE cable cutters**

The VDE cable cutters are hard-wearing. They withstand cold impact tests to -25 °C, tests of the adhesion of the insulating material to 500 N and individual voltage tests in a water bath with 10,000 V AC. The reward: Certification to EN/IEC 60900. Completely safe.

- Extra hand protection against flying sparks
- Safe operations due to slip-proof overlay
- Safe even under extreme conditions
- For fine and superfine stranded copper and aluminium cables



VDE Cable cutter

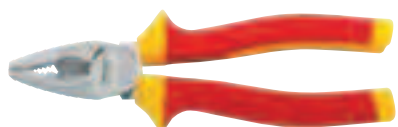


Characteristics

- Adjustable joint
- Cuts fine and superfine stranded copper and aluminium cable

Part No.	KL010160IS	KL010210IS
Item	VDE Cable cutter 160 mm	VDE Cable cutter 210 mm
Dimension mm	160	210
Weight g	225	340
Cutting power up to dia.	16	25

VDE Power combination pliers

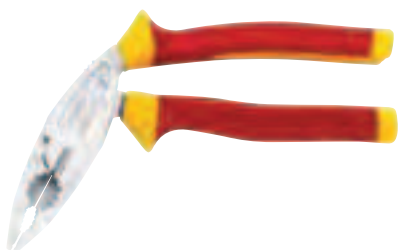


Characteristics

- With combination spanner from 11 - 17 mm (M8 - M10)
- Holds flat and round material
- Cuts soft wires, e.g. copper, aluminium, medium-hard wires e.g. nails, wire nails and hard wires, e.g. wire cable, steel wire

Part No.	KL020165IS	KL020180IS	KL020205IS
Item	VDE Power combination pliers, 165 mm	VDE Power combination pliers, 180 mm	VDE Power combination pliers, 205 mm
Dimension mm	165	180	205
Weight g	200	255	280
Cutting power soft wire dia. mm	4.0	5.2	5.9
Cutting power medium wire dia. mm	3.1	3.4	3.8
Cutting power hard wire dia. mm	2.0	2.2	2.5

VDE Power combination pliers, angled



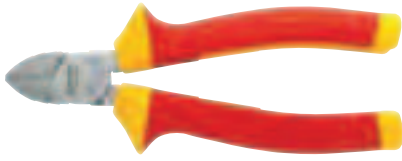
Characteristics

- Comfortable working due to ergonomically optimised, 45° angled head
- With combination spanner from 11 - 17 mm (M8 - M10)
- Holds flat and round material
- Cuts soft wires, e.g. copper, aluminium, medium-hard wires e.g. nails, wire nails and hard wires, e.g. wire cable, steel wire

Part No.	KL026205IS
Item	VDE Power combination pliers, offset, 205 mm
Dimension mm	205
Weight g	285
Cutting power soft wire dia. mm	5.9
Cutting power medium wire dia. mm	3.8
Cutting power hard wire dia. mm	2.5



VDE Side cutter



Characteristics

- Improved cutting of insulated cables from slip-reducing wave profiled blades
- Cuts soft wires, e.g. copper, aluminium, medium-hard wires e.g. nails, wire nails and hard wires, e.g. wire cable, steel wire

Part No.	KL040145IS	KL040160IS	KL040180IS
Item	VDE Side cutter 145 mm	VDE Side cutter 160 mm	VDE Side cutter 180 mm
Dimension mm	145	160	180
Weight g	180	210	265
Cutting power soft wire dia. mm	5.0	6.0	7.0
Cutting power medium wire dia. mm	2.5	3.5	4.0
Cutting power hard wire dia. mm	1.7	2.0	2.5
Cutting power up to dia.	8.0	11.0	13.0

VDE Electricians side cutter

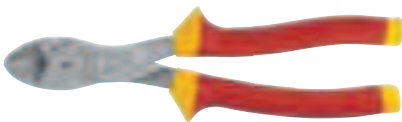


Characteristics

- High cutting performance for superfine wires due to hardened precision cutters
- Cuts soft wires, e.g. copper, aluminium, medium-hard wires e.g. nails, wire nails and hard wires, e.g. wire cable, steel wire

Part No.	KL042190IS
Item	VDE Electricians side cutter, 190 mm
Dimension mm	190
Weight g	285
Cutting power soft wire dia. mm	2.0
Cutting power medium wire dia. mm	1.0
Cutting power up to dia.	4.0

VDE Power side cutter



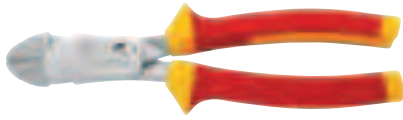
Characteristics

- Improved cutting of insulated cables from slip-reducing wave profiled blades
- Optimum handling due to ergonomically-shaped handle
- High cutting performance on hard wires and piano wires

Part No.	KL045180IS	KL044200IS	KL045240IS
Item	VDE Power side cutter, 180 mm	VDE Electric power side cutter, 200 mm	VDE Power side cutter, 240 mm
Dimension mm	180	200	240
Weight g	285	280	420
Cutting power soft wire dia. mm	3.7	4.0	4.5
Cutting power medium wire dia. mm	2.6	2.8	3.5
Cutting power hard wire dia. mm	2.2		3.0
Cutting power piano wire dia. mm		2.5	



VDE Lever power side cutter

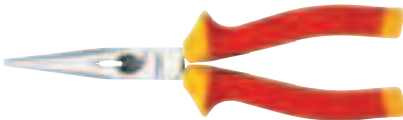


Characteristics

- 40% force saving
- High cutting performance for superfine wires due to hardened precision cutters
- Special tool steel drop-forged, oil-hardened
- Cuts medium-hard wires, e.g. nails, wire nails and hard wires, e.g. wire cable, steel wire as well as piano wire

Part No.	KL046200IS
Item	VDE Lever power side cutter, 200 mm
Dimension mm	200
Cutting power medium wire dia. mm	4.5
Cutting power hard wire dia. mm	3.5
Cutting power piano wire dia. mm	3.0

VDE Telephone pliers, straight

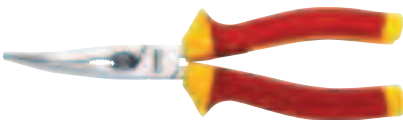


Characteristics

- Long, flat/round jaws
- Optimum hold due to toothed grip area
- Cutting edge inductive hardened
- With combination spanner from 11 - 17 mm (M8 - M10)
- With wire cutter for soft wires, e.g. copper, aluminium, medium-hard wires e.g. nails, wire nails and hard wires, e.g. wire cable, steel wire

Part No.	KL050205IS
Item	VDE long-nose pliers, straight, 205 mm
Dimension mm	205
Weight g	215
Cutting power soft wire dia. mm	3.9
Cutting power medium wire dia. mm	3.2
Cutting power hard wire dia. mm	2.2

VDE Telephone pliers, curved



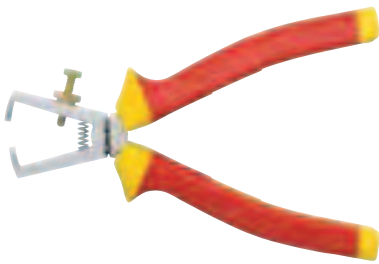
Characteristics

- Long, 45° offset, flat/round jaws
- Optimum hold due to toothed grip area
- Cutting edge inductive hardened
- With combination spanner from 11 - 17 mm (M8 - M10)
- Cuts soft wires, e.g. copper, aluminium, medium-hard wires e.g. nails, wire nails and hard wires, e.g. wire cable, steel wire

Part No.	KL055205IS
Item	VDE long-nose pliers, bent, 205 mm
Dimension mm	205
Weight g	215
Cutting power soft wire dia. mm	3.9
Cutting power medium wire dia. mm	3.2
Cutting power hard wire dia. mm	2.2



VDE Wire stripper

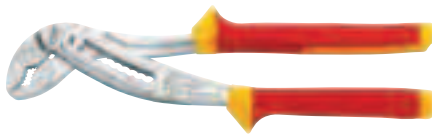


Characteristics

- With opening spring and V-shaped cutting edges
- With setting screw for setting the cable diameter

Part No.	KL060160IS
Item	VDE Wire stripper, 160 mm
Dimension mm	160
Weight g	185

VDE Water pump pliers, jaw width 50 mm



Characteristics

- Jaw width 50 mm
- Safe working due to clamp protection and safety joint
- Ratchet adjustment
- Optimum hold due to toothed grip area

Part No.	KL070250IS
Item	VDE Water pump pliers, jaw width 50 mm
Dimension mm	250
Weight g	410

Automatic VDE wire stripper 0.2 - 6 mm²



Characteristics

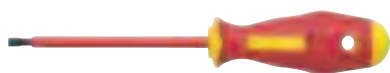
- Tested acc. to VDE standards for safe working on live conductors up to 1000 V
- Adjustable length stop from 5 - 12 mm
- Locking function to protect the blades

Suitable for

- Flexible and solid conductors from 0.2 - 6 mm²

Part No.	KL760180IS
Item	Automatic VDE wire stripper 0.2 - 6 mm ²
Dimension mm	215
Weight g	130

VDE Slotted screwdriver



Item	Dimension mm	Weight g	Part No.
VDE Slotted screwdriver, 2.5 x 0.4 mm	75 x 2.5 x 0.4	22	KL1007525IS
VDE Slotted screwdriver, 3.0 x 0.5 mm	100 x 3.0 x 0.5	28	KL10010030IS
VDE Slotted screwdriver, 3.5 x 0.6 mm	100 x 3.5 x 0.6	30	KL10010035IS
VDE Slotted screwdriver, 4.0 x 0.8 mm	100 x 4.0 x 0.8	44	KL10010040IS
VDE Slotted screwdriver, 5.5 x 1.0 mm	125 x 5.5 x 1.0	70	KL10012555IS
VDE Slotted screwdriver, 6.5 x 1.2 mm	150 x 6.5 x 1.2	86	KL10015065IS
VDE Slotted screwdriver, 8.0 x 1.2 mm	175 x 8.0 x 1.2	135	KL10017580IS

VDE Phillips screwdriver



Item	Dimension mm	Weight g	Part No.
VDE Phillips screwdriver, PH1	80 x PH 1	52	KL110PH1IS
VDE Phillips screwdriver, PH2	100 x PH 2	80	KL110PH2IS
VDE Phillips screwdriver, PH3	150 x PH 3	145	KL110PH3IS

VDE Pozidriv screwdriver



Item	Dimension mm	Weight g	Part No.
VDE Pozidriv screwdriver, PZ1	80 x PZ 1	49	KL120PZ1IS
VDE Pozidriv screwdriver, PZ2	100 x PZ 2	76	KL120PZ2IS
VDE Pozidriv screwdriver, PZ3	150 x PZ 3	140	KL120PZ3IS

VDE Plus/Minus screwdriver



Item	Dimension mm	Weight g	Part No.
VDE Plus/Minus screwdriver, Z1	80 x Z1	52	KL130PM1IS
VDE Plus/Minus screwdriver, Z2	100 x Z2	80	KL130PM2IS

VDE TORX® screwdriver



Item	Dimension mm	Weight g	Part No.
VDE TORX® Screwdriver TX 10	100 x TX 10	45	KL150TX10IS
VDE TORX® Screwdriver TX 15	100 x TX 15	45	KL150TX15IS
VDE TORX® Screwdriver TX 20	100 x TX 20	69	KL150TX20IS
VDE TORX® Screwdriver TX 25	100 x TX 25	69	KL150TX25IS
VDE TORX® Screwdriver TX 30	100 x TX 30	96	KL150TX30IS



VDE-M-TEC Screwdriver for hexagonal nuts



Characteristics

- With box spanner tube - immersion depth approx. 41 mm - optimal for deep-seated screws and nuts
- With spring-loaded magnetic body

Item	Dimension mm	Für Gewinde	Weight g	Part No.
VDE Screwdriver M-TEC size 5.5	110 x 5.5	M3	100	KL14555IS
VDE Screwdriver M-TEC size 6	110 x 6.0	M3.5	100	KL14560IS
VDE Screwdriver M-TEC size 7	110 x 7.0	M4	100	KL14570IS
VDE Screwdriver M-TEC size 8	110 x 8.0	M5	110	KL14580IS
VDE Screwdriver M-TEC size 10	125 x 10.0	M6	110	KL145100IS
VDE Screwdriver M-TEC size 13	110 x 13.0	M8	110	KL145130IS

Phase tester with heavy duty handle, one-pin, VDE 0680 150 V - 250 V



Characteristics

- Single-pole
- With heavy duty handle

Item	Dimension mm	Weight g	Part No.
Phase tester with heavy duty handle, one-pin, VDE 0680 150 V - 250 V	73 x 3.0 x 0.8	30	KL19073IS

VDE screwdriver Slim range

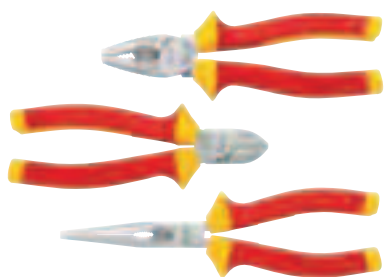


Characteristics

- Reduced blade for optimum fit
- Ergonomically-shaped handle with optimum force transmission
- Anti-roll-guard

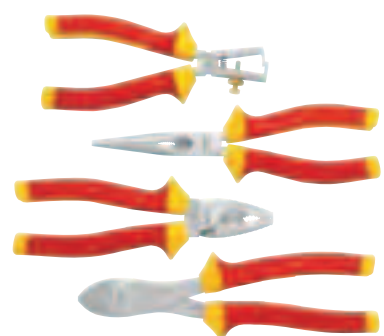
Item	Part No.
VDE Slotted screwdriver 3.5 x 0.6 x 100 Slim Line	KL10010035ISLIM
VDE Slotted screwdriver 4.0 x 0.8 x 100 Slim Line	KL10010040ISLIM
VDE Slotted screwdriver 5.5 x 1.0 x 125 Slim Line	KL10012555ISLIM
VDE Slotted screwdriver 6.5 x 1.2 x 125 Slim Line	KL10012565ISLIM
VDE Phillips screwdriver PH1 Slim Line	KL110PH1ISLIM
VDE Phillips screwdriver PH2 Slim Line	KL110PH2ISLIM
VDE Pozidriv screwdriver PZ1 Slim Line	KL120PZ1ISLIM
VDE Pozidriv screwdriver PZ2 Slim Line	KL120PZ2ISLIM
VDE Plus/Minus screwdriver Z1 x 100 Slim Line	KL130PM1ISLIM
VDE Plus/Minus screwdriver Z2 x 100 Slim Line	KL130PM2ISLIM
VDE Slotted screwdriver TX 15 x 100 Slim Line	KL150TX15ISLIM
VDE Slotted screwdriver TX 20 x 125 Slim Line	KL150TX20ISLIM
VDE Slotted screwdriver TX 25 x 125 Slim Line	KL150TX25ISLIM

VDE Pliers set, 3-pce.



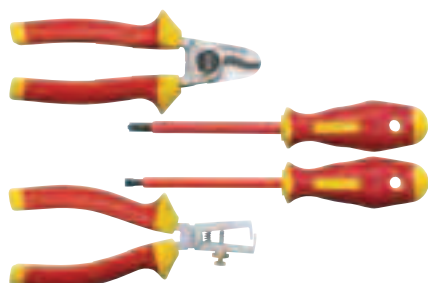
Item	Part No.	
VDE Plier set, 3-pieces	KL303IS	
Scope of supply	Part No.	Page
VDE Power combination pliers, 180 mm	KL020180IS	504
VDE Side cutter 160 mm	KL040160IS	505
VDE long-nose pliers, straight, 205 mm	KL050205IS	506

VDE Pliers set, 4-pce.



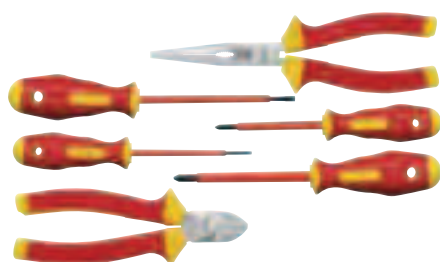
Item	Part No.	
VDE Plier set, 4-pieces	KL304IS	
Scope of supply	Part No.	Page
VDE Power combination pliers, 180 mm	KL020180IS	504
VDE Electric power side cutter, 200 mm	KL044200IS	505
VDE long-nose pliers, straight, 205 mm	KL050205IS	506
VDE Wire stripper, 160 mm	KL060160IS	507

VDE Pliers/screwdriver set, 4-pce.



Item	Part No.	
Pliers/screwdriver set, 4-pce.	KL305IS	
Scope of supply	Part No.	Page
VDE Cable cutter 160 mm	KL010160IS	504
VDE Wire stripper, 160 mm	KL060160IS	507
VDE Slotted screwdriver, 3.5 x 0.6 mm	KL10010035IS	508
VDE Plus/Minus screwdriver, Z1	KL130PM1IS	508

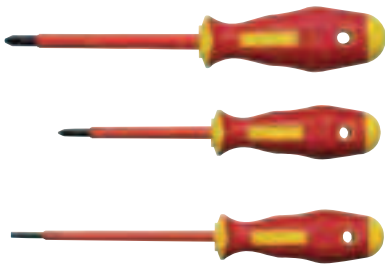
VDE Pliers/screwdriver set, 6-pce.



Item	Part No.	
Pliers/screwdriver set, 6-pce.	KL306IS	
Scope of supply	Part No.	Page
VDE long-nose pliers, straight, 205 mm	KL050205IS	506
VDE Side cutter 160 mm	KL040160IS	505
VDE Phillips screwdriver, PH1	KL110PH1IS	508
VDE Phillips screwdriver, PH2	KL110PH2IS	508
VDE Slotted screwdriver, 2.5 x 0.4 mm	KL1007525IS	508
VDE Slotted screwdriver, 4.0 x 0.8 mm	KL10010040IS	508



VDE Screwdriver set, 3-pce.



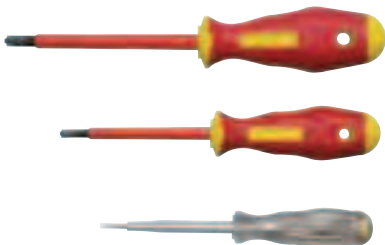
Item	Part No.	
VDE Screwdriver set, 3-pieces	KL391IS	
Scope of supply	Part No.	Page
VDE Phillips screwdriver, PH1	KL110PH1IS	508
VDE Phillips screwdriver, PH2	KL110PH2IS	508
VDE Slotted screwdriver, 3.5 x 0.6 mm	KL10010035IS	508

VDE Screwdriver set, 3-pce.



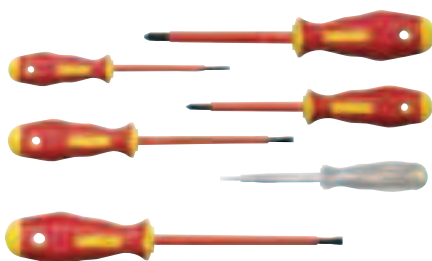
Item	Part No.	
VDE Screwdriver set, 3-pieces	KL392IS	
Scope of supply	Part No.	Page
VDE Pozidriv screwdriver, PZ1	KL120PZ1IS	508
VDE Pozidriv screwdriver, PZ2	KL120PZ2IS	508
VDE Slotted screwdriver, 4.0 x 0.8 mm	KL10010040IS	508

VDE Screwdriver set, 3-pce.



Item	Part No.	
VDE Screwdriver set, 3-pieces	KL393IS	
Scope of supply	Part No.	Page
VDE Plus/Minus screwdriver, Z1	KL130PM1IS	508
VDE Plus/Minus screwdriver, Z2	KL130PM2IS	508
Phase tester with heavy duty handle, one-pin, VDE 0680 150 V - 250 V	KL19073IS	509

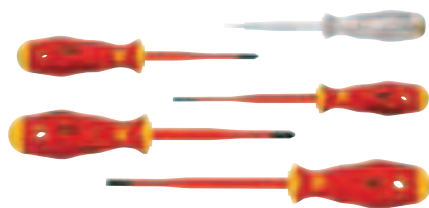
VDE Screwdriver set, 6-pce.



Item	Part No.	
VDE Screwdriver set, 6-pce.	KL390IS	
Scope of supply	Part No.	Page
VDE Phillips screwdriver, PH1	KL110PH1IS	508
VDE Phillips screwdriver, PH2	KL110PH2IS	508
VDE Slotted screwdriver, 2.5 x 0.4 mm	KL1007525IS	508
VDE Slotted screwdriver, 4.0 x 0.8 mm	KL10010040IS	508
VDE Slotted screwdriver, 5.5 x 1.0 mm	KL10012555IS	508
Phase tester with heavy duty handle, one-pin, VDE 0680 150 V - 250 V	KL19073IS	509



VDE Screwdriver set Slim Line, 5-pce.



Characteristics

- Reduced blade for optimum fit
- Ergonomically-shaped handle with optimum force transmission
- Anti-roll-guard

Item	Part No.	
VDE Screwdriver set Slim Line, 5-pce.	KL390ISLIM	
Scope of supply	Part No.	Page
VDE Slotted screwdriver 3.5 x 0.6 x 100 Slim Line	KL10010035ISLIM	509
VDE Slotted screwdriver 5.5 x 1.0 x 125 Slim Line	KL10012555ISLIM	509
VDE Pozidriv screwdriver PZ1 Slim Line	KL120PZ1ISLIM	509
VDE Pozidriv screwdriver PZ2 Slim Line	KL120PZ2ISLIM	509
Phase tester with heavy duty handle, one-pin, VDE 0680 150 V - 250 V	KL19073IS	509

VDE Screwdriver set Slim Line, 6-pce., case



Characteristics

- Reduced blade for optimum fit
- Ergonomically-shaped handle with optimum force transmission
- Anti-roll-guard

Item	Part No.	
VDE Screwdriver set Slim Line, 6-pce., case	KL391ISLIM	
Scope of supply	Part No.	Page
VDE Slotted screwdriver 3.5 x 0.6 x 100 Slim Line	KL10010035ISLIM	509
VDE Slotted screwdriver 4.0 x 0.8 x 100 Slim Line	KL10010040ISLIM	509
VDE Slotted screwdriver 5.5 x 1.0 x 125 Slim Line	KL10012555ISLIM	509
VDE Phillips screwdriver PH2 Slim Line	KL110PH2ISLIM	509
VDE Pozidriv screwdriver PZ1 Slim Line	KL120PZ1ISLIM	509
VDE Pozidriv screwdriver PZ2 Slim Line	KL120PZ2ISLIM	509



Klauke E-smart box 13-pce.

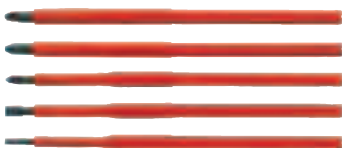


Characteristics

- 10 IEC exchangeable blades for all applications incl. contactless voltage tester
- Secure grip of blades in the handle by automatic locking
- Snap-on rotating cap and soft coating zone for use as a precision tool
- Safety tool acc. to EN/IEC 60900
- Blades can be re-ordered individually

Item	Part No.	
Klauke E-smart box 12-pce.	KL301IS	
Scope of supply	Part No.	Page
Blade 2.5 x 0.4 mm	KLE300IS1	
Blade 3.5 x 0.6 mm	KLE300IS3	
Blade 4.0 x 0.8 mm	KLE300IS4	
Blade 5.5 x 1.0 mm	KLE300IS5	
Blade PH 1	KLE300IS6	
Blade PH 2	KLE300IS7	
Blade PZ 2	KLE300IS8	
Blade TX 20	KLE300IS11	
Blade Plus/Minus Z1	KLE300IS13	
Blade Plus/Minus Z 2	KLE300IS14	
Rotating cap	KLE300IS15	
E-smart handle 93 x 32 mm	KLE300IS12	
GT-12A Contactless voltage tester 50 - 1.000 V	52063422	574

VDE replaceable blade in blister pack



Characteristics

- Blades from special chrome/molybdenum/vanadium alloy
- Standard 1/4" mounting for greatest-possible flexibility
- 100% safe due to VDE single part testing

Item	Part No.	
Tool bag, equipped with 9 VDE replaceable blades	KL390TB9	
VDE Slotted blade, 3.5 x 0.6 mm in blister pack	KL400S35170ISSB	
VDE Slotted blade, 4.0 x 0.8 mm in blister pack	KL400S40170ISSB	
VDE Slotted blade, 5.5 x 1.0 mm in blister pack	KL400S55170ISSB	
VDE Philips blade, PH1 in blister pack	KL400PH1170ISSB	
VDE Philips blade, PH2 in blister pack	KL400PH2170ISSB	
VDE Pozidriv blade, PZ1 in blister pack	KL400PZ1170ISSB	
VDE Pozidriv blade, PZ2 in blister pack	KL400PZ2170ISSB	
VDE Plus/Minus blade, PM1 in blister pack	KL400PM1170ISSB	
VDE Plus/Minus blade, PM2 in blister pack	KL400PM2170ISSB	
Accessories	Part No.	Page
Tool bag, empty	KL390TL	
Nm handle 0.6 - 1.5 Nm	KLE3871513	
Nm handle 1.5 - 3.0 Nm	KLE3883013	
Nm handle 3.0 - 5.4 Nm	KLE3895413	

NH safety handle with guard



Characteristics

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

Suitable for

- For NH fuses sizes 00-3

Item	Weight g	Part No.
NH safety handle with guard	470	KL600

Electricians safety helmet



Characteristics

- Designation: 1000 V
- To DIN EN 397
- 440 V AC
- Sizes adjustable

Item	Weight g	Part No.
Electricians safety helmet	370	KL602GELB

Electricians safety visor

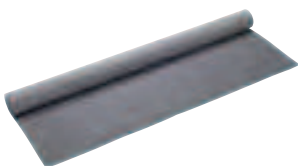


Characteristics

- Designation: 1000 V
- To VDE
- Suitable for helmet KL602GELB

Item	Weight g	Part No.
Electricians safety visor	195	KL603

Insulated stand mat



Characteristics

- Tested acc. to DIN 0303, part 21
- Safety mat for safe working with live parts in high voltage areas up to 1.000 Volt
- Penetration-proof to 14.4 kV/mm (>50 kV/4 mm)
- Slip proof, thereby increased sure-footedness

Item	Dimension mm	Weight g	Part No.
Insulating floor mat	1000 x 1000 x 4	5300	KL620S1000



Rubber insulating blanket

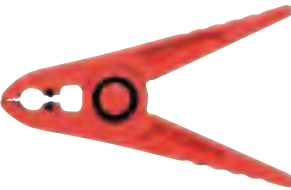


Characteristics

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

Item	Dimension mm	Weight g	Part No.
Rubber cover/blanket, small	500 x 500 x 1.6	440	KL625A500
Rubber cover/blanket, large	1000 x 1000 x 1.6	1900	KL625A1000

Plastic clamp



Characteristics

- For securing rubber towels

Item	Dimension mm	Weight g	Part No.
Plastic clamp for rubber cover/blanket	150	70	KL628

Protective gloves



Characteristics

- To DIN EN 60903

Suitable for

- For working in voltage ranges up to 1000 Volt

Item	Dimension mm	Weight g	Part No.
Protective gloves, size 9	Size 09	250	KL60509
Protective gloves, size 10	Size 10	250	KL60510
Protective gloves, size 11	Size 11	250	KL60511

Cotton gloves

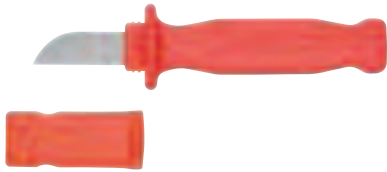


Characteristics

- Inner gloves from cotton
- For use with protective gloves, Part No. KL60509 / KL60510

Item	Weight g	Part No.
Cotton gloves	50	KL605U

Cable knife, straight



Characteristics

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

Item	Dimension mm	Weight g	Part No.
Cable knife, straight	200	105	KL640GK

Cable knife with hooked blade



Characteristics

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

Item	Dimension mm	Weight g	Part No.
Cable knife with hooked blade	190	100	KL642HK

Cable knife with blade protection, 1000 V



Item	Part No.
Cable knife with blade protection, 1000 V	KL645GSK

Tweezers



Characteristics

- Straight and pointed tips
- With 2-layer safety insulation
- Non-slip protection

Item	Dimension mm	Weight g	Part No.
Tweezers	130	30	KL690130

Cleaning brush



Characteristics

- Brush width 45 mm
- All-plastic version

Item	Weight g	Part No.
Cleaning brush	75	KL698

VDE Expansion wedge



Item	Part No.
Guide wedge	K610



Fully insulated tool set, 1/2", 20-piece



Characteristics

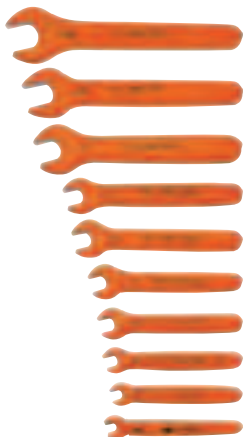
- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- Vanadium special steel acc. to DIN 7448

Suitable for

- For working in voltage ranges up to 1.000 Volt

Item	Part No.	
Fully insulated tool set, 1/2", 20-piece	KL1300IS12B20	
Scope of supply	Part No.	Page
Case KL1300L	KL1300L	
Ratchet 1/2" drive	KL1000IS12	518
T-wrench 1/2" drive	KL1299IS12	518
Extension 1/2" drive x 250 mm long	KL1290IS12250	519
Extension 1/2" drive x 125 mm long	KL1290IS12125	519
Socket 1/2" drive, AF 10 mm	KL1240IS1210	519
Socket 1/2" drive, AF 11 mm	KL1240IS1211	519
Socket 1/2" drive, AF 12 mm	KL1240IS1212	519
Socket 1/2" drive, AF 13 mm	KL1240IS1213	519
Socket 1/2" drive, AF 14 mm	KL1240IS1214	519
Socket 1/2" drive, AF 17 mm	KL1240IS1217	519
Socket 1/2" drive, AF 19 mm	KL1240IS1219	519
Socket 1/2" drive, AF 22 mm	KL1240IS1222	519
Socket 1/2" drive, AF 24 mm	KL1240IS1224	519
Socket 1/2" drive for slotted screws, 5.5 mm	KL1200IS1255	520
Socket 1/2" drive for Phillips screws, PH2	KL1210IS12PH2	521
Socket 1/2" drive for Plus/Minus PM2	KL1230IS12PM2	520
Cable knife, straight	KL640GK	516
VDE Side cutter 180 mm	KL040180IS	505
VDE Slotted screwdriver, 3.5 x 0.6 mm	KL10010035IS	508
VDE Slotted screwdriver, 5.5 x 1.0 mm	KL10012555IS	508

Fully insulated open-ended spanner



Characteristics

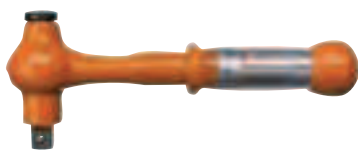
- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- DIN 7448 from vanadium special steel

Suitable for

- Hexagonal head screws

Item	Part No.
Fully insulated open-ended spanner 6 AF	KL1100IS6
Fully insulated open-ended spanner 7 AF	KL1100IS7
Fully insulated open-ended spanner 8 AF	KL1100IS8
Fully insulated open-ended spanner 10 AF	KL1100IS10
Fully insulated open-ended spanner 11 AF	KL1100IS11
Fully insulated open-ended spanner 12 AF	KL1100IS12
Fully insulated open-ended spanner 13 AF	KL1100IS13
Fully insulated open-ended spanner 17 AF	KL1100IS17
Fully insulated open-ended spanner 19 AF	KL1100IS19
Fully insulated open-ended spanner 22 AF	KL1100IS22

Torque wrench - Compact - 3/8" and 1/2" drive



Characteristics

- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- With automatic release
- Positive locking system on the square end with pull-off force to 50 Nm
- Set the response value using the rotary grip
- Quickly read-off the values on the scale
- +/- 4% response accuracy
- Versatile use thanks to small dimensions

Item	Part No.
Torque wrench compact, 3/8", drive 5 - 25 Nm	KL1000IS38NM25
Torque wrench compact, 1/2", drive 5 - 25 Nm	KL1000IS12NM25

Torque wrench - 3/8" and 1/2" drive



Characteristics

- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- With automatic release
- Positive locking system on the square end with pull-off force to 50 Nm
- Set the response value using the rotary grip
- Quickly read-off the values on the scale
- +/- 4% response accuracy

Item	Part No.
Torque wrench, 3/8", 2-27 Nm	KL1000IS38NM27
Torque wrench, 3/8", 5-50 Nm	KL1000IS38NM50
Torque wrench, 1/2", 2-27 Nm	KL1000IS12NM27
Torque wrench, 1/2", 5-50 Nm	KL1000IS12NM50

Ratchet - 3/8" and 1/2" drive

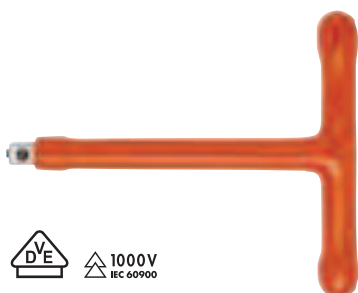


Characteristics

- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- Chrome vanadium steel
- One-hand operation

Item	Part No.
Ratchet 3/8" drive	KL1000IS38
Ratchet 1/2" drive	KL1000IS12

T-wrench 3/8" and 1/2" drive



Characteristics

- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- Chrome vanadium steel

Item	Part No.
T-wrench 3/8" drive	KL1299IS38
T-wrench 1/2" drive	KL1299IS12



Extension 3/8" and 1/2" drive



Characteristics

- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- Chrome vanadium steel

Item	Dimension mm	Part No.
Extension 3/8" drive, 125 mm	125	KL1290IS38125
Extension 3/8" drive x 250 mm long	250	KL1290IS38250
Extension 1/2" drive x 125 mm long	125	KL1290IS12125
Extension 1/2" drive x 250 mm long	250	KL1290IS12250

Hexagonal sockets 3/8" and 1/2" drive



Characteristics

- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- DIN 7448 from vanadium special steel

Suitable for

- For hex. head screws

Item	Part No.
Socket 3/8" drive, AF 10 mm	KL1240IS3810
Socket 3/8" drive, AF 11 mm	KL1240IS3811
Socket 3/8" drive, AF 12 mm	KL1240IS3812
Socket 3/8" drive, AF 13 mm	KL1240IS3813
Socket 3/8" drive, AF 14 mm	KL1240IS3814
Socket 3/8" drive, AF 17 mm	KL1240IS3817
Socket 3/8" drive, AF 19 mm	KL1240IS3819
Socket 1/2" drive, AF 10 mm	KL1240IS1210
Socket 1/2" drive, AF 11 mm	KL1240IS1211
Socket 1/2" drive, AF 12 mm	KL1240IS1212
Socket 1/2" drive, AF 13 mm	KL1240IS1213
Socket 1/2" drive, AF 14 mm	KL1240IS1214
Socket 1/2" drive, AF 16 mm	KL1240IS1216
Socket 1/2" drive, AF 17 mm	KL1240IS1217
Socket 1/2" drive, AF 19 mm	KL1240IS1219
Socket 1/2" drive, AF 22 mm	KL1240IS1222
Socket 1/2" drive, AF 24 mm	KL1240IS1224
Socket 1/2" drive, AF 27 mm	KL1240IS1227

Allen key sockets 3/8" and 1/2" drive



Characteristics

- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- DIN 7448 from vanadium special steel

Suitable for

- Hexagon socket

Item	Part No.
Socket 3/8" drive for Allen key, AF 4 mm	KL1260IS38I4
Socket 3/8" drive for Allen key, AF 5 mm	KL1260IS38I5
Socket 3/8" drive for Allen key, AF 6 mm	KL1260IS38I6
Socket 3/8" drive for Allen key, AF 8 mm	KL1260IS38I8
Socket 1/2" drive for Allen key, AF 4 mm	KL1260IS12I4
Socket 1/2" drive for Allen key, AF 5 mm	KL1260IS12I5
Socket 1/2" drive for Allen key, AF 6 mm	KL1260IS12I6
Socket 1/2" drive for Allen key AF 8 mm	KL1260IS12I8

Screwdriver sockets 3/8" and 1/2" drive for Plus/Minus screws



Characteristics

- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- DIN 7448 from vanadium special steel

Suitable for

- Plus/Minus screws

Item	Part No.
Socket 3/8" drive for Plus/Minus PM1	KL1230IS38PM1
Socket 3/8" drive for Plus/Minus PM2	KL1230IS38PM2
Socket 3/8" drive for Plus/Minus PM3	KL1230IS38PM3
Socket 1/2" drive for Plus/Minus PM1	KL1230IS12PM1
Socket 1/2" drive for Plus/Minus PM2	KL1230IS12PM2
Socket 1/2" drive for Plus/Minus PM3	KL1230IS12PM3

Screwdriver sockets - 3/8" and 1/2" for slotted screws



Characteristics

- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- DIN 7448 from vanadium special steel

Suitable for

- Slotted screws 5.5

Item	Part No.
Socket 3/8" drive for slotted screws, 5.5 mm	KL1200IS38S5
Socket 1/2" drive for slotted screws, 5.5 mm	KL1200IS12S5



Screwdriver sockets - 3/8" and 1/2" for Philips PH 2 screws



Characteristics

- Fully insulated acc. to EN 60900
- 2-colour dipped insulation - outside orange / inside yellow
- DIN 7448 from vanadium special steel

Suitable for

- Philips PH2 screws



Item	Part No.
Socket 3/8" drive for Phillips screws, PH2	KL1210IS38PH2
Socket 1/2" drive for Phillips screws, PH2	KL1210IS12PH2

VDE Tool case, 27-piece



Characteristics

- Hard shell, red
- Equipped with 27 mainly VDE-tested tools to DIN EN 60900

Item	Dimension mm	Weight g	Part No.
VDE Tool case, 27-pce.	515 x 420 x 230	9800	KL880B26IS
Scope of supply			Part No. Page
VDE Power combination pliers, 180 mm		KL020180IS	504
VDE Water pump pliers, jaw width 50 mm		KL070250IS	507
VDE Side cutter 160 mm		KL040160IS	505
VDE long-nose pliers, straight, 205 mm		KL050205IS	506
VDE Wire stripper, 160 mm		KL060160IS	507
VDE Cable cutter 160 mm		KL010160IS	504
VDE Slotted screwdriver, 2.5 x 0.4 mm		KL1007525IS	508
VDE Slotted screwdriver, 3.5 x 0.6 mm		KL10010035IS	508
VDE Slotted screwdriver, 4.0 x 0.8 mm		KL10010040IS	508
VDE Slotted screwdriver, 5.5 x 1.0 mm		KL10012555IS	508
VDE Phillips screwdriver, PH1		KL110PH1IS	508
VDE Phillips screwdriver, PH2		KL110PH2IS	508
VDE Pozidriv screwdriver, PZ1		KL120PZ1IS	508
VDE Pozidriv screwdriver, PZ2		KL120PZ2IS	508
VDE Plus/Minus screwdriver, Z1		KL130PM1IS	508
VDE Plus/Minus screwdriver, Z2		KL130PM2IS	508
Phase tester with heavy duty handle, one-pin, VDE 0680 150 V - 250 V		KL19073IS	509
Cable knife, straight		KL640GK	516
Rubber cover/blanket, large		KL625A1000	515
Plastic clamp for rubber cover/blanket		KL628	515
Protective gloves, size 10		KL60510	515
Cotton gloves		KL605U	515
Tweezers		KL690130	516
Cleaning brush		KL698	516
Control cabinet spirit level, 200 mm		KL420200	531
Automatic VDE wire stripper 0.2 - 6 mm ²		KL760180IS	507
Tool case red, empty		KL880L	522
VDE Electric power side cutter, 200 mm		KL044200IS	505

Tool case red, empty



Characteristics

- Hard shell, red

Item	Dimension mm	Weight g	Part No.
Tool case red, empty	515 x 420 x 230	4400	KL880L



STANDARD – KLAUKE BASIC TOOLS, SETS AND ACCESSORIES

With Klauke sets, you always have your basic equipment to hand. Whether you are an electronics technician or precision engineer - the Klauke range includes all standard versions through to pliers for water pumps and fittings. Rely on Klauke quality from the outset - even just for quick, occasional use.



► Socket wrench set KL 361

We have compiled the standard set of socket wrenches for you and made everything shockproof by storing in a high-quality plastic case. In total, the set comprises 29 pieces in 1/4" sizes.

- 29 piece: 16-piece bit set, bit holder, adapter, 7-piece socket set, professional ratchet, various extensions, T-Smart grip

► The apprentice's case: KL 855 B22

The impact-resistant case made from ABS material contains everything an apprentice electrician needs, from standard tools such as cable knives and phase testers through to VDE safety tools.

Head into your apprenticeship well-prepared!

► The technician's basic equipment: KL 905 B15

The practical notebook bag holds everything you need on-site. The 15-piece set is securely stowed in the fold-out compartments.

- Technician's notebook bag made from highly durable nylon
- Tools are quickly located thanks to fold-out front pocket

- Reliably transported due to splash-proof base
- Twin fixed carrying handle
- Basic set of VDE screwdrivers
- Standard tools such as phase tester and cable knife



Water pump pliers, jaw width 50 mm



Characteristics

- Jaw width 50 mm
- Safe working due to clamp protection and safety joint
- Ratchet adjustment
- Optimum hold due to toothed grip area
- Plastic coated handles
- 2-component handle

Part No.	KL070250G
Item	Water pump pliers, jaw width 50 mm
Dimension mm	250
Weight g	355

Water pump pliers



Characteristics

- Jaw width up to 65 mm
- Safe working due to clamp protection and safety joint
- Push button adjustment for setting quickly and accurately
- Inverted box joint with wide guide surfaces
- Optimum hold due to toothed grip area
- High retaining force and load-bearing capacity due to inductively-hardened teeth
- Plastic coated handles
- 2-component handle

Part No.	KL072180G	KL072250G	KL072300G
Item	Water pump pliers, jaw width 35 mm	Water pump pliers, jaw width 50 mm	Water pump pliers, jaw width 65 mm
Dimension mm	180	250	300
Weight g	190	300	530

Fitting pliers, jaw width 53 mm



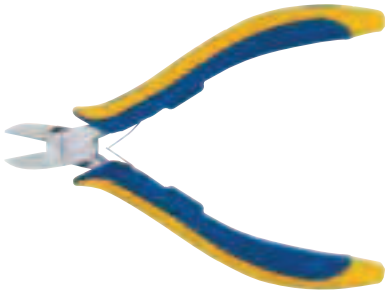
Characteristics

- Parallel and moveable jaws for maximum force
- Large jaw opening adjustable from 0 - 53 mm
- Safe working due to clamp protection and safety joint
- Push button adjustment for setting quickly and accurately
- Box joint
- Plastic coated handles

Part No.	KL078250G
Item	Fitting pliers, jaw width 53 mm
Dimension mm	250
Weight g	375



ESD Electronic side cutter



Characteristics

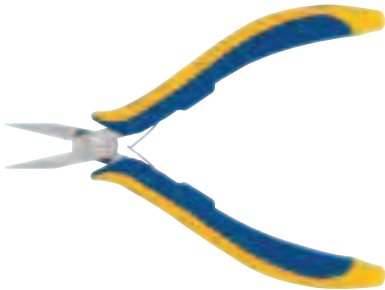
- Precision pliers for high precision work
- Double leaf spring with low friction
- High cutting force thanks to additional induction hardening
- Anti-static ergonomic non slip grips
- Surface resistance amounts to 1 to 100 MΩ

Suitable for

- For soft wires to 1.2 mm

Item	Dimension mm	Weight g	Part No.
Electronic side cutter, with facet	115	62	KL040115EL
Electronic side cutter, without facet/surface flush cut	115	60	KL040115ELW

ESD Electronic long-nose pliers



Characteristics

- Smooth inside jaws, edges rounded
- Anti-static ergonomic non slip grips
- Surface resistance amounts to 1 to 100 MΩ
- Optimised for gripping fine strands of wires

Item	Dimension mm	Weight g	Part No.
Electronic long-nose pliers	115	64	KL050115EL

Electronic side cutter



Characteristics

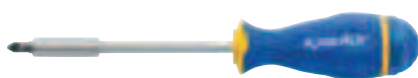
- Cutter angled at 21°
- Backlash-free operation
- With opening spring
- 2-component handle

Suitable for

- For soft wires to 1.3 mm dia.

Item	Dimension mm	Weight g	Part No.
Electronic side cutter, without wire trapping spring	128	64	KL040128EL
Electronic side cutter, with wire trapping spring	128	66	KL040128ELH

Screwdriver with interchangeable bits



Characteristics

- Compact, versatile, ergonomic

Item	Dimension mm	Weight g	Part No.
Screwdriver with interchangeable bits, 8-pce.	128	64	KL180B8

Scope of supply

Slotted screwdriver bit, 1.0 x 5.5 mm

Philips screwdriver bit, PH 1 & PH 2

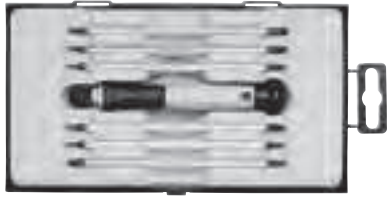
Pozidriv screwdriver bit, PZ 1 & PZ 2

TORX[®] screwdriver bit, Torx 15, 20, 25

Magnetic bit holder



Electronic assortment, 7-pce.



Characteristics

- 2-component handle
- Blade replacement by replacement blade holder

Item	Weight g	Part No.
Electronic assortment, 7-pce.	161	KL350
Scope of supply	Part No.	Page
Blade 1.5 x 0.25 - 3.0 x 0.5 mm	KLE3501	
Blade 2.0 x 0.4 - 3.5 x 0.6 mm	KLE3502	
Blade 2.5 x 0.4 - 4.0 x 0.8 mm	KLE3503	
Blade PH 000 - PH 00	KLE3504	
Blade PH 0 - PH 1	KLE3505	
Blade PH 0 - PZ 1	KLE3506	
Tool holder 95 x 14 mm	KLE3507	

Slotted screwdriver bit 1/4", 73 mm



Characteristics

- Shank 1/4" (6.3), DIN 3126

Item	Dimension mm	Weight g	Number parts	Part No.
Slotted screwdriver bit 1/4", 73 mm	73 x 0.6 x 3.5	16	2	KL2007335
Slotted screwdriver bit 1/4", 73 mm	73 x 0.8 x 4.0	18	2	KL2007340
Slotted screwdriver bit 1/4", 73 mm	73 x 1.0 x 5.5	26	2	KL2007355
Slotted screwdriver bit 1/4", 73 mm	73 x 1.2 x 6.5	34	2	KL2007365

Phillips screwdriver bit 1/4", 73 mm



Characteristics

- Shank 1/4" (6.3), DIN 3126

Item	Dimension mm	Weight g	Number parts	Part No.
Phillips screwdriver bit 1/4", 73 mm PH1	73 x PH 1	22	2	KL21073PH1
Phillips screwdriver bit 1/4", 73 mm PH2	73 x PH 2	30	2	KL21073PH2

Pozidriv screwdriver bit 1/4", 73 mm



Characteristics

- Shank 1/4" (6.3), DIN 3126

Item	Dimension mm	Weight g	Number parts	Part No.
Pozidriv screwdriver bit 1/4", 73 mm PZ1	73 x PZ 1	22	2	KL22073PZ1
Pozidriv screwdriver bit 1/4", 73 mm PZ2	73 x PZ 2	30	2	KL22073PZ2



Plus/Minus screwdriver bit, 1/4", 73 mm

Characteristics

- Shank 1/4" (6.3), DIN 3126



Item	Dimension mm	Weight g	Number parts	Part No.
Plus/Minus screwdriver bit, 1/4", 73 mm	73 x Z 1	20	2	KL23073PM1
Plus/Minus screwdriver bit, 1/4", 73 mm	73 x Z 2	30	2	KL23073PM2

TORX[®] screwdriver bit, 1/4", 73 mm

Characteristics

- Shank 1/4" (6.3), DIN 3126



Item	Dimension mm	Weight g	Number parts	Part No.
TORX [®] screwdriver bit, 1/4", 73 mm TX10	73 x TX 10	22	2	KL25073TX10
TORX [®] screwdriver bit, 1/4", 73 mm TX15	73 x TX 15	22	2	KL25073TX15
TORX [®] screwdriver bit, 1/4", 73 mm TX20	73 x TX 20	25	2	KL25073TX20
TORX [®] screwdriver bit, 1/4", 73 mm TX25	73 x TX 25	25	2	KL25073TX25
TORX [®] screwdriver bit, 1/4", 73 mm TX27	73 x TX 27	25	2	KL25073TX27
TORX [®] Screwdriver bit, 1/4", 73 mm TX30	73 x TX 30	30	2	KL25073TX30
TORX [®] Screwdriver bit, 1/4", 73 mm TX40	73 x TX 40	40	2	KL25073TX40

Magnetic holder for screwdriver bits, 1/4", 58 mm

Characteristics

- Shank 1/4" (6.3), DIN 3126
- Strong magnet

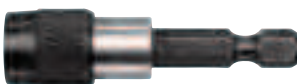


Item	Dimension mm	Weight g	Part No.
Magnetic holder for screwdriver bits, 1/4", 58 mm	58	32	KL290

Bit holder with quick-change chuck E6.3 1/4"

Characteristics

- Shank 1/4" (6.3), DIN 3126
- With quick-change chuck



Item	Dimension mm	Weight g	Part No.
Bit holder with quick-change chuck E6.3 1/4"	52	30	KL291

Adapter, 1/4", 50 mm



► Shank E 6.3 and 1/4" socket wrench

Characteristics

- Shank 1/4" (6.3)

Suitable for

- Drive for 1/4" socket wrenches

Item	Dimension mm	Weight g	Part No.
Adapter, 1/4", 50 mm	50	15	KL295

Adapter, 3/8", 50 mm



Characteristics

- Shank 3/8" (10), DIN 3126

Item	Dimension mm	Weight g	Part No.
Adapter, 3/8", 50 mm	50	22	KL296

Pliers set, 3-piece



Item	Weight g	Part No.
Pliers set, 3-piece	1000	KL315
Scope of supply		Part No.
Fitting pliers, jaw width 53 mm		KL078250G 524
Water pump pliers, jaw width 35 mm		KL072180G 524
Water pump pliers, jaw width 50 mm		KL072250G 524

Socket head bit set 1/4", 29-pce.



Item	Weight g	Number parts	Part No.
Socket head bit set 1/4", 29-pce.	1130	29	KL361
Scope of supply		Part No.	Page
16-pce. Bit set C6.3 1/4"		KLE3601	
Bit holder with quick-change chuck E6.3 1/4"		KL291	527
7-pce. Socket set AF5 - AF13 1/4"		KLE3602	
Adapter C6.3 (25 mm) 1/4"		KLE3603	
Extension E6.3 (150 mm) 1/4"		KLE3604	
Extension (75 mm) 1/4"		KLE3605	
Professional ratchet 1/4"			
T-Smart handle 105 x 39 mm 1/4"		KLE3607	



Allen key set, 7-pce.



Characteristics

- In practical holder

Item	Dimension mm	Weight g	Number parts	Part No.
Allen key set, 7-pce.	SW 2 - 8	171	7	KL370

Ball-point allen key set, 9-pce.



Characteristics

- In practical plastic holder

Item	Dimension mm	Weight g	Number parts	Part No.
Ball-point allen key set, 9-pce.	SW 1.5 - 10	273	9	KL375

Torque-wrench set, 0.6 - 1.5 Nm



Characteristics

- Easy torque adjustment using an Allen key
- Precise release when reaching the set torque

Item	Weight g	Number parts	Part No.
Torque-wrench set, 0.6 - 1.5 Nm	1048	14	KL38715
Scope of supply		Part No.	Page
Nm-slotted blade 3.0 x 0.5 x 170 mm		KLE387158	
Nm-slotted blade 3.5 x 0.6 x 170 mm		KLE387159	
Nm-Phillips blade PH 0 x 170 mm		KLE3871510	
Nm blade PZ 0 x 170 mm		KLE3871511	
Nm-TORX [®] blade TX 6 x 170 mm		KLE387151	
Nm-TORX [®] blade TX 7 x 170 mm		KLE387152	
Nm-TORX [®] blade TX 8 x 170 mm		KLE387153	
Nm-TORX [®] blade TX IP 7 x 170 mm		KLE387155	
Nm-TORX [®] blade TX IP 8 x 170 mm		KLE387156	
Nm-TORX [®] blade TX IP 9 x 170 mm		KLE387157	
Nm blade Z1 x 170 mm		KLE3883014	
Nm blade magnetic 170 mm		KLE3871512	
Nm handle 0.6 - 1.5 Nm		KLE3871513	
Adjusting spanner		KLE3871514	



Torque-wrench set, 1.5 - 3.0 Nm



Characteristics

- Easy torque adjustment using an Allen key
- Precise release when reaching the set torque

Item	Weight g	Number parts	Part No.
Torque-wrench set, 1.5 - 3.0 Nm, 14 pieces	1066	14	KL38830
Scope of supply			Part No. Page
Nm-slotted blade 4.0 x 0.8 x 170 mm			KLE388301
Nm-Phillips blade PH 1 x 170 mm			KLE388302
Nm-Phillips blade PH 2 x 170 mm			KLE388303
Nm blade PZ 1 x 170 mm			KLE388304
Nm blade PZ 2 x 170 mm			KLE388305
Nm-TORX® blade TX 10 x 170 mm			KLE388307
Nm-TORX® blade TX 15 x 170 mm			KLE388308
Nm-TORX® blade TX IP 10 x 170 mm			KLE3883010
Nm-TORX® blade TX IP 15 x 170 mm			KLE3883011
Nm blade Z1 x 170 mm			KLE3883014
Nm blade Z2 x 170 mm			KLE3883015
Nm blade magnetic 170 mm			KLE3883012
Nm handle 1.5 - 3.0 Nm			KLE3883013
Adjusting spanner			KLE3871514

Torque-wrench set, 3.0 - 5.4 Nm



Characteristics

- Easy torque adjustment using an Allen key
- Precise release when reaching the set torque

Item	Weight g	Number parts	Part No.
Torque-wrench set, 3.0 - 5.4 Nm	1066	14	KL38954
Scope of supply			Part No. Page
Nm-slotted blade 4.0 x 0.8 x 170 mm			KLE388301
Nm-Phillips blade PH 2 x 170 mm			KLE388303
Nm-Phillips blade PH 1 x 170 mm			KLE388302
Nm blade PZ 1 x 170 mm			KLE388304
Nm blade PZ 2 x 170 mm			KLE388305
Nm-TORX® blade TX 15 x 170 mm			KLE388308
Nm-TORX® blade TX IP 10 x 170 mm			KLE3883010
Nm-TORX® blade TX IP 15 x 170 mm			KLE3883011
Nm blade Z2 x 170 mm			KLE3883015
Nm blade magnetic 170 mm			KLE3883012
Nm handle 3.0 - 5.4 Nm			KLE3895413
Adjusting spanner			KLE3871514



Bit set, 6-piece, 1/4", 73 mm



Characteristics

- Shank 1/4" (6.3), DIN 3126
- KL330: 3.0 x 0.5 mm / 3.5 x 0.6 mm / 4.0 x 0.8 mm / 5.5 x 1.0 mm / PH 1 / PH 2
- KL331: PH 1 / PH 2 / PH 3 / PZ1 / PZ2 / PZ3
- KL335: TX10 / TX15 / TX20 / TX25 / TX30 / TX40

Item	Blade length mm	Weight g	Number parts	Part No.
Bit assortment, 1/4", 73 mm	73	120	6	KL330
Bit assortment, 1/4", 73 mm	73	120	6	KL331
TORX [®] bit assortment, 1/4", 73 mm	73	120	6	KL335

Bit box Swift, 7-piece, 1/4", 25 mm

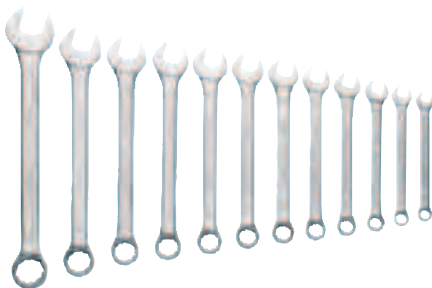


Characteristics

- Shank 1/4" (6.3), DIN 3126
- In practical holder
- Incl. magnetic holder
- 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

Item	Blade length mm	Weight g	Number parts	Part No.
Bit box Swift, 1/4", 25 mm	25	75	7	KL340
TORX [®] bit box swift, 1/4", 25 mm	25	75	7	KL345

Combination spanner set, 12-pce.



Characteristics

- Material: Chrome vanadium
- Surface: chromed

Item	Dimension mm	Weight g	Part No.
Combination spanner set, 12-pce.	SW 8 - 22	1055	KL365

Control cabinet spirit level, 200 mm



Characteristics

- With horizontal, vertical and 45° spirit level

Item	Dimension mm	Weight g	Part No.
Control cabinet spirit level, 200 mm	200x42x17	65	KL420200

Alu spirit level



Characteristics

- With horizontal and vertical spirit level

Item	Dimension mm	Weight g	Part No.
Alu spirit level, 400 mm	400 x 40 x 15	210	KL425400
Alu spirit level, 600 mm	600 x 40 x 15	305	KL425600

Wooden folding rule, 2 m



Characteristics

- White/yellow
- No. of links 10

Item	Weight g	Part No.
Wooden folding rule, 2 m	126	KL402

Measuring tape, 3 m



Characteristics

- With 3 functions: Length, inside dimension and circles

Item	Weight g	Part No.
Measuring tape, 3 m	124	KL403

Carpenter's pencil



Characteristics

- Oval shape
- Pointed

Item	Weight g	Part No.
Carpenter's pencil	10	KL449

Marking pen



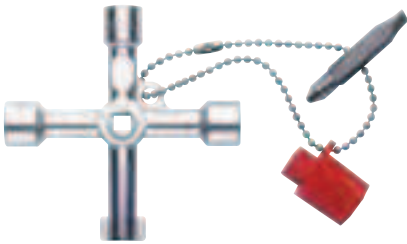
Characteristics

- Multimark permanent marker, black
- Fine tip 0.6 mm

Item	Weight g	Part No.
Marking pen	10	KL440F



Control cabinet key



Characteristics

- With chain, adapter and interchangeable bit 1/4"
- Inner square 5, 6 and 7-8 mm
- Triangular 9 mm
- Double pin keys 3 - 5 mm
- Bit PH2 and slot 1.2 x 0.7 mm
- Radiator valve key closing (5 mm square) in the centre slot

Item	Weight g	Part No.
Control cabinet key	75	KL500

Universal cabinet key, subkey Electro

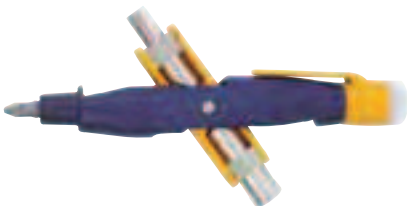


Characteristics

- 30% lighter and simpler opening mechanism
- Inner square 5, 6 and 7-8 mm
- Triangular 9 mm
- Double pin keys 3 - 5 mm
- Including 1/4" bit mounting and 2 double bits
- Radiator valve key closing (5 mm square) on the pin head
- Bit slot 1.2 x 7 mm, PH2

Item	Dimension mm	Weight g	Part No.
Universal cabinet key, subkey Electro	145	120	KL510

Universal cabinet key, SuBMaVo



Characteristics

- Incl. voltage field sensor to safely determine alternating current at e.g. cable connections, sockets, lamps
- Integrated magnetic field sensor for the contactless determination of magnetic fields or permanent magnets
- Twin rotating mechanism for 4 different control cabinet closures
- Square drive 6 and 7 - 8 mm
- Triangular 9 mm
- Double pin keys 3 - 5 mm
- Bit slot 1.2 x 7 mm, PH2

Item	Weight g	Part No.
Universal cabinet key, SuBMaVo	105	KL520





Engineer's hammer



Characteristics

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

Item	Dimension mm	Weight g	Part No.
Engineer's hammer, 300 g	370	300	KL580300
Engineer's hammer, 500 g	610	500	KL580500

Sledge hammer



Characteristics

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

Item	Dimension mm	Weight g	Part No.
Club hammer, 1000 g	1150	1000	KL5821000
Club hammer, 1250 g	1400	1250	KL5821250

Jointing chisel



Characteristics

- Chrome vanadium steel
- Safety head, annealed

Item	Dimension mm	Weight g	Part No.
Jointing chisel	230 x 26 x 7	250	KL584230

Electricians chisel



Characteristics

- Chrome vanadium steel
- Safety head, annealed

Item	Dimension mm	Weight g	Part No.
Electrician's chisel, 200 mm	200	90	KL585200
Electrician's chisel, 250 mm	250	120	KL585250

Safety handle for jointing chisel



Suitable for

- Jointing chisel, part no. KL584230

Item	Weight g	Part No.
Safety handle for jointing chisel	110	KL586



Cable knife



Characteristics

- Hinged, with plastic handle

Item	Dimension mm	Weight g	Part No.
Cable knife	80	115	KL540

Mini saw



Characteristics

- With fixed wooden handle

Item	Dimension mm	Weight g	Part No.
Mini saw	290	95	KL559
Metal saw blades, 12-piece	150	2	KL550ES

Universal saw

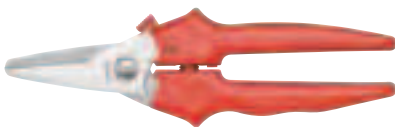


Characteristics

- With fibreglass reinforced plastic handle

Item	Dimension mm	Weight g	Part No.
Universal saw	250	170	KL550
Metal saw blades, 12-piece	150	2	KL550ES

Combination scissors



Characteristics

- Serrated cutting edges
- With safety lock
- Cuts e.g. round and flat material from copper, aluminium, plastic, paper, cardboard, leather

Item	Dimension mm	Weight g	Part No.
Combination scissors	190	100	KL545

Universal knife



Characteristics

- With adjustable and replaceable blades

Item	Dimension mm	Weight g	Part No.
Universal knife		305	KL542
Replacement blade for universal knife	60 x 19 x 0.5	8	KL542ES



Cutter knife



Characteristics

- Knife with knock-off blades, all 9 mm

Item	Dimension mm	Weight g	Part No.
Cutter knife	9	45	KL544
Replacement blade for cutter knife	9	5	KL544ES

Safety glasses uvex i-vo in microfibre bag



Characteristics

- Duo component technology with soft components for the sensitive zones (nose, forehead, ears) giving optimum and long-term wearing comfort
- Individual bar length adjustment
- Individual incline setting
- Clear lens for permanent anti-fog inside, extremely scratch-resistant outside
- Sun protection lens extremely scratch-resistant both sides
- Easy and quick replacement of the sunglasses' lens
- 100 % UV protection
- Elegant microfibre pouch, also suitable for cleaning the glasses

Item	Weight g	Part No.
Safety glasses uvex i-vo in microfibre bag	33	KL604
Sun protection lens for safety glasses KL604	23	KL604S



L-BOXX with basic equipment for electricians, 18-piece



Characteristics

- L-BOXX from shock and impact resistant ABS plastic, 100 kg capacity
- Stackable L-BOXXes due to Easy-Click system

Suitable for

- For integration in TÜV-approved in-vehicle equipment systems

Item	Dimension mm	Part No.
L-BOXX with basic equipment for electricians, 18-piece	442 x 357 x 151	LBOXXKLB18
Scope of supply	Part No.	Page
L-BOXX with front handle (W/D/H: 442 x 357 x 151 mm)	LBOXX136LFG	
VDE long-nose pliers, straight, 205 mm	KL050205IS	506
VDE Power combination pliers, 180 mm	KL020180IS	504
VDE Side cutter 160 mm	KL040160IS	505
VDE Cable cutter 160 mm	KL010160IS	504
Automatic VDE wire stripper 0.2 - 6 mm ²	KL760180IS	507
VDE Water pump pliers, jaw width 50 mm	KL070250IS	507
Measuring tape, 3 m	KL403	532
VDE Slotted screwdriver, 4.0 x 0.8 mm	KL10010040IS	508
VDE Slotted screwdriver, 5.5 x 1.0 mm	KL10012555IS	508
VDE Plus/Minus screwdriver, Z1	KL130PM1IS	508
VDE Plus/Minus screwdriver, Z2	KL130PM2IS	508
VDE Phillips screwdriver, PH1	KL110PH1IS	508
VDE Phillips screwdriver, PH2	KL110PH2IS	508
Phase tester with heavy duty handle, one-pin, VDE 0680 150 V - 250 V	KL19073IS	509
GT-85NE Bipolar voltage tester with LCD display	52049407	575
Hexagonal angle screwdriver set, 7-pce.	KL370	529
Cable knife with hooked blade	KL745HK	548
DM-200A Digital multimeter	52047801V2	578



Apprentice case



► Tool case can be personalised with own brand logo - <http://www.klauke.com/personalization>

Characteristics

- Case shell from impact-resistant ABS
- Robust aluminium frame with abutting edges
- Two lockable clips

Item	Dimension mm	Weight kg	Part No.
Apprentice case	500 x 470 x 210	6.0	KL855B22
Scope of supply		Part No.	Page
VDE Power combination pliers, 180 mm		KL020180IS	504
VDE Side cutter 160 mm		KL040160IS	505
VDE long-nose pliers, straight, 205 mm		KL050205IS	506
VDE Slotted screwdriver, 3.0 x 0.5 mm		KL10010030IS	508
VDE Slotted screwdriver, 4.0 x 0.8 mm		KL10010040IS	508
VDE Slotted screwdriver, 5.5 x 1.0 mm		KL10012555IS	508
VDE Pozidriv screwdriver, PZ1		KL120PZ1IS	508
VDE Pozidriv screwdriver, PZ2		KL120PZ2IS	508
VDE Plus/Minus screwdriver, Z1		KL130PM1IS	508
VDE Plus/Minus screwdriver, Z2		KL130PM2IS	508
Phase tester with heavy duty handle, one-pin, VDE 0680 150 V - 250 V		KL19073IS	509
Wooden folding rule, 2 m		KL402	532
Control cabinet spirit level, 200 mm		KL420200	531
Carpenter's pencil		KL449	532
Universal saw		KL550	535
Engineer's hammer, 300 g		KL580300	534
Cable knife with hooked blade		KL745HK	548
Automatic VDE wire stripper 0.2 - 6 mm ²		KL760180IS	507
Water brush			
Plasterer's bowl 125 mm			
Painter's spatula 40 mm			



Tool case Economy



► Tool case can be personalised with own brand logo - <http://www.klauke.com/personalization>

Characteristics

- Case shell from impact-resistant ABS
- Robust aluminium frame with abutting edges
- Two lockable clips

Item	Dimension mm	Weight kg	Part No.
Tool case Economy	500 x 400 x 210	5.7	KL855B8
Scope of supply			Part No. Page
VDE Power combination pliers, 180 mm			KL020180IS 504
VDE Side cutter 160 mm			KL040160IS 505
VDE long-nose pliers, straight, 205 mm			KL050205IS 506
VDE Slotted screwdriver, 3.0 x 0.5 mm			KL10010030IS 508
VDE Slotted screwdriver, 4.0 x 0.8 mm			KL10010040IS 508
VDE Slotted screwdriver, 5.5 x 1.0 mm			KL10012555IS 508
VDE Pozidriv screwdriver, PZ1			KL120PZ1IS 508
VDE Pozidriv screwdriver, PZ2			KL120PZ2IS 508

Professional tool case



► Tool case can be personalised with own brand logo - <http://www.klauke.com/personalization>

Characteristics

- Case shell from impact-resistant ABS
- Robust aluminium frame with abutting edges
- Two lockable clips

Item	Dimension mm	Weight kg	Part No.
Professional tool case with 19 tools	520 x 440 x 230	9.15	KL865B19
Scope of supply			Part No. Page
VDE Power combination pliers, 180 mm			KL020180IS 504
VDE Side cutter 160 mm			KL040160IS 505
VDE long-nose pliers, straight, 205 mm			KL050205IS 506
Water pump pliers, jaw width 50 mm			KL072250G 524
VDE Slotted screwdriver, 3.0 x 0.5 mm			KL10010030IS 508
VDE Slotted screwdriver, 4.0 x 0.8 mm			KL10010040IS 508
VDE Slotted screwdriver, 5.5 x 1.0 mm			KL10012555IS 508
VDE Pozidriv screwdriver, PZ1			KL120PZ1IS 508
VDE Pozidriv screwdriver, PZ2			KL120PZ2IS 508
VDE Plus/Minus screwdriver, Z1			KL130PM1IS 508
VDE Plus/Minus screwdriver, Z2			KL130PM2IS 508
Wooden folding rule, 2 m			KL402 532
Carpenter's pencil			KL449 532
Control cabinet key			KL500 533
Cable knife with blade protection, 1000 V			KL645GSK 516
Automatic VDE wire stripper 0.2 - 6 mm ²			KL760180IS 507
GT-55NE Bipolar voltage tester with LED display			52049408 575
Allen key set			
Open-end wrench set			





Professional roller trolley, 88-piece



Characteristics

- With 4-section telescopic handle, up to 1050 mm
- Document compartment
- Double aluminium frame
- Smooth-running thanks to large rubber casters
- Case shell manufactured from non-breakable ABS
- Loads up to 40 kg
- Hinges for case lid lock

Item	Dimension mm	Weight g	Part No.
Professional roller trolley, 88-piece	470 x 210 x 355	15500	KL890TB88
Scope of supply		Part No.	Page
Professional roller trolley, empty		KL890TL	541
VDE Power combination pliers, 180 mm		KL020180IS	504
VDE long-nose pliers, straight, 205 mm		KL050205IS	506
VDE Electric power side cutter, 200 mm		KL044200IS	505
VDE Wire stripper, 160 mm		KL060160IS	507
VDE Slotted screwdriver, 2.5 x 0.4 mm		KL1007525IS	508
VDE Slotted screwdriver, 3.5 x 0.6 mm		KL10010035IS	508
VDE Slotted screwdriver, 4.0 x 0.8 mm		KL10010040IS	508
VDE Slotted screwdriver, 5.5 x 1.0 mm		KL10012555IS	508
VDE Phillips screwdriver, PH1		KL110PH1IS	508
VDE Phillips screwdriver, PH2		KL110PH2IS	508
VDE Pozidriv screwdriver, PZ1		KL120PZ1IS	508
VDE Pozidriv screwdriver, PZ2		KL120PZ2IS	508
Phase tester with heavy duty handle, one-pin, VDE 0680 150 V - 250 V		KL19073IS	509
VDE Plus/Minus screwdriver, Z1		KL130PM1IS	508
VDE Plus/Minus screwdriver, Z2		KL130PM2IS	508
VDE Cable cutter 210 mm		KL010210IS	504
Bit assortment, 1/4", 73 mm		KL330	531
Wire stripper for flexible and solid conductors		KL760180	546
Combination spanner set, 12-pce.		KL365	531
Socket head bit set 1/4", 29-pce.		KL361	528
Universal cabinet key, subkey Electro		KL510	533
Universal saw		KL550	535
Crimping tool with interchangeable dies		K507	243
Wooden folding rule, 2 m		KL402	532
Carpenter's pencil		KL449	532
Cable knife with hooked blade		KL745HK	548
Round cable stripper 8 - 13 mm ²		KL710	548
Allen key set, 7-pce.		KL370	529
Engineer's hammer, 300 g		KL580300	534
Safety glasses uvex i-vo in microfibre bag		KL604	536
Marking pen		KL440F	532
GT-85NE Bipolar voltage tester with LCD display		52049407	575
Kwik Stepper™ step bit with ROTASTOP® shaft ISO 12 - 40 mm		50069888	467
NETcat® Micro NC-100 + 200EP		NC100EP	608
NETcat® Micro NC-100		52024541	608
TC-20 Nylon carrying case for measuring instruments with carrying strap		50075357	583



Engineers professional case, 15-piece



► Engineers basic equipment, mainly with VDE tools

Characteristics

- Technicians Notebook tool bag
- Material: hard-wearing nylon
- 90° folding-out front pocket
- High-quality zipper
- Spray-water protected bottom
- Each side pocket has a zipper
- Adjustable carrying belt with quick-release fastener and shoulder pad
- Twin fixed carrying handle
- Insert for visitor cards

Item	Part No.	
Engineers professional case, 15-piece	KL905B15	
Scope of supply	Part No.	Page
Technicians professional case, empty	KL905L	542
VDE Phillips screwdriver, PH1	KL110PH1IS	508
VDE Phillips screwdriver, PH2	KL110PH2IS	508
VDE Slotted screwdriver, 2.5 x 0.4 mm	KL1007525IS	508
VDE Slotted screwdriver, 4.0 x 0.8 mm	KL10010040IS	508
VDE Slotted screwdriver, 5.5 x 1.0 mm	KL10012555IS	508
Phase tester with heavy duty handle, one-pin, VDE 0680 150 V - 250 V	KL19073IS	509
VDE Plus/Minus screwdriver, Z1	KL130PM1IS	508
VDE Plus/Minus screwdriver, Z2	KL130PM2IS	508
Cable knife with hooked blade	KL745HK	548
VDE long-nose pliers, straight, 205 mm	KL050205IS	506
VDE Electric power side cutter, 200 mm	KL044200IS	505
Round cable stripper 8 - 13mm ²	KL710	548
VDE Power combination pliers, 165 mm	KL020165IS	504
Measuring tape, 3 m	KL403	532

Professional roller trolley, empty



Characteristics

- With 4-section telescopic handle, up to 1050 mm
- Document compartment
- Double aluminium frame
- Smooth-running thanks to large rubber casters
- Case shell manufactured from non-breakable ABS
- 2 compartments for business cards
- Two straps for writing instruments

Item	Dimension mm	Weight g	Part No.
Professional roller trolley, empty	470 x 210 x 355	6600	KL890TL



Professional installers case



Characteristics

- Robust version with plastic slide rails and upper metal rails with sponge rubber handle
- Adjustable carrying belt with quick-release fastener and shoulder pad
- Outdoors: 1 large lockable label pocket, 9 pockets, 2 Velcro® for fastening spirit level etc. Indoor connections: 3 compartments, 14 straps

Item	Dimension mm	Weight g	Part No.
Profi-installer's pocket	350 x 200 x 200	2600	KL920L

Technicians professional case, empty



Characteristics

- Material: highly durable nylon, splash-proof base
- 90° folding front pocket, each side pocket has a zipper
- Twin fixed carrying handle
- Adjustable carrying belt with quick-release fastener and shoulder pad
- Protected notebook compartment
- Insert for visitor cards
- High-quality zipper

Item	Dimension mm	Weight g	Part No.
Technicians professional case, empty	330 x 440 x 200	2600	KL905L



Tool wallet from nylon, empty



Characteristics

- Material: Polytex
- Accepts up to 11 tools

Item	Dimension mm	Weight g	Part No.
Tool wallet from nylon, empty	200 x 200 x 50	100	KL910L



PREPARATION WITH PRECISION - STRIPPING TOOLS

In the world of professionals, every assignment counts. Better if you can rely on your tool. Stripping tools from Klauke remove insulation and cable sheathing quickly and precisely. All strands remain intact.



► For very precise use

- Fast and precise removal of insulation and cable sheathing
- Automatic cross-section adjustment
- Reduced effort due to optimum power transmission
- Reduced wear
- Including replacement blade



Automatic wire stripper, 0.02 - 10 mm²



Characteristics

- Self-setting cutting and stripping tool for commercially available flexible cables 0.02 - 10 mm² and solid conductors to 1.5 mm²
- Easily replaceable blade system
- Long service life of pliers due to precise adjustment for stripping thin insulation without damaging the conductor
- Integrated side cutter

Item	Stripping range mm ²	Weight g	Part No.
Wire-stripping tool K43/2	0.02 - 10	140	K432
Automatic wire stripper K43/2-90, angled at 90°	0.02 - 10	140	K43290
Accessories			Part No.
Interchangeable cassette, black, for wire-stripping tool K432 0.02 - 10 mm ² flexible conductors and to 1.5 mm ² solid conductors			K432E
Interchangeable cassette, blue, for wire-stripping tool K432 for PTFE insulated conductors 0.1 - 4 mm ²			K432E2
Interchangeable cassette, red, for wire-stripping tool K432 / 4 - 16 mm ²			K432E3

Wire stripper with stepless stripping range 0.03 - 16 mm²



- ▶ First wire stripper with stepless stripping range 0.03 - 16 mm²
- ▶ Perfect for damage-free stripping of solid and flexible conductors with PVC

Characteristics

- Effortless working thanks to ergonomic styling
- Safe working thanks to integrated clamp protection
- Durable tool with easily replaceable blades
- Integrated side cutter up to max. 9 mm dia.
- High stability due to glass fiber reinforced polyamide
- Accurate and consistent stripping length thanks to adjustable stop

Item	Stripping range mm ²	Weight g	Part No.
Wire stripper with stepless stripping range 0.03 - 16 mm ²	0.03 - 16	140	K433



Wire stripper, 0.2 - 6 mm²



Characteristics

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

Suitable for

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

Item	Dimension mm	Stripping range mm ²	Weight g	Part No.
Wire stripper for flexible and solid conductors	180	0.2 - 6	130	KL760180

Wire stripper for round and flat cables



Characteristics

- Fine adjustment (5-way) on various cable types and cable diameters
- Optical length dimension 8 - 24 mm (5/16 - 1 inch)
- Integrated side cutter up to max. 3 mm dia.

Suitable for

- Flat cable: Baring and stripping of 2-core PVC-insulated flat cables from 0.75 - 1.5 mm²
- Round cable: Baring and stripping flexible cables in the range 0.5 - 16 mm² (20-6 AWG), solid conductors 0.5 - 10 mm² (20-8 AWG)

Item	Dimension mm	Stripping range mm ²	Weight g	Part No.
Wire stripper for round and flat cables	180	0.5 - 16	205	KL765FR215

Automatic wire stripper for round cables in the solar technology sector



Characteristics

- Fine adjustment (5-way) on various cable types and cable diameters
- Integrated side cutter up to max. 3 mm dia.
- Optical length dimension 8 - 24 mm (5/16 - 1 inch)

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.

Item	Dimension mm	Stripping range mm ²	Weight g	Part No.
Automatic wire-stripping tool for round cables in the solar technology sector	180	1.5 - 6	205	KL765PV



K 400 Professional wire stripping tool 4.5 - 40 mm



Characteristics

- Max. cutting depth of the knife: 4.5 mm
- Max. baring diameter: 21 mm (small hook)
- Max. baring diameter: 40 mm (large hook)
- Stop hook is replaceable

Item	Dimension mm	Weight g	Part No.
K 400 Professional wire stripping tool 4.5 - 40 mm	200 x 93 x 33	120	K400
Accessories			Part No.
K 400E Replacement blade for wire stripping tool K 400			K400E

Cable knife without blade



Characteristics

- Precise, fast and safe stripping of all standard round cables
- No damage to inner conductor due to stepless adjustment of cutting depth
- Round and long cut due to self-rotating knife

Item	Dimension mm	Weight g	Part No.
Cable knife, without blade 4 - 16 mm dia.	4 - 16	70	KL740416
Cable knife, without blade 8 - 28 mm dia.	8 - 28	70	KL740828
Accessories			Part No.
Replacement blade for electricians knife with hooked blade			KL749ES

Cable knife with straight blade



Characteristics

- Precise, fast and safe stripping of all standard round cables
- 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
- Round and long cut due to self-rotating knife

Item	Dimension mm	Weight g	Part No.
Cable knife with straight blade	4 - 28	80	KL745GK
Accessories			Part No.
Replacement blade for electricians knife with hooked blade			KL749ES



Cable knife with hooked blade



Characteristics

- Precise, fast and safe stripping of all standard round cables
- 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
- Round and long cut due to self-rotating knife

Item	Dimension mm	Weight g	Part No.
Cable knife with hooked blade	4 - 28	80	KL745HK
Accessories			Part No.
Replacement blade for electricians knife with hooked blade			KL749ES

Round cable stripper 8 - 13mm²



Characteristics

- Simple stripping even in hard-to-reach areas, e.g. ceiling and walls, junction and distribution boxes, switch cabinets etc.
- Strips round and damp proof installation cables from 8 - 13 mm dia. (e.g. NYM 3 x 1.5 mm² to 5 x 2.5 mm²)
- No need to adjust the cutting depth

Item	Dimension mm	Weight g	Part No.
Round cable stripper 8 - 13mm ²	8 - 13	43	KL710

Multi-stripper



Characteristics

- Universal stripping tool with the following functions: Baring, round cut, long cut, stripping, cutting

Item	Dimension mm	Weight g	Part No.
Multi-stripper	8 - 13	77	KL730

Photovoltaic stripper



Characteristics

- Replaceable blade system
- Protected blade
- Simple handling
- Fixed stripping from 8.5 mm
- Compact design

Suitable for

- For all standard PV cables to 8.5 mm

Item	Dimension mm	Weight g	Part No.
Photovoltaic stripper	8.5	40	KL735PV



Coax-stripper



Characteristics

- No need to adjust the cutting depth
- Gradual stripping of all standard coaxial cables (e.g. antenna and transmission cables) 4.8 - 7.5 mm outside diameter

Suitable for

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

Item	Part No.
Coax-stripper	KL720

Kiwi Stripper coax wire stripper - 3 stage



▶ Pre-set for three different cable types

Characteristics

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

Item	Part No.	
Kiwi Stripper coax wire stripper - 3 stage	50455770	
Accessories	Part No.	Page
Spare holder - 3 stage	50450395	
Spare holder - 2 stage	50450409	



Hand tools

Stripping tools for communication technology

DN-AW3 wire stripping tool, 2.5 - 11 mm



Characteristics

- For stripping signal, telephone, AV, control and data transmission cables from copper and fibreglass
- 9 adjustable cutting depths
- Cable capacity: 2.5 - 11 mm diameter
- Insulation thickness: up to 1 mm
- Interchangeable blade holder
- Including one holder with replacement blade

Item	Part No.	
DN-AW3 wire stripping tool, 2.5 - 11 mm	DNAW3	
Accessories	Part No.	Page
Spare holder for DN-AW3	DNAW3M	

Ratchet crimping tool for telephone lines



Characteristics

- Integrated cutting and stripping tool for ribbon cable
- The full radius ratchet mechanism permits consistent terminations with each operation
- Straight access guarantees consistent crimp connection
- Optimum handling due to ergonomically-shaped handle

Suitable for

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

Item	Part No.
Ratchet crimping tool for telephone lines	50455753



PUTS CABLE WHERE IT NEEDS TO BE SIMPLY AND SAFELY.

Takes every corner flexibly and robustly – cable pulling technology from Greenlee is set apart by quality and the simplest operation possible for every challenge.





Cable pulling technology

Fish tapes/pulling rods	556
Polyester	556
Perlon	556
Nylon	556
Steel	557
Flex-O-Twist speed flex leader	557
Fibreglass cable pulling rods	557
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Cable pulling systems	558
With Polyester tapes (Dura Spinner and Flexi Spinner)	558
With fibreglass tapes (Speedy Spinner)	559
Fish tapes in winder case	560
Smart Butler	562
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Cable puller	564
Easy Roller (cable drum unwinder)	564
Cable puller with accessory	564
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Pulling grips	566
Pulling grips, closed	566
Pulling grips, open	567
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Accessory	568



THE PULLING AID - CABLE PULLING TECHNOLOGY

Clean construction site - clean laying. Our cable pulling technology ensures that all cables are cleanly rolled in and out. No parts not required left lying around. No awkward handling. Greenlee pulling systems are made from high-quality ABS plastic. Making them robust and drop-proof. You are in control: Reliable laying with safe cable pulling technology.



In brief

- ▶ Simple pulling through of cables and conductors
- ▶ Cable puller made from polyester, perlon, nylon, steel and fibreglass
- ▶ Cable pulling rods for cavities and suspended ceilings
- ▶ Made from high-quality ABS plastic
- ▶ Solutions for light and heavy cable types, angled ducts or long straights



► The Dura Spinner

The Dura Spinner is small, but has a great effect. High-quality materials ensure robustness and the best functionality. Its user-friendly design also permits unwinding on the floor. The Dura Spinner is even able to hold in place cables that are laid around corners. A genuine help on the construction site.

- ABS plastic housing
- Cable puller made from virtually indestructible polyester tape
- Simple unwinding and rewinding
- Unwinding even on the floor
- User-friendly design ensures convenient and smooth operations





Polyester fish tape green 4.5 mm dia.



- ▶ 50% less friction than nylon tapes
- ▶ Extremely flexible and almost unbreakable

Characteristics

- High thrust due to twisted tape design
- Reduces the pulling force due to much lower friction
- Replaceable pulling eyelet and spring guide head

Additional information

- Further detailed information can be found in the application table on page i-12

Length	Part No.	Diameter mm
10 m	52055292	4.5
15 m	52055293	4.5
20 m	52055294	4.5
25 m	52055295	4.5
30 m	52055296	4.5
Accessory	Part No.	
5-piece accessory set for polyester fish tapes	52055396	

Perlon® fish tape 4 mm dia.



Characteristics

- With pressed M4 front piece
- With unscrewable spring guide head and pulling eyelet

Additional information

- Further detailed information can be found in the application table on page i-12

Length	Part No.	Diameter mm
5 m	52055276	4
10 m	52055277	4
15 m	52055278	4
20 m	52055279	4
25 m	52055280	4
30 m	52055281	4
Accessory	Part No.	
Replacement parts for Perlon fish tapes, comprising pulling eyes WW 1/2" (1) and spring guide head M4 (1)	52055288	

Nylon fish tape 4 mm dia.



Characteristics

- With pressed spring guide head and eyelet

Additional information

- Further detailed information can be found in the application table on page i-12

Length	Part No.	Diameter mm
5 m	52055270	4
10 m	52055271	4
15 m	52055272	4
20 m	52055273	4
25 m	52055274	4
30 m	52055275	4



Steel fish tape 4 mm dia.



Characteristics

- With pressed spring guide head and eyelet

Additional information

- Further detailed information can be found in the application table on page i-12

Length	Part No.	Diameter mm
5 m	52055282	4
10 m	52055283	4
15 m	52055284	4
20 m	52055285	4
25 m	52055286	4
30 m	52055287	4

Flex-O-Twist™ speed flex leader



Characteristics

- Especially suitable for sharp bends
- Flexible fish tape leader

Length	Part No.
300 mm	50308599

Fibreglass cable pulling rods



Characteristics

- Almost unbreakable due to special outer jacket
- Time-saving cable laying
- Laying also under the most difficult conditions

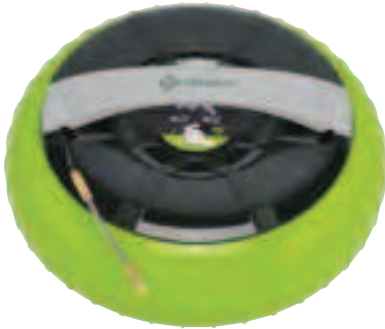
Suitable for

- Cable installation and laying
- Pulling or pushing

Length	Part No.	Version
10 m	52055385	Comprising of: 4 pce. light green fibreglass rods 5.6 mm dia. with WW connecting sleeve, 1 pce. light green fibreglass rod 5.6 mm dia. with WW connecting sleeve and universal joint, 2 pce. black fibreglass rods 6 mm dia. with WW connecting sleeve, 1 pce. white nylon rod 4 mm dia. with WW connecting sleeve, 2 pce. green fibreglass rods 4.6 mm dia. with WW connecting sleeve
5 m	52055386	Consists of: 3 pce. light green fibreglass sticks 5.6 mm dia. with WW connecting bushing, 1 pce. black fibreglass stick 6 mm dia. with WW connecting bushing, 1 pce. white nylon stick 4 mm dia. with WW connecting bushing
Accessories	Part No.	
Accessory set for cable pulling rods, 8-pcs.	52055387	
Accessory set for cable pulling rods, 4-pcs.	52055388	



Dura Spinner polyester fish tape system



Characteristics

- Thin and extremely robust fish tape
- Uncoiling also possible on the floor
- Unique, user-friendly design
- Goes into every corner and holds every cable

Suitable for

- The laying of additional cables

Item	Part No.
Dura Spinner 3.8 mm dia., 20 m	52074600
Dura Spinner 3.8 mm dia., 30 m	52074650
Scope of supply	Part No.
Dura Spinner accessory kit, 3 pieces	52074653
Accessories	Part No.
Dura Spinner spare fish tape 3.8 mm dia., 20 m	52074651
Dura Spinner spare fish tape 3.8 mm dia., 30 m	52074652

Flexi Spinner polyester cable pulling system



- ▶ **Almost unbreakable**
- ▶ **Approx. 50 % less frictional resistance compared with nylon and perlon**
- ▶ **High thrust for long distances with narrow bending radius**

Characteristics

- Highly-flexible polyester tape
- Modern design
- Robust housing

Additional information

- Further detailed information can be found in the application table on page i-12

Item	Length	Part No.	Diameter mm
Flexi Spinner polyester cable pulling system	20 m	52055389	4.5
Flexi Spinner polyester cable pulling system	25 m	52055390	4.5
Flexi Spinner polyester cable pulling system	30 m	52055391	4.5
Flexi Spinner, winder case empty		52055392	
Scope of supply	Part No.	Quantity	
5-piece accessory set for polyester fish tapes	52055396	1	
Accessories	Part No.	Page	
Polyester fish tape green 4.5 mm dia., 20 m	52055294	556	
Polyester fish tape green 4.5 mm dia., 25 m	52055295	556	
Polyester fish tape green 4.5 mm dia., 30 m	52055296	556	



Speedy Spinner fibreglass cable pull-in system



- ▶ Unique, user-friendly design
- ▶ Very simple and quick pulling in and out of fibreglass tapes

Characteristics

- One-handed operation
- Uncoiling also possible on the floor
- Flexible fibreglass spring for quick pulling in and out
- High thrust
- Accessory set supplied as standard

Suitable for

- Tube diameter: 16 - 32 mm

Additional information

- Further detailed information can be found in the application table on page i-12
- Always order repair adhesive separately!

Item	Diameter mm	Length	Part No.
Speedy Spinner fibreglass cable pull-in system	3	20 m	52055298
Speedy Spinner fibreglass cable pull-in system	3	30 m	52055299
Speedy Spinner fibreglass cable pull-in system	3	40 m	52055300
Scope of supply			Part No.
Head with eye M5			52055304
Spring guide head with eye M5			52055305
Spring guide head with eye M5 - 10 mm			52055306
Start/bushing sleeves M5			52055308
Connecting sleeves			52055309
Cable grip M5, 4-15 mm dia.			52055310
Pulling aid for pulling system 3 - 6 mm dia.			52055311
Accessories			Part No.
Speedy Spinner accessory, repair patch for fibreglass tape 3 mm dia.			52055312
Fibreglass replacement tape 3 mm dia., 20 m			52055289
Fibreglass replacement tape 3 mm dia., 30 m			52055290
Fibreglass replacement tape 3 mm dia., 40 m			52055291
Speedy Spinner repair set, 10-piece			52055303



MagnumPRO™ oil-hardened steel fish tape



Characteristics

- Winder case eases cable pulling
- Dirt-free tape finish
- High impact nylon winder case with large handle grip

Item	Tape dimensions mm	Length	Part No.
MagnumPRO™ oil-hardened steel fish tape	3.0 x 1.5	20 m	52041709
MagnumPRO™ oil-hardened steel fish tape	6.3 x 1.5	30 m	52041745
MagnumPRO™ oil-hardened steel fish tape	3.0 x 1.5	38 m	52041741
MagnumPRO™ oil-hardened steel fish tape	3.0 x 1.5	73 m	52041743
Accessories			Part No.
Rotating head eye for 3 mm fish tapes			50293672
MagnumPRO™ oil-hardened steel fish tape 60 m			52044594

MagnumPRO™ stainless steel fish tape



- ▶ **Stainless, speed flex leader**
- ▶ **Slim pulling eyelet permits trouble-free pulling in long and winding conduits**

Characteristics

- Can be used in conjunction with every steel fish tape with a tape dimension of 3.0 x 1.5 mm
- High impact nylon winder case with large handle grip

Item	Tape dimensions mm	Length	Part No.
MagnumPRO™ stainless steel fish tape	3.0 x 1.5	30 m	52041746
MagnumPRO™ stainless steel fish tape	3.0 x 1.5	60 m	52041747
Accessory			Part No.
Speed Flex leader for fish tapes with tape dimension 3.0 x 1.5 mm			50143921

MagnumPRO™ nylon fish tape



- ▶ **Non-conductive, non-coiling nylon tape**

Characteristics

- Diameter 4.8 mm
- High impact nylon winder case with large handle grip

Item	Diameter mm	Length	Part No.
MagnumPRO™ nylon fish tape	4.8	15 m	52041750
MagnumPRO™ nylon fish tape	4.8	30 m	52041751
Accessory			Part No.
Replacement tip			50016644



MagnumPRO™ fish tape



Characteristics

- Fish tape from multi-strand steel tape
- Flexible type
- High impact nylon winder case with large handle grip

Suitable for

- For quick and simple application

Item	Diameter mm	Length	Part No.
MagnumPRO™ fish tape	4.8	15 m	52041748
MagnumPRO™ fish tape	4.8	30 m	52041749

MagnumPRO™ fibreglass fish tape



Characteristics

- Non-conductive fibreglass tape with low friction coating
- To fish in small and large conduits even with wire or cable in place
- High impact nylon winder case with large handle grip

Suitable for

- Data and telecommunication industry

Item	Diameter mm	Length	Part No.
MagnumPRO™ fibreglass fish tape	4.5	15 m	52041752
MagnumPRO™ fibreglass fish tape	4.5	30 m	52041753
MagnumPRO™ fibreglass fish tape	4.8	60 m	50357468
MagnumPRO™ fibreglass fish tape	4.8	76 m	50357476
Accessory			Part No.
Fibreglass fish tape accessory set			50357506
Pulling eyelet 3.0 mm			50359193
Pulling eyelet 4.8 mm			50359304

Steel fish tape EZ Reach



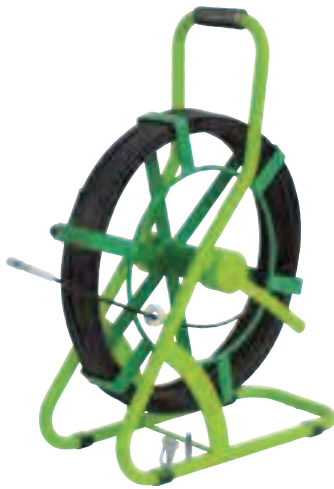
Characteristics

- With hand crank
- Flat steel tape for working above suspended ceilings, under carpets and through walls

Item	Tape dimensions mm	Part No.
Steel fish tape EZ Reach	7.5 x 6	50016962



Smart Butler fibreglass cable pulling-in system with steel reel basket



- ▶ Unique, user-friendly design, galvanised and sprayed
- ▶ Teflon-coated adapter for low resistance when winding and unwinding

Characteristics

- High thrust
- Low-friction unwinding and rewinding
- Secure working thanks to operative holding brake
- Effective working with accessories mounted directly on frame
- From size 790 mm dia. steel reel basket, incl. rollers

Item	Diameter mm	steel reel basket mm	Version	Length	Weight kg	Part No.
Smart Butler fibreglass cable pulling-in system 4.5 mm dia. with steel reel basket 330 mm dia. 40 m	4.5	330 dia.		40 m	4	52055313
Smart Butler fibreglass cable pulling-in system 330 mm dia. steel reel basket, 60 m	4.5	330 dia.		60 m	5	52055315
Smart Butler fibreglass cable pulling-in system 330 mm dia. steel reel basket, 80 m	4.5	330 dia.		80 m	6	52055316
Smart Butler fibreglass cable pulling-in system 550 mm dia. steel reel basket, 40 m	6.0	550 dia.		40 m	10	52055325
Smart Butler fibreglass cable pulling-in system 550 mm dia. steel reel basket, 60 m	6.0	550 dia.		60 m	11	52055326
Smart Butler fibreglass cable pulling-in system 550 mm dia. steel reel basket, 80 m	6.0	550 dia.		80 m	12	52055327
Smart Butler fibreglass cable pulling-in system 550 mm dia. steel reel basket, 100 m	6.0	550 dia.		100 m	12	52055328
Smart Butler fibreglass cable pulling-in system 660 mm dia. steel reel basket, 40 m	7.5	660 dia.		40 m	13	52055337
Smart Butler fibreglass cable pulling-in system 660 mm dia. steel reel basket, 60 m	7.5	660 dia.		60 m	14	52055338
Smart Butler fibreglass cable pulling-in system 660 mm dia. steel reel basket, 80 m	7.5	660 dia.		80 m	15	52055339
Smart Butler fibreglass cable pulling-in system 660 mm dia. steel reel basket, 100 m	7.5	660 dia.		100 m	17	52055340
Smart Butler fibreglass cable pulling-in system 660 mm dia. steel reel basket, 120 m	7.5	660 dia.		120 m	18	52055341
Smart Butler fibreglass cable pulling-in system 660 mm dia. steel reel basket, 40 m	9.0	660 dia.		40 m	14	52055347
Smart Butler fibreglass cable pulling-in system 660 mm dia. steel reel basket, 60 m	9.0	660 dia.		60 m	16	52055348
Smart Butler fibreglass cable pulling-in system 790 mm dia. steel reel basket, 80 m	9.0	790 dia.	incl. rollers	80 m	31	52055349
Smart Butler fibreglass cable pulling-in system 790 mm dia. steel reel basket, 100 m	9.0	790 dia.	incl. rollers	100 m	33	52055350
Smart Butler fibreglass cable pulling-in system 1000 mm dia. steel reel basket, 120 m	9.0	1000 dia.	incl. rollers	120 m	35	52055351
Smart Butler fibreglass cable pulling-in system 1000 mm dia. steel reel basket, 150 m	9.0	1000 dia.	incl. rollers	150 m	37	52055352
Smart Butler fibreglass cable pulling-in system 1000 mm dia. steel reel basket, 150 m	11.0	1000 dia.	incl. rollers	150 m	53	52055359
Smart Butler fibreglass cable pulling-in system 1000 mm dia. steel reel basket, 200 m	11.0	1000 dia.	incl. rollers	200 m	60	52055360
Smart Butler fibreglass cable pulling-in system 1000 mm dia. steel reel basket, 250 m	11.0	1000 dia.	incl. rollers	250 m	67	52055361
Smart Butler fibreglass cable pulling-in system 1000 mm dia. steel reel basket, 300 m	11.0	1000 dia.	incl. rollers	300 m	75	52055362



Scope of supply

4.5 / 6 mm dia.: Tension head with eyelet, pulling-in tape with pressed start/end sleeves, connecting sleeve WW 1/4"-M6, starting spinner with shackle

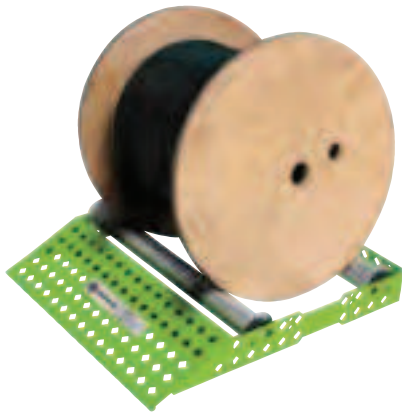
7.5 / 9 / 11 mm dia.: Tension head with eyelet, fish tape with pressed start/end sleeves, connecting sleeve WW 1/2"-M12, starting spinner with shackle

Accessories	Part No.	Accessory	Part No.
Smart Butler fibreglass replacement tape 4.5 mm dia., 40 m	52055317	Starter and end bushing WW 1/2" for fish tape 9 mm dia.	52055370
Smart Butler fibreglass replacement tape 4.5 mm dia., 60 m	52055318	Starter and end bushing WW 1/2" for fish tape 11 mm dia.	52055371
Smart Butler fibreglass replacement tape 4.5 mm dia., 80 m	52055319	Connecting sleeve for fibreglass 4.5 mm dia.	52055322
Smart Butler fibreglass replacement tape 6 mm dia., 40 m	52055329	Connecting sleeve for fibreglass 6 mm dia.	52055334
Smart Butler fibreglass replacement tape 6 mm dia., 60 m	52055330	Connecting sleeves for fibreglass tape 9 mm dia.	52055372
Smart Butler fibreglass replacement tape 6 mm dia., 80 m	52055331	Connecting sleeves for fibreglass tape 11 mm dia.	52055373
Smart Butler fibreglass replacement tape 6 mm dia., 100 m	52055332	Connecting sleeve WW 1/2" with rotary swivel	52055374
Smart Butler fibreglass replacement tape 7.5 mm dia., 40 m	52055342	Bulb with shackle WW 1/4" for 4.5 mm dia.	52055323
Smart Butler fibreglass replacement tape 7.5 mm dia., 60 m	52055343	Bulb with shackle WW 1/4" for 6.0 mm dia.	52055335
Smart Butler fibreglass replacement tape 7.5 mm dia., 80 m	52055344	Bulb with shackle WW 1/2" for 7.5 mm dia.	52055367
Smart Butler fibreglass replacement tape 7.5 mm dia., 100 m	52055345	Bulb with castor WW 1/2"	52055368
Smart Butler fibreglass replacement tape 7.5 mm dia., 120 m	52055346	Tension head with eyelet WW 1/4" for 4.5 - 6 mm dia.	52055320
Smart Butler fibreglass replacement tape 9 mm dia., 40 m	52055353	Emergency repair set for fibreglass tape 4.5 mm dia.	52055324
Smart Butler fibreglass replacement tape 9 mm dia., 60 m	52055354	Emergency repair set for fibreglass tape 6 mm dia.	52055336
Smart Butler fibreglass replacement tape 9 mm dia., 80 m	52055355	Emergency repair set for fibreglass tape 7.5 mm dia.	52055375
Smart Butler fibreglass replacement tape 9 mm dia., 100 m	52055356	Emergency repair set for fibreglass tape 9 mm dia.	52055376
Smart Butler fibreglass replacement tape 9 mm dia., 120 m	52055357	Emergency repair set for fibreglass tape 11 mm dia.	52055377
Smart Butler fibreglass replacement tape 9 mm dia., 150 m	52055358		
Smart Butler fibreglass replacement tape 11 mm dia., 150 m	52055363		
Smart Butler fibreglass replacement tape 11 mm dia., 200 m	52055364		
Smart Butler fibreglass replacement tape 11 mm dia., 250 m	52055365		
Smart Butler fibreglass replacement tape 11 mm dia., 300 m	52055366		
Starter and end bushing WW 1/4" for fish tape 4.5 mm dia.	52055321		
Starter and end bushing WW 1/4" for fish tape 6.0 mm dia.	52055333		
Starter and end bushing WW 1/2" for fish tape 7.5 mm dia.	52055369		





Easy Roller cable drum unwinder



- ▶ Unique, user-friendly design
- ▶ 30 % less weight
- ▶ Ramp with shallow incline

Characteristics

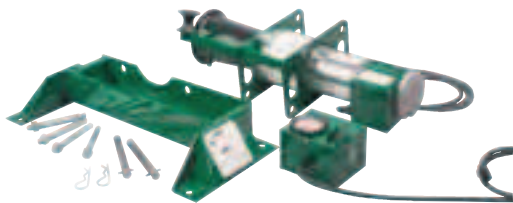
- Light - 30% less weight
- Easy loading and unloading of heavy cable drums thanks to the shallow inclined ramp
- Rollers with integrated side guides
- Possible to fit to the cable drum diameter

Suitable for

- Large and small cable drums
- Width 530 mm, 200 kg carrying capacity
- Width 670 mm, 250 kg carrying capacity

Item	Dimension mm	Width mm	Part No.
Standard	530 x 570 x 90	530	52055383
Wide	670 x 605 x 95	670	52055384

Ultra Tugger™ cable puller 6800-22 CE



- ▶ Lightweight, portable cable puller
- ▶ Tapered capstan and patented rope guide system for better control of the rope when feeding onto the capstan
- ▶ Pulling force gauge for monitoring the max. pulling of 3.6 t

Characteristics

- Direct gear drive

Technical data	
Maximum pulling force	3.6 t
Continuous output	3 t
Pulling rate	2.7 m/min at no load, 2.4 m/min at 900 kg load, 2.3 m/min at 1.8 kg load, 2.1 m/min at 2.7 kg load, 1.8 m/min at 3.6 kg load
Dimension	300 x 660 x 220 mm
Motor	230 V, 50 Hz
Item	Part No.
Ultra Tugger™ cable puller 6800-22 CE	50031961
Scope of supply	Part No.
Pulling force gauge	50010697
Device for floor-mounting	50008650



Rope for cable puller 6800-22 CE



Characteristics

- Breaking strength approx. 14.2 t
- Rope diameter 22 mm
- Rope on rope stand

Item	Part No.
Rope for cable puller 6800-22 CE, 91 m	50341367
Rope for cable puller 6800-22 CE, 182 m	50341375
Rope for cable puller 6800-22 CE, 365 m	50341383
Rope stand for ropes 91 m and 182 m	50343629

Tray type sheaves for cable puller 6800-22 CE

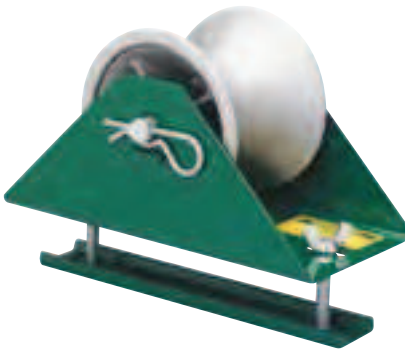


Characteristics

- Steel frames with forged eyelet 25 mm
- Sheaves from aluminium alloy with self-lubricating bearings
- Max. rated capacity 3.6 t
- Tool support/hanging ring (Carabiner)

External diameter mm	Internal radius mm	Width mm	Weight kg	Part No.
300	100	125	12	50008722
460	180	150	20	50008730
600	250	165	30	50008749

Platform-type sheave 125 mm

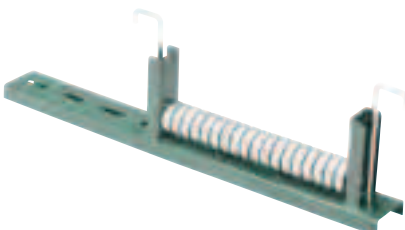


Characteristics

- Sheaves from aluminium alloy
- Self-lubricating bearings
- Steel frames for mounting to cable ducts up to 50 mm thickness
- Extremely robust

Length mm	Width mm	Weight kg	Part No.
300	125	5	50153323
560	125	8	50190946

Platform-type sheave



Characteristics

- Steel ball-bearings
- Steel frames
- Mounting slots
- Universal mounting brackets

Part No.	Version	Width of cable conduit mm	Weight kg
50273833	Straight	300 - 450	3.6
50273841	Straight	500 - 600	4.5
50273868	Straight	600 - 760	5.9
50273884	Radius	300 - 450	5
50273892	Radius	500 - 600	5.4
50273906	Radius	600 - 760	5.9



Pulling grips Junior, closed

Characteristics

- Single weave, galvanized steel mesh with flexible pulling eyelet

Suitable for

- The pulling-in of small diameter cables
- For manual pulling of feed lines in pipes and cable ducts



Part No.	Length of mesh mm	Eye length mm	For cable diameter mm	Max. pulling force kN
50305964	110	83	5 - 6	0.3
50305840	110	83	7 - 9	0.4
50305867	180	96	10 - 12	0.8
50305883	220	110	13 - 15	1.1
50305905	255	130	16 - 18	1.7
50305921	255	146	19 - 25	2.4
50305948	300	165	26 - 31	3.4

T-Basket type pulling grips, closed

Characteristics

- Double weave galvanized steel mesh with flexible pulling eyelet

Suitable for

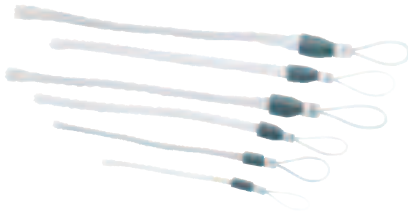
- Medium-weight pulls in pipes and cable ducts



Part No.	Length of mesh mm	Eye length mm	For cable diameter mm	Max. pulling force kN
50305581	535	200	13 - 15	4.0
50305603	610	200	16 - 18	4.9
50305620	610	230	19 - 25	6.0
50305646	610	230	26 - 38	8.7
50305662	610	280	39 - 50	14.5
50305689	610	300	51 - 63	16.4
50305700	610	300	64 - 76	21.7
50305727	610	360	77 - 88	21.7
50305743	660	360	89 - 100	27.5
50305760	915	230	19 - 25	6.0
50305786	915	230	26 - 38	8.7
50310100	915	280	39 - 50	14.5
50305808	915	300	51 - 63	16.4
50310127	915	300	64 - 76	21.7
50305824	915	360	77 - 88	21.7
50310143	1020	360	89 - 100	27.5



Pulling grip set, closed

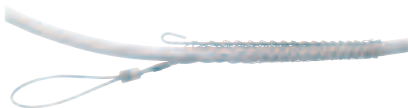


Characteristics

- Set of the most important pulling grips for the most frequently required pulling operations

Part No.	Diameter mm
50307584	7 - 31
50314823	19 - 50
50314831	51 - 76
50314840	19 - 76

Pulling grip, open



Characteristics

- Single weave, galvanised steel netting mesh with bar closure
- Offset flexible eyelet

Suitable for

- Easy and straight pulls when the cable end is not available

Part No.	Length of mesh mm	Eye length mm	For cable diameter mm	Max. pulling force kN
50306588	150	175	13 - 15	1.3
50310240	200	175	16 - 18	1.6
50306600	250	175	19 - 25	1.9
50310267	300	200	26 - 31	3.0
50306626	350	200	32 - 38	4.0
50310283	380	230	39 - 44	5.1
50306642	400	250	45 - 50	6.7
50310305	480	250	51 - 63	8.0
50306669	500	250	64 - 76	9.7
50310321	530	300	77 - 88	10.6
50306685	600	300	89 - 100	10.6

Cable Cream™ cable puller lubricant



Characteristics

- Adheres well without dripping
- Easy to remove
- Won't break after exposure to heat or freezing cold
- Quality cream (yellow) for quick and easy application

Item	Part No.
Cable Cream™ cable puller lubricant, 0.95 l	50352075
Cable Cream™ cable puller lubricant, 3.8 l	50352083

Cable installation lubricant



Characteristics

- Reduces friction by up to 80 %
- Biodegradable
- Harmless to the user

Suitable for

- Electric/telephone cables in pipes 16 - 25 mm dia.
- Large cable diameters

Item	Part No.
Cable lubricant gel in tube 0.25 kg	52055379
Lubricant foam bottle 1.00 kg	52055380
Cable lubricant liquid for optical fibres and power cables, canister 5 kg	52055381
Cable lubricant liquid for optical fibres and power cables, canister 10 kg	52055382

Lubricant spray



Characteristics

- Reduces friction by up to 80 %
- Biodegradable
- Silicon-free

Suitable for

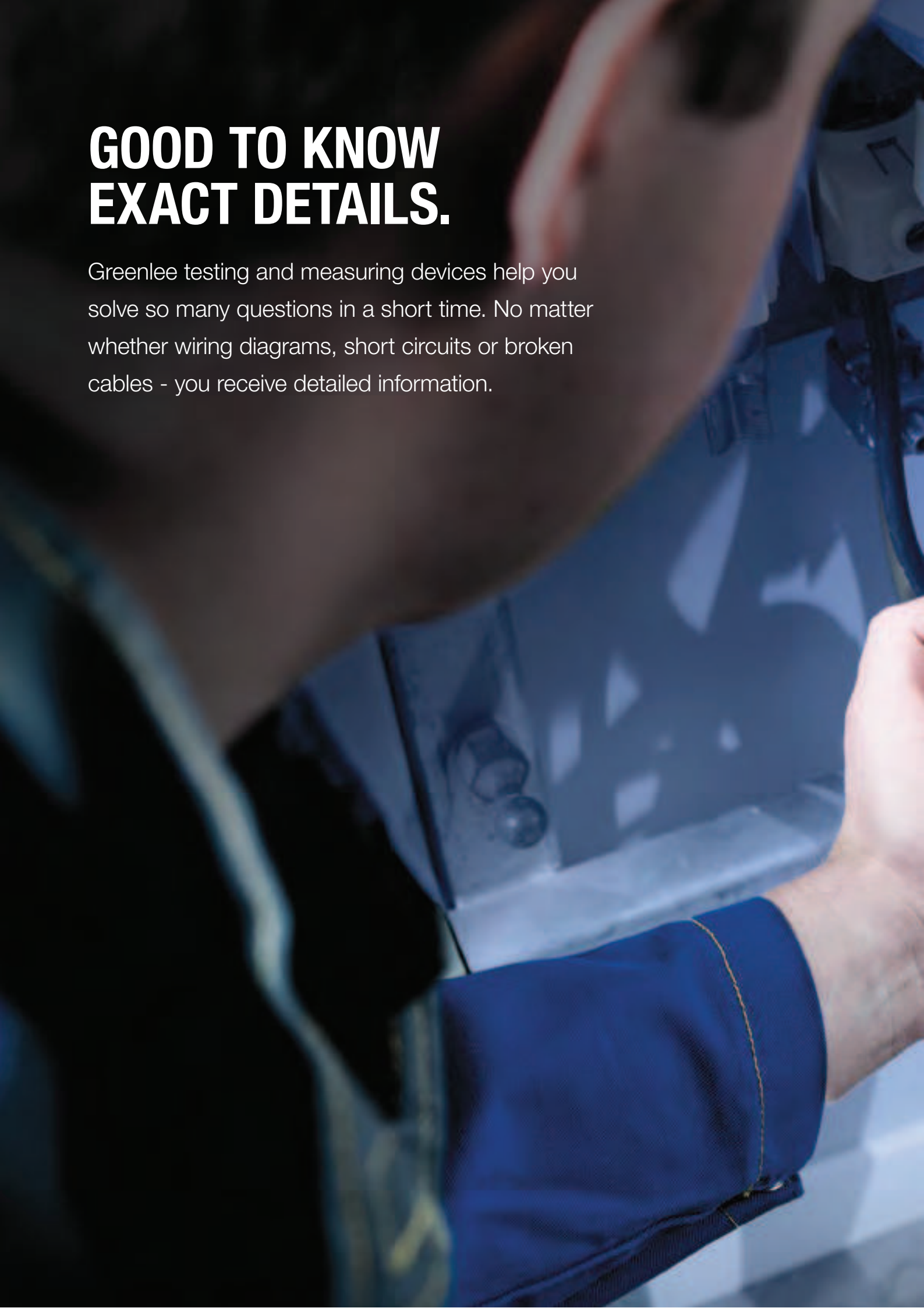
- Electric/telephone cables in pipes 16 - 25 mm dia.

Item	Part No.
Lubricant foam bottle 400 ml	52055378



GOOD TO KNOW EXACT DETAILS.

Greenlee testing and measuring devices help you solve so many questions in a short time. No matter whether wiring diagrams, short circuits or broken cables - you receive detailed information.





Testing and measuring instruments

Voltage testers	572
Digital multimeter	576
Digital clamp meters	584
Test and measuring instruments for medium and high voltage	590
Temperature measuring devices	598
Cable and conductor identifiers	602
Network measuring devices and testers	606



IMMEDIATELY TO HAND – VOLTAGE TESTERS

Greenlee voltage testers - whether contactless or two-pole - are practically immediately to hand. Always to hand in pocket format, they measure voltages from 5 V to 1000 V AC and 12 V to 750 V AC/DC. If voltage is present, the tester emits an acoustic or optical signal as a warning. Ergonomically-shaped handles ensure the best grip, even when used outdoors. Stay safe with our Greenlee brand.



In brief

- ▶ Practical pocket format
- ▶ Automatic warning signals when voltage is present
- ▶ Also for contactless detecting
- ▶ Suitable for outdoor use



▶ **Contactless measuring with the GT-16**

The GT-16 is the practical pen-shaped voltage tester. Automatic signalling in case of voltage and an integrated self-test make the GT-16 a tester with maximum user safety.

- Readily detects broken cables
- Maximum safety through CAT IV 1000 V
- Integrated self-test for optimum safety
- Optical and acoustic signal in case of voltage
- Select from various voltage levels via adjustable sensitivity
- Ergonomic handle
- Limited Lifetime Warranty



▶ **Two-pole measuring with the GT-85NE**

The Greenlee GT-85NE is the ideal solution for voltages from 12 V to 750 V AC/DC. Able to withstand adverse operating conditions.

- Wider AC and DC voltage measurement range
- Acoustic signal with voltages maximises safety
- Automatic phase sequence indicator
- Water and dust proof
- Drop-resistant from 1 m
- Suitable for outdoor use
- Limited Lifetime Warranty



GT-12A Contactless voltage tester 50 - 1000 V



Characteristics

- Contactless voltage testing
- Clear LED and acoustic warning signal when the voltage has been determined
- ON/OFF switch provides longer battery service life
- Handy pen format, which fits easily into a jacket or tool pocket
- Fast, easy replacement of batteries
- Automatic self test

Technical data		
Frequency range	50 - 500 Hz	
Voltage range	50 - 1000 V AC	
Measuring category	CAT IV 1000 V	
Item	Part No.	
GT-12A Contactless voltage tester 50 - 1000 V	52063422	
Scope of supply	Part No.	Page
Battery 2 x 1.5 V AAA		

GT-16 Adjustable, contactless voltage tester 5 - 1000 V



Characteristics

- Contactless voltage testing
- Clear LED and acoustic warning signal when the voltage has been determined
- ON/OFF switch provides longer battery service life
- Handy pen format, which fits easily into a jacket or tool pocket
- Optimum handling due to ergonomically-shaped handle
- Fast, easy replacement of batteries
- Automatic self test
- Adjustable sensibility by rotary switch

Technical data		
Frequency range	50 - 500 Hz	
Voltage range	5 - 1000 V AC	
Measuring category	CAT IV 1000 V	
Item	Part No.	
GT-16 Adjustable, contactless voltage tester 5 - 1000 V	52033580	
Scope of supply	Part No.	Page
Battery 1 x 1.5 V AAA		



GT-55NE Bipolar voltage tester with LED display



Characteristics

- LED Display 12, 24, 50, 120, 230, 400, 750 V AC/DC
- Power LED for measuring point illumination
- Display of AC and DC voltage
- Bipolar rotary field testing
- Unipolar phase testing, optical and acoustic
- Continuity check, optical and acoustic
- Drop proof from 1 m
- Polarity indicator, loud beeper
- IP2X contact protection
- IP65 - splash water proof and dust tight

Technical data		
Frequency range	45 - 65 Hz	
Voltage range	12 - 750 V AC/DC	
Measuring category	CAT III 1000 V, CAT IV 600 V	
Item	Part No.	
GT-55NE Bipolar voltage tester with LED display	52049408	
Scope of supply	Part No.	Page
Battery 2 x 1.5 V AAA		
Accessories	Part No.	Page
TC-30 Nylon carrying case for measuring instruments with belt loop	50075365	589
Replacement tips	52034234	

GT-85NE Bipolar voltage tester with LCD display



Characteristics

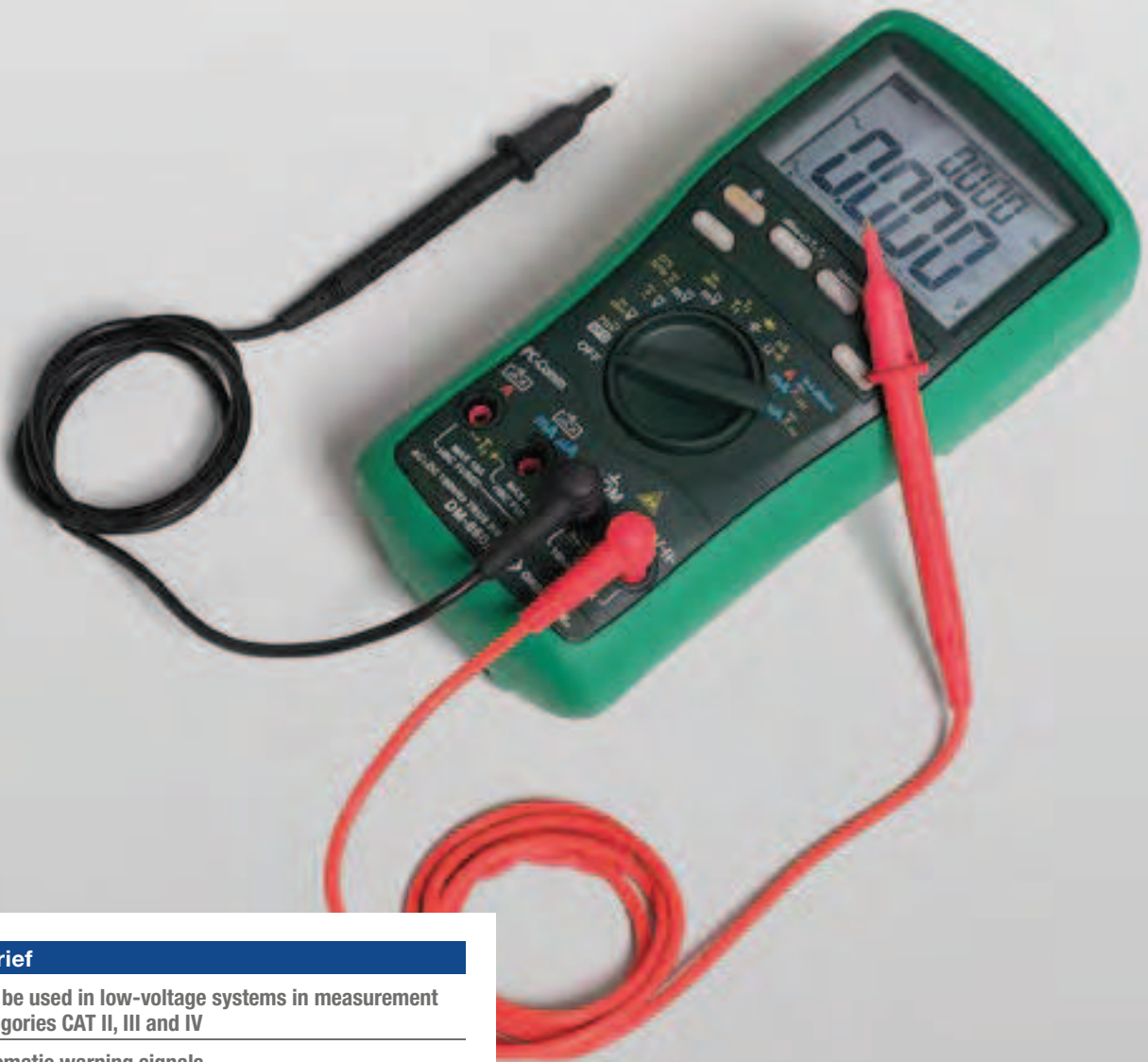
- LC display with backlit display
- Resistance measurement to 2 K Ω
- Power LED for measuring point illumination
- Display of AC and DC voltage
- Bipolar rotary field testing
- Unipolar phase testing, optical and acoustic
- Continuity check, optical and acoustic
- Drop proof from 1 m
- Polarity indicator, loud beeper
- IP2X contact protection
- IP65 - splash water proof and dust tight

Technical data		
Voltage range	12 - 750 V AC/DC	
Resistance	0 - 2 K Ω	
Frequency measurement	30 - 999 Hz	
Measuring category	CAT III 1000 V, CAT IV 600 V	
Item	Part No.	
GT-85NE Bipolar voltage tester with LCD display	52049407	
Scope of supply	Part No.	Page
Battery 2 x 1.5 V AAA		
Accessories	Part No.	Page
TC-30 Nylon carrying case for measuring instruments with belt loop	50075365	589
Replacement tips	52034234	



VERSATILE IN USE – DIGITAL MULTIMETER

Greenlee multimeters are highly versatile. The functions are geared to your tasks in low-voltage systems. The multimeters measure on phase shift controllers, test conductors for breaks and indicate results in measurement categories CAT II, III and IV. To evaluate and archive the measurements, connect the devices to your PC via a USB cable. Select one multimeter for all tasks.



In brief

- ▶ Can be used in low-voltage systems in measurement categories CAT II, III and IV
- ▶ Automatic warning signals
- ▶ Also for true RMS measurements
- ▶ Contactless voltage testing



► Basic: Multimeter DM-510A

The DM-510A performs all elementary functions. This is the basic meter for every qualified electrician.

- Suitable for industrial electricians and in building installations
- Integrated contactless voltage tester for locating broken cables
- Temperature measurement function via a thermocouple type K (included in the scope of supply) for checking air-conditioning systems in control cabinets or buildings
- Elementary functions for trouble shooting



► Industrial application: Multimeter DM-820A

Equipped with true RMS measurement (TRMS function), the DM-820A can also measure non-sinusoidal voltages and currents precisely and reliably. The multimeter knows immediately if measuring lines are incorrectly connected and sends a warning signal and error message on the display.

- Can be used in all low-voltage systems in measurement category CAT IV 1000 V
- Measurements on frequency converters, phase shift controls and mains units without disruptions by voltage peaks
- Integrated TRMS function for measuring non-sinusoidal voltages and currents
- Automatic “Beep Jack” warning signal and optical signal on the display when measuring lines are incorrectly connected



► For dual displays: Multimeter DM-860A

Perfect for troubleshooting in electrical systems: The DM-860A allows you to measure and display two measurements at the same time. Saving time and providing an overview. All values are easily legible on the large white display. The DM-860A withstands voltage peaks of up to 12,000 V.

- Extra large display for easy reading
- Dual display: Two measurements can be displayed at the same time
- Measurement category CAT IV 1000 V offers the best-possible safety
- Loop current function: Displays faults in measurement and control equipment



PDMM-20 Pocket digital multimeter



Characteristics

- AC/DC voltage measurement
- Resistance measurement
- Acoustic continuity check
- Contactless voltage testing

Technical data		
Dimension	113 x 53 x 13 mm	
Weight	0.08 kg	
Display	LCD, 6000	
Capacitance	up to 100 µF	
Voltage measurement	1 mV - 450 V	
Resistance	0.001 kΩ - 6 MΩ	
Frequencymeasurement	10 Hz - 30 kHz	
Measuring category	CAT II 450 V, CAT III 300 V	
Item	Part No.	
PDMM-20 Pocket digital multimeter	50116894v2	
Scope of supply	Part No.	Page
Protective cover		
Test leads		
Battery 3V button cell		

DM-200A Digital multimeter



Characteristics

- Contactless voltage testing
- Automatic and manual range selection
- Large, background lit LC display
- Auto off
- Analogue bar chart
- Optical and acoustic warning in the event of incorrect handling

Technical data		
Dimension	161 x 80 x 50 mm	
Weight	0.34 kg	
Display	LCD, 6000	
Voltage measurement	0.01 mV - 1000 V AC/DC	
Current measurement	0.1 µA - 8 A AC/DC	
Resistance	0.1 Ω - 60 MΩ	
Frequencymeasurement	10 Hz - 50 kHz sinus wave; 5 Hz - 1 MHz square wave logic level	
Measuring category	CAT II 1000 V, CAT III 600 V, CAT IV 300 V	
Interface	R>S232, USB	
Item	Part No.	
DM-200A Digital multimeter	52047801V2	
Scope of supply	Part No.	Page
TSG-3 test leads	50120344	
Protective cover		
Battery 2 x 1.5 V AAA		
Accessories	Part No.	Page
DMSC-2U Interface kit, for downloading data (DM-200A, DM-210A, DM-510A)	52047947	582



DM-210A Digital multimeter for temperature measurement -50 °C up to +1000 °C



Characteristics

- Includes thermoelement
- Automatic and manual range selection
- Large, background lit LC display
- Automatic shut-off
- Analogue bar chart
- Optical and acoustic warning in the event of incorrect handling

Technical data

Capacitance	60 nF - 3000 µF
Voltage measurement	0.01 mV - 1000 V AC/DC
Current measurement	0.1 µA - 8 A AC/DC
Resistance	0.1 Ω - 60 MΩ
Frequency measurement	10 Hz - 50 kHz sinus wave; 5 Hz - 1 MHz square wave logic level
Measuring category	CAT II 1000 V, CAT III 600 V, CAT IV 300 V
Temperature measurement	-50 °C up to +1000 °C

Item	Part No.
DM-210A Digital multimeter for temperature measurement -50 °C up to +1000 °C	52047802V2

Scope of supply	Part No.	Page
TSG-3 test leads	50120344	

Protective cover

Battery 2 x 1.5 V AAA

Accessories	Part No.	Page
DMSC-2U Interface kit, for downloading data (DM-200A, DM-210A, DM-510A)	52047947	582



DM-510A Digital multimeter, True RMS



Characteristics

- Autocheck function permits the automatic selection of AC V / DC V or resistance with low impedance for ghost-voltage removal
- Contactless voltage detection
- Frequency, temperature and capacity measurement
- Automatic and manual range selection
- Large, background lit LC display
- Max / Min value memory
- Analogue bar chart
- Optical and acoustic warning in the event of incorrect handling

Technical data

Frequency range	50 Hz - 400 Hz
Capacitance	60 nF - 3000 µF
Voltage measurement	0.01 mV - 1000 V AC/DC
Current measurement	0.1 µA - 8A AC/DC
Resistance	0.1 Ω - 60 MΩ
Frequency measurement	5 Hz - 1 MHz
Measuring category	CAT III 600 V; CAT II 1000 V; CAT IV 300 V
Temperature measurement	-50 °C up to +1000 °C

Item	Part No.
DM-510A Digital multimeter, True RMS	52047803V2
Scope of supply	
TSG-3 test leads	50120344
Temperature sensor, bright finish	
Battery 2 x 1.5 V AAA	
Accessories	
TC-20 Nylon carrying case for measuring instruments with carrying strap	50075357 583
DMSC-2U Interface kit, for downloading data (DM-200A, DM-210A, DM-510A)	52047947 582



DM-810A Digital multimeter, True RMS



Characteristics

- Automatic and manual range selection
- Large, background lit LC display
- Two measured values at a glance
- TRMS AC + DC
- Optical and acoustic warning in the event of incorrect handling

Technical data		
Capacitance	0.01 nF - 25 mF	
Voltage measurement	0.01 mV - 1000 V AC/DC	
Current measurement	0.1 μ A - 10 A AC/DC	
Resistance	0.1 Ω - 60 M Ω	
Frequencymeasurement	5 Hz - 1 MHz	
Measuring category	CAT IV, 1000 V	
Item	Part No.	
DM-810A Digital multimeter, True RMS	52047805V2	
Scope of supply	Part No.	Page
TSG-3 test leads	50120344	
TC-20 Nylon carrying case for measuring instruments with carrying strap	50075357	583
Battery		
Accessories	Part No.	Page
DMSC-9U Interface kit, for downloading data (DM-810A / DM-820A / DM-860)	52047948	583

DM-820A Digital multimeter, True RMS



Characteristics

- Contactless voltage detection
- Recording of peak value (5 ms peak hold) max, min and max/min results
- Automatic and manual range selection
- Large, background lit LC display
- Automatic shut-off
- TRMS AC + DC
- Optical and acoustic warning in the event of incorrect handling

Technical data		
Capacitance	0.01 nF - 25 mF	
Voltage measurement	0.01 mV - 1000 V AC/DC	
Current measurement	0.1 μ A - 10 A AC/DC	
Resistance	0.1 Ω - 60 M Ω	
Frequencymeasurement	5 Hz - 1 MHz	
Measuring category	CAT IV, 1000 V	
Temperature measurement	-50 °C up to +1000 °C	
Item	Part No.	
DM-820A Digital multimeter, True RMS	52047806V2	
Scope of supply	Part No.	Page
TSG-3 test leads	50120344	
TC-20 Nylon carrying case for measuring instruments with carrying strap	50075357	583
Battery		
Temperature sensor, bright finish		
Accessories	Part No.	Page
DMSC-9U Interface kit, for downloading data (DM-810A / DM-820A / DM-860)	52047948	583



DM-860A Industrial digital multimeter, True RMS



Characteristics

- Capturing Max, Min and Max-Min results
- Recording of peak value (5 ms peak hold) max, min and max/min results
- 5 5/6-place display with a display range of 500 for greater precision
- Carrying out frequency, temperature and capacity measurements as well as diode tests and continuity checks
- Display of the relative measured value offset for checking the relative measured value changes
- Automatic range selection
- Analogue 41-segment bar chart
- Large, background lit LC display
- Temperature measurements to 1000° C

Technical data		
Capacitance	50 nF - 9999 µF	
Voltage measurement	500 mV - 1000 V	
Current measurement	500 µA - 10 A	
Resistance	500 Ω - 50 MΩ	
Frequencymeasurement	5 Hz - 200 kHz sinus wave; 5 Hz - 2 MHz square wave logic level	
Measuring category	CAT IV 1000 V	
Temperature measurement	Type-K, -50 °C up to +1000 °C (-58 °F up to +1832 °F)	
Item	Part No.	
DM-860A Industrial digital multimeter, True RMS	52056268V2	
Scope of supply	Part No.	Page
TSG-3 test leads	50120344	
TC-20 Nylon carrying case for measuring instruments with carrying strap	50075357	583
Temperature sensor, bright finish		
Accessories	Part No.	Page
DMSC-9U Interface kit, for downloading data (DM-810A / DM-820A / DM-860)	52047948	583

DMSC-2U Interface kit, for downloading data (DM-200A, DM-210A, DM-510A)



Characteristics

- For connecting to a serial PC port for saving the data recorded by digital multimeters
- For recording and graphically representing data in real time
- For exporting data for analysis with every type of table calculation program

Technical data		
Connection	Free series COM connector with 9-pin plug/USB.	
Monitor	Minimum resolution 640 x 480, 800 x 600 recommended	
Fixes disc	Minimum 20 megabyte free memory	
Hardware requirements	Processor and working memory must correspond at least to the requirements of Windows	
Software requirements	Windows ME/98/95 or Windows XP/2000/NT4/Vista	
Item	Part No.	
DMSC-2U Interface kit, for downloading data (DM-200A, DM-210A, DM-510A)	52047947	



DMSC-9U Interface kit, for downloading data (DM-810A / DM-820A / DM-860)



Characteristics

- For connecting to a serial PC port for saving the data recorded by digital multimeters
- For recording and graphically representing data in real time
- For exporting data for analysis with every type of table calculation program

Technical data	
Connection	Free series COM connector with 9-pin plug/USB
Monitor	Minimum resolution 640 x 480, 800 x 600 recommended
Fixes disc	Minimum 20 megabyte free memory
Hardware requirements	Processor and working memory must correspond at least to the requirements of Windows
Software requirements	Windows ME/98/95 or Windows XP/2000/NT4/Vista
Item	Part No.
DMSC-9U Interface kit, for downloading data (DM-810A / DM-820A / DM-860)	52047948

TC-20 Nylon carrying case with carrying strap for measuring instruments



Characteristics

- With inner pocket for test leads

Suitable for

- Series 200, Series 500 and Series 800 measuring instruments

Item	Part No.
TC-20 Nylon carrying case for measuring instruments with carrying strap	50075357

CONTACTLESS MEASUREMENTS - DIGITAL CLAMP METERS

Quality evident in use. In practice, not every current circuit can be disconnected. Greenlee clamp meters measure currents and voltages without contact. AMP-TIP™ technology permits precise measurements even in confined areas. Numerous functions - one quality.



In brief

- ▶ Measure without disconnecting the cable
- ▶ Suitable for confined areas
- ▶ Easily legible display
- ▶ Contactless measurements to 600 A



► **For alternating currents to 600 A**

The CM-660 is a real lightweight. 185 g lies firmly in the hand thanks to a good grip. Convenient readily legible measurements.

- Contactless measurement of alternating currents up to 600 A
- Sensor for contactless voltage tests
- Lightweight construction saves weight in the tool case
- Built-in deep-pass filter for the most accurate measurements
- Hand grip guarantees very good handling



Expanded functions

The CM-960 is the model that performs several functions. It measures alternating and direct current to 600 A, also non-sinusoidal currents and voltages thanks to the TRMS function (true root mean square).

- Contactless measurement of alternating and direct currents up to 600 A
- Detect voltages without contact
- AMP-Tip technology for precise measurements up to 16 mm² conductor cross-section
- The backlit display guarantees very good legibility



CM-450 Digital clamp meter



Characteristics

- Compact, ergonomic design for measuring in tight spaces
- Data hold function for recording important measurement results
- Acoustic continuity check

Technical data		
Display	LCD	
Current measurement	0.01 A - 400 A AC	
Measuring category	CAT III 600 V	
Jaw size	26 mm	
Item	Part No.	
CM-450 Clamp multimeter	52033579V2	
Scope of supply	Part No.	Page
TC-5 Nylon carrying case for measuring instruments with belt loop	50075888	589
Battery 3 V button cell		
Test leads		

CM-660 Digital clamp meter



Characteristics

- Contactless voltage testing
- AMP TIP™
- Data hold function for recording important measurement results
- Intelligent Automatic Power OFF (APO)
- Record mode for Max/Min/Average

Technical data		
Display	LCD	
Continuity test	yes	
Voltage measurement	0 V - 600 V AC/DC	
Current measurement	0.1 A - 600 A AC	
Resistance	0.1 Ω - 60 kΩ	
Measuring category	CAT III 600 V, CAT IV 300 V	
Jaw size	30 mm	
Item	Part No.	
CM-660 Digital clamp meter	52066379	
Scope of supply	Part No.	Page
TC-10 Nylon carrying case for measuring instruments with belt loop	50075349	589
TSG-3 test leads	50120344	
Battery 2 x 1.5 V AAA		



CM-860 Digital clamp meter



Characteristics

- Particularly suitable for measurements on frequency converters
- Measurement of alternating voltage and alternating current
- Illuminated display
- Longer battery life due to intelligent automatic power-off

Technical data		
Display	LCD	
Voltage measurement	0 V - 600 V AC/DC	
Current measurement	0.1 A - 600 A AC	
Resistance	0.1 - 60 kΩ	
Measuring category	CAT III 600 V, CAT IV 300 V	
Jaw size	30 mm	
Item	Part No.	
CM-860 Digital clamp meter	52066378	
Scope of supply	Part No.	Page
TC-10 Nylon carrying case for measuring instruments with belt loop	50075349	589
TSG-3 test leads	50120344	
Battery 2 x 1.5 V AAA		

CM-960 Digital clamp meter



Characteristics

- Jaw opening 51 mm
- Current measurement AC/DC
- Easy-to-read backlit display for poor lighting conditions
- Peak hold and data hold function for recording measurement results
- Automatic range selection
- Relative zero point mode
- Use of bright conductor

Technical data		
Display	LCD	
Voltage measurement	0 - 600 V AC/DC	
Current measurement	0 - 600 A AC/DC	
Frequency measurement	5 Hz - 999 Hz	
Measuring category	CAT III 600 V, CAT IV 300 V	
Jaw size	35 mm	
Item	Part No.	
CM-960 Digital clamp meter	52066376	
Scope of supply	Part No.	Page
TC-5 Nylon carrying case for measuring instruments with belt loop	50075888	589
TSG-3 test leads	50120344	
Battery 2 x 1.5 V AAA		



CM-1360 Digital clamp meter



Characteristics

- True RMS actual effective value for the most precise measurements
- Illumination of the measuring point
- Easy-to-read backlit display for poor lighting conditions
- Acoustic continuity check
- Longer battery life due to intelligent automatic power-off
- Data hold function for recording measurement results

Technical data		
Display	LCD	
Voltage measurement	0 - 1,000 V AC/DC	
Current measurement	0 - 1,000 A AC/DC	
Resistance	0.1 - 60 kΩ	
Measuring category	CAT III 1,000 V, CAT IV 600 V	
Jaw size	51 mm	
Item	Part No.	
CM-1360 Digital clamp meter	52066374	
Scope of supply	Part No.	Page
TSG-3 test leads	50120344	
TC-30 Nylon carrying case for measuring instruments with belt loop	50075365	589
Battery 2 x 1.5 V AAA		

CM-1560 Digital clamp meter



Characteristics

- Jaw opening 51 mm
- True RMS actual effective value for the most precise measurements
- Particularly suitable for measurements on frequency converters
- Easy-to-read backlit display for poor lighting conditions
- Diode test
- Acoustic continuity check
- Illumination of the measuring point

Technical data		
Display	LCD	
Voltage measurement	0 - 1,000 V AC/DC	
Current measurement	0 - 1,000 A AC/DC	
Frequency measurement	5 Hz - 999 Hz	
Measuring category	CAT III 1,000 V, CAT IV 600 V	
Jaw size	51 mm	
Item	Part No.	
CM-1560 Digital clamp meter	52066372	
Scope of supply	Part No.	Page
TC-30 Nylon carrying case for measuring instruments with belt loop	50075365	
TSG-3 test leads	50120344	589
Battery 2 x 1.5 V AAA		



Watchman™



Characteristics

- The Watchman Detector can be activated to visually alert to the presence of an electrical field and can also alert crews that they no longer have active power in the area
- Power button serves dual function, press once on/off function, hold down for self-test to verify battery power and proper functioning of detector
- Once turned on, the Watchman Detector provides a „heartbeat“ pattern to indicate it is actively checking for the presence of high voltage electric fields
- Powerful neodymium magnets allow the detector to be mounted to accessory brackets or any magnetic surface

Suitable for

- Save the working area
- Protection for your carlift or manlift in the medium and high voltage area
- Protection for trucks and construction machines in the medium and high voltage area

Material

- ABS UL 94-HB

Additional information

- The batteries have a life of 2 years storage, 1,000 hours standby / „heartbeat“ mode and 10 hours continuous voltage indication

Technical Data	
Frequency range	50 Hz / 60 Hz
Dimension	height: 36 mm
Ambient temperature	-29 °C up to +49°C
Weight	with battery: 0.227 kg
Diameter	9.7 cm
Power supply system	3 x AAA
Voltage measurement	> 2,400 AC
Article	Part No.
Watchman™	WM01

THERMAL MEASUREMENTS FROM A DISTANCE - TEMPERATURE GAUGES

Greenlee temperature gauges are ideal for preventive maintenance. Infra-red sensors measure without contact, even in confined areas. This allows the temperatures of motors and electrical connections to be measured and read from a safe distance. The measurements are used to identify fault sources in the electrical system.



In brief

- ▶ Contactless measurements, even in confined areas
- ▶ Limit values can be set
- ▶ Automatic warning signals when values deviate
- ▶ Single or dual laser to focus on the measuring range



► Accuracy counts

The TG-1000 can be used for temperatures from -60 °C to 550 °C. When the minimum and maximum values are entered, the user automatically receives an acoustic and optical warning signal if the values are overrun or underrun. Even from a distance of 1.2 m, the TG-1000 measures to an accuracy of 10 cm.

- Optimised measuring range for maintenance tasks
- Single laser for focussing on the measuring point
- Visual resolution 12:1 (measures from 1.2 m away at an accuracy of 10 cm)
- Acoustic and optical warning signal when set values for monitoring limit values are reached



► Double focus for the measuring range

The TG-2000 measures with more accuracy. It clearly marks your measuring range with the dual laser. The visual resolution of 16:1 ensures exact values. Even at a distance of 3.2 m, the temperatures of objects and conductors can be accurately measured to a range of 20 cm. As a result, the TG-2000 guarantees the optimum safe distance to the object being measured.

- Optimum measuring range for maintenance and fault analysis in electrical systems
- Dual laser for focussing on the measuring range
- Acoustic and optical warning signal when defined limit values are reached
- Connection point for thermocouple type K for temperature measurements with contact
- Emission ratio of all standard materials included in the operating instructions



TG-1000 Infrared thermometer



Characteristics

- Lower / upper limit values adjustable
- Display with background illumination for comfortable read-off in all work areas
- Temperature display selectable in Celsius (°C) or Fahrenheit (°F)
- Maximum/minimum temperature, difference and average measurements
- Twin laser for identification of the approximate diameters of the target measuring area
- Bush for type K thermocouple

Suitable for

- Preventative maintenance of switching devices, motors and electrical connections

Technical data	
Monitor	LCD
Optical resolution	12:1
Temperature measurement	-60 °C up to +550 °C
Item	Part No.
TG-1000 Infrared thermometer	52059365

TG-2000 Dual laser infrared thermometer



Characteristics

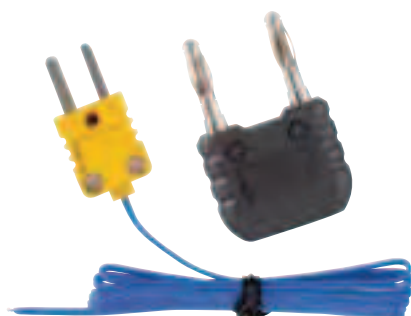
- Lower / upper limit values adjustable
- Display with background illumination for comfortable read-off in all work areas
- Temperature display selectable in Celsius (°C) or Fahrenheit (°F)
- Maximum/minimum temperature, difference and average measurements
- Twin laser for identification of the approximate diameters of the target measuring area
- Bush for type K thermocouple

Suitable for

- Preventative maintenance of switching devices, motors and electrical connections

Technical data	
Monitor	LCD
Optical resolution	16:1
Temperature measurement	-60 °C up to +625 °C
Item	Part No.
TG-2000 Dual laser infrared thermometer	52059364

TPB Temperature probe for temperatures of -40 °C to +204 °C



Technical data	
Sensor length	1 m ±5 mm (39.4" ±0.2")
Temperature measurement	-40 °C up to +204 °C (-40 °F up to +399 °F)
Thermoelement	Thermocouple type K
Item	Part No.
TPB Temperature probe for temperatures of -40 °C to +204 °C	50075926



IDENTIFY CABLES AND CONDUCTORS WITHIN SECONDS

No time to loose when cables are connected incorrectly. Interruptions must be quickly rectified and cables and conductors must be correctly assigned. Greenlee cable and conductor identifiers provide the required data in the desired units in a matter of seconds. No time wasted with Greenlee.



In brief

- ▶ Evaluation in a matter of seconds
- ▶ Exact length determination from 5 m to 30 km
- ▶ Clear assignment of cables and conductors in the system



► **The length gauge**

No estimates, precise values for your inventory or stock taking. The CLM-1000E allows to you measure the exact length of the conductor or cable in a matter of seconds. From 5 m to 30 km, the gauge uses the material, the temperature and the cable thickness to measure the actual cable length.

- Measurements in a matter of seconds
- Measures cable and conductor lengths from 5 m to 30 km

- Suitable for copper and aluminium
- Suitable for AWG cross-sections and metric cross-sections
- Reliable measurements for stock taking and inventories
- Cables do not need to be cut to length
- No more time-consuming counting of cable coils required
- With pre-programmed settings



► **The identifier**

Identify the correct cable or the correct conductor right away with the Greenlee 701K-G. In systems without wiring diagrams or documentation, the wiring is assigned without a problem. Possible break points can be detected based on acoustic signals (warble tones).

- Identification of individual conductors or cables
- Adjustable warble tones for clear identification
- Range of up to 15 km
- Quickly locates break points
- Results within seconds





Classic Tone and Probe Kit 701K-G



Characteristics

- For identifying individual conductors or cables
- Talk battery supply
- Tone generator with crocodile terminals and RJ-11 plug
- 3-colour LED display (identifies WS call voltages)
- Weather-resistant design
- Tone generator with interchangeable tips
- Selectable wobble tone
- Polarity test
- Continuity test

Item	Part No.
Classic Tone and Probe Kit 701K-G	52047869
Scope of supply	Part No.
High-power sound generator 77HPCE	52055781
Inductive amplifier 200 EP-G	52055782
Bag	50086839
Battery 9 V	

CLM-1000E cable length measuring device



- ▶ Saves time – no cutting to length or counting the cable coils
- ▶ Reliable measuring results for inventory management



Characteristics

- To determine cable lengths
- Measurement range between 5 m - 30 km
- Measurement range cross-section between 0.75 mm² - 500 mm² and 18 Kcmill - 1000 Kcmill
- Backlit display
- Hold function
- 20 pre-programmable settings – 8 storage spaces for individual settings
- Automatic shut-off
- Resistance measurements from 0.10 mΩ – 1,999.999 Ω

Suitable for

- Copper and aluminium
- Metric as well as UK and US units

Item	Part No.
CLM-1000E cable length measuring device	52067352
Scope of supply	Part No.
Calibration rod	52067353
KELVIN Klemmen / Messleitungen	52067354
Plastic case	



Classic Tone and Probe Kit 801K/50



Characteristics

- Talk battery supply
- Tone generator with crocodile terminals with pincushion and RJ-11 plug
- 3-colour LED display (identifies WS call voltages)
- Weather-resistant design
- Selectable wobble tone
- Continuity test
- Polarity test
- 50 Hz filter function

Item	Part No.
Classic Tone and Probe Kit 801K/50	50604660
Scope of supply	Part No.
77HP-G/6A Tone generator	52047489
200FP filter sensor	50604678
Bag	50086839
Battery 9 V	

CONTINUOUSLY CONNECTED TO ONE ANOTHER - MEASURING GAUGES AND TESTERS FOR NETWORKS

Correct connections help to achieve non-interrupted communication. Greenlee measuring gauges and testers for networks test screened and non-screened conductors and immediately identify fault sources such as split pair faults, incorrect wiring, broken cables and short circuits. Even in poor light conditions, the measurements are clearly legible on the illuminated display. You rectify faults straight away.

In brief

- ▶ Measurements on screened and non-screened conductors possible
- ▶ Displays the fault position
- ▶ With NVP calibration
- ▶ Easy to operate





▶ NETcat Pro NC-500

The NC-500 tests not only for faults, it can also determine lengths of up to 600 m with the integrated TRD technology. For more accurate assignment, network devices can also be displayed in the environment and NVP calibrations can be performed. The NC-500 is therefore the optimal technical aid for correctly wiring and testing data cables.

- For screened and non-screened cables and conductors
- For split pair faults, incorrect wiring, short circuits and broken cables
- Length measurement up to 600 m with integrated TDR technology
- Easy to operate via touch screen
- Illuminated display for optimum legibility
- Displays active network devices (PC and hub)

- NVP calibration for optimum transmission speed
- Robust design suitable for industrial environment
- Selectable sound signals for cable identification



▶ For correct network connections: NETcat Pro NC-100

Check networks for correct cable connections in a few steps. Simply insert the cable into the device and the test receiver and select the cable type. The test result is displayed immediately and you can see at a glance which point has to be corrected.

- For screened and non-screened cables and conductors
- For split pair faults, incorrect wiring, short circuits and broken cables

- For twisted pair conductors with RJ-45 and RJ-11 plugs or coaxial cable with type F connection
- Easy to operate
- Readily legible thanks to illuminated display
- In conjunction with the 200 E-P inductive amplifier, cables can also be located and identified

