

Standard tools



The HAUPA screwdriver series features:

- homogenous size adjustment of the screwdriver handles for better power transmission. Enlargement of soft zone
- elegant, ergonomically shaped, non-slip 2-component handles made from PP/TPE material
- injected blade profile, for easy access in the tool case. Abrasion not possible!
- magnetic blade for secure hold of screws High-gripsystem
- blade made from molybdenum vanadium steel
- an additional slide-protection of the Phillips profiles prevents slipping out of the screwdriver head



2-component Electricians' screwdrivers

with 2-component handle made from PP/TPE material, blade made from molybdenum- vanadium steel, sanded blade, hardened, blast-finished, chrome plated with black point



Art. no.	BL	CW	TL	kg	PU
101604	75	2,5	160	0,030	12
101606	100	4	195	0,050	12
101608	125	4	220	0,050	12
101610	150	5	245	0,065	12
101612	175	5	270	0,070	12
101614	200	5	295	0,070	12

2-component screwdrivers

2-component Engineers' screwdrivers

with 2-component handle made from PP/TPE material, blade made from molybdenum- vanadium steel, sanded blade, hardened, blast-finished, chrome plated with black point



Art. no.	BL	CW	TL	kg	PU
101640	75	5	170	0,055	12
101642	100	6	205	0,090	12
101644	125	7	230	0,110	12
101646	150	8	270	0,160	12
101648	175	9	295	0,170	12
101650	200	10	320	0,240	12

2-component cross slotted screwdrivers Phillips

with 2-component handle made from PP/TPE material, blade made from molybdenum- vanadium steel, sanded blade, hardened, blast-finished, chrome plated with black point



Art. no.	size	BL	TL	kg	PU
101684	0	60	145	0,030	12
101686	1	80	175	0,055	12
101688	2	100	205	0,090	12
101690	3	150	270	0,160	12

2-component cross slotted screwdrivers Pozidriv

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, chrome plated with black point



Art. no.	size	BL	TL	kg	PU
102612	1	80	175	0,055	12
102614	2	100	205	0,090	12
102616	3	150	270	0,160	12

2-component screwdrivers Tx

with 2-component handle made from PP/TPE material, blade made from molybdenum- vanadium steel, sanded blade, hardened, blast-finished, chrome plated with black point



Art. no.	size	BL	TL	kg	PU
101229/6	6	100	185	0,035	12
101230	8	100	185	0,035	12

2-component screwdrivers Tx with security pin

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, chrome plated with black point



Art. no.	size	BL	TL	kg	PU
101200	9	100	185	0,030	12
101202	10	100	195	0,055	12
101204	15	100	195	0,055	12
101206	20	100	195	0,060	12
101208	25	125	195	0,060	12
101210	27	125	230	0,095	12
101211	30	150	255	0,100	12

2-component screwdrivers

2-component Electricians' screwdrivers

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered



Art. no.	BL	CW	TL	kg	PU
101520	75	2,5	160	0,030	12
101521	100	3	195	0,030	12
101522	100	4	195	0,055	12
101524	125	4	220	0,040	12
101526	150	5	245	0,070	12
101528	175	5	270	0,075	12
101530	200	5	295	0,080	12

2-component Engineers' screwdrivers

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered



Art. no.	BL	CW	TL	kg	PU
101532	75	5	170	0,055	12
101534	100	6	205	0,090	12
101536	125	7	230	0,110	12
101538	150	8	270	0,145	12
101540	175	9	295	0,210	12
101541	200	10	320	0,215	12

2-component cross slotted screwdrivers Phillips

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered



Art. no.	size	BL	TL	kg	PU
101542	0	60	145	0,035	12
101544	1	80	175	0,060	12
101546	2	100	205	0,090	12
101548	3	150	270	0,150	12

2-component cross slotted screwdrivers Pozidriv

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered



Art. no.	size	BL	TL	kg	PU
101550	1	80	175	0,060	12
101552	2	100	205	0,090	12
101554	3	150	270	0,145	12

2-component Screwdriver set

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered.

Contents:

2 electrician's screwdrivers
2 engineers' screwdrivers
2 screwdrivers **Phillips**



Art. no.	kg	PU
101560	0,560	1

2-component Screwdriver set

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered.

Contents:

2 electrician's screwdrivers
2 engineers' screwdrivers
2 screwdrivers **Pozidriv**



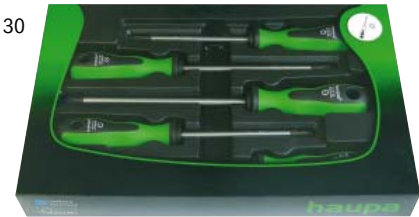
Art. no.	kg	PU
101562	0,570	1

2-component screwdriver set Tx

screwdriver set Tx with security pin, with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, chrome plated with black point, 5-pieces.

Contents:

1 screwdriver each
Tx 10, Tx 15, Tx 20, Tx 25, Tx 30



Art. no.	kg	PU
101212/S for Torx with security pin	0,475	1

2C-Stubby gasifier screwdrivers

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished



Art. no.	BL	CW	TL	kg	PU
103120	30	6	80	0,050	12
103122	40	8	90	0,050	12

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2-component screwdrivers

2C-Stubby gasifier cross slot screwdrivers Phillips

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished



Art. no.	size	BL	TL	kg	PU
103080	1	30	80	0,050	12
103082	2	40	90	0,050	12

2C-Piercing awls

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished



Art. no.	BL	Ø	form	kg	PU
103470	100	6	round point	0,085	12
103472	100	6	square point	0,085	12

2-component socket wrenches

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished



Art. no.	BL	TL	WS	kg	PU
101484	125	220	5	0,072	12
101486	125	220	5,5	0,106	12
101488	125	220	6	0,105	12
101490	125	230	7	0,100	12
101492	125	230	8	0,115	12
101494	125	230	9	0,115	12
101496	125	230	10	0,120	12
101500	125	245	12	0,170	12
101502	125	245	13	0,155	12

2-component socket wrenches set

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, 7-pieces.

Contents: 1 piece each
5 - 5,5 - 7 - 8 - 10 - 11 - 13 mm



Art. no.	kg	PU
101510	1,050	1

Industrial screwdriver set with interchangeable blades

2-component screwdriver shaft with 10 interchangeable blades, **shank hexagonal**, Material: bit steel S2, (chrome silicon manganese molybdenum vanadium steel), in a stable metal case

Blade types:

Slotted 3, 4, 5, 7
Phillips 0, 1, 2, 3
Pozidriv 0, 1, 2, 3
Tx 10, 15, 20, 25
Hexagonal 2, 3, 4, 5



Art. no.	kg	PU
104008	0,850	1

INFO

ESD electronic screwdrivers

Now with 2-component handle, these screwdrivers do not just convince because of their homogenous design, but also because of their user-friendly handle.

Benefits:

- chrome molybdenum vanadium steel
- blades hardened throughout
- two component handles, hard and soft components
- permanently discharging special synthetic material
- Quick rotating zone
- rotating centring head with recessed grip
- black precision tips
- chromed blade



ESD electronic screwdrivers

Blade made from chrome molybdenum vanadium steel, chromed with black tip, **slotted**



Art. no.	BL	CW	TL	kg	PU
100704	60	0,8	150	0,001	12
100250	60	1,0	150	0,030	12
100704 A	60	1,2	150	0,015	12
100241	60	2,5	150	0,015	12
100243	100	3,5	150	0,018	12
100252	50	1,6	150	0,001	12
100257	50	2,0	150	0,001	12
100259	75	2,4	175	0,015	12
100261	50	3,0	200	0,018	12

ESD electronic screwdrivers

Blade made from chrome molybdenum vanadium steel, chromed with black tip, cross recess, **Phillips**



Art. no.	size	BL	TL	kg	PU
100714	000	50	150	0,050	12
100715	00	50	150	0,002	12
100716	0	50	150	0,002	12
100249	1	50	150	0,029	12

ESD electronic screwdrivers

Blade made from chrome molybdenum vanadium steel, chromed with black tip, **hexagonal**



Art. no.	size	BL	TL	WS	kg	PU
100728	1,5	50	150	1,5	0,002	12
100729	2,0	50	150	2,0	0,050	12
100729 A	2,5	50	150	2,5	0,002	12
100736	3,0	50	150	3,0	0,001	12

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Electronic screwdrivers

ESD electronic screwdrivers



Blade made from chrome molybdenum vanadium steel, chromed with black tip, **Tx/Safety Tx**



Art. no.	size	BL	TL	kg	PU
100741	4	50	150	0,002	12
100742	5	50	150	0,002	12
100718 A	6	50	150	0,002	12
100720	7	50	150	0,002	12
100721	8	50	150	0,002	12
100712	9	50	150	0,002	12
100713	10	50	150	0,002	12
100723	15	50	150	0,002	12
100734	20	50	150	0,002	12

ESD electronic screwdrivers



Blade made from chrome molybdenum vanadium steel, chromed with black tip, **Tri-Wing**



Art. no.	size	BL	TL	kg	PU
100738	Tri 2,4	50	150	0,050	12

ESD electronic screwdriver set



Blade made from chrome molybdenum with 2-component handles, 7-pieces, **slotted/cross recess.**



Contents:

1 ESD electronic screwdriver each 1.6 x 50, 2.0 x 50, 2.4 x 50, 3.0 x 50 and 1 Phillips size 1. 0 and 00 x 50 each

Art. no.	kg	PU
104010	0,230	1

HAUPA Electronic screwdriver set standard



chrome vanadium steel, chrome-plated, with large plastic handle, with black point, 7 pieces.

Contents:

1 Electricians' screwdriver size 1.6 x 50, 2.0 x 50, 2.4 x 50, 3.0 x 50, and 1 Phillips size 1, 0 and 00 x 50



Art. no.	kg	PU
104000	0,230	10

Electronic screwdriver set



Chrome vanadium steel, screw holder with black /green plastic handle, 4 x hex head 3, 4, 5, 6 and 8 exchangeable screwdriver blades (slot/Phillips/Tx head)



Art. no.	kg	PU
104004	0,300	10

Electronic screwing bit set



Chrome vanadium steel, screw holder with black/green plastic handle, 1 bit holder, 2 nuts of 5 + 6 mm, 30 bits for slot/Phillips/Pozidriv/Tx/hex head



Art. no.	kg	PU
104002	0,250	1

Precision screwdrivers

Flexible screwdrivers „Piccolo“



with pliable, plastic coated shank, plastic handle



Art. no.	BL	CW	TL	kg	PU
100364	125	2,8	205	0,020	1

Claw retrievers

with flexible shaft, chrome-plated, for gripping and retrieving of small parts in normally inaccessible places



Art. no.	TL	kg	PU
100366	525	0,100	1

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Precision screwdrivers

Claw retrievers

with inflexible shaft, chrome-plated, for gripping and retrieving of small parts in normally inaccessible places



Art. no.	TL	kg	PU
100368	165	0,050	1

Checking mirrors

with double ball joint



Art. no.	TL	Ø	kg	PU
100680	210	60	0,045	1

Checking mirrors

with illumination, flexible shaft and plastic handle, 3 interchangeable mirrors Ø 14 - 23 - 30 mm, with battery



Art. no.	TL	Ø	kg	PU
100684	530	12	0,170	1

Magnetic retriever

flexible shaft and plastic handle



Art. no.	TL	Ø	kg	PU
100694	520	12	0,023	1

Miniature trimming set



Art. no.	kg	PU
100696	0,240	1

9-pieces

Allen keys

Allen keys set

chrome vanadium steel, (59 Cr-Mo-V 4), DIN 911, chromium-plated, on key ring.

Contents: size 2,5 - 3 - 4 - 5 - 6 - 8 - 10



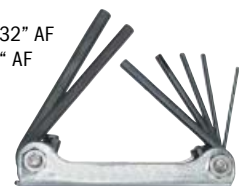
Art. no.	WS	quantity	kg	PU
100640	2,5-10	8	0,250	10

Allen keys set

chrome vanadium steel, (59 Cr-Mo-V 4), im metal clip, key bronzed, DIN 911.

Contents:

Art. 10 06 30: 2,5-3-4-5-6-8 mm
 Art. 10 06 33: 1,5-2,5-3-4-5-6 mm
 Art. 10 06 34: 2,5-3-4-5-6-8-10 mm
 Art. 10 06 32: 3/32-1/8-5/32-3/16-1/4-5/16" AF
 Art. 10 06 35: 1/16-5/64-3/32-1/8-5/32-3/16-7/32" AF
 Art. 10 06 36: 3/32-1/8-5/32-3/16-1/4-5/16-3/8" AF



Art. no.	WS	quantity	kg	PU
100630	2,5-8	6	0,252	1
100632	3/32"-5/16"	6	0,255	1
100633	1,5-6	7	0,146	1
100634	2,5-10	7	0,335	1
100635	1/16"-7/32"	7	0,135	1
100636	3/32"-3/8"	7	0,333	1

Keys set Tx

chrome vanadium steel, (59 Cr-Mo-V 4), in metal-clip, surface black, keys black.

Contents: Tx 9 - 10 - 15 - 20 - 25 - 27 - 30 - 40

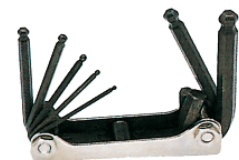


Art. no.	size	quantity	kg	PU
100943	TX9 - 40	8	0,260	1

Ball point allen keys

chrome vanadium steel, (59 Cr-Mo-V 4), im metal clip, black keys, DIN 911

Contents: size 2.5 - 3 - 4 - 5 - 6 - 8 - 10



Art. no.	WS	quantity	kg	PU
100917	2,5-10	7	0,340	1

Allen keys

Allen keys DIN 911

chrome vanadium steel, (59 Cr-Mo-V 4), chromium-plated



Art. no.	TL	WS	Inch	kg	PU
100590	45x14	1,5	1/16"	0,002	1
100592	50x16	2	5/64"	0,002	1
100594	56x18	2,5	3/32"	0,003	1
100596	63x20	3	1/8"	0,005	1
100598	70x25	4	5/32"	0,009	1
100600	80x28	5	3/16"	0,018	1
100602	90x32	6	1/4"	0,028	1
100606	100x36	8	5/16"	0,058	1
100610	112x40	10	3/8"	0,101	1
100612	125x45	12		0,164	1
100614	132x50	13	1/2"	0,206	1

Allen keys Tx

chrome vanadium steel, (59 Cr-Mo-V 4), nickel-plated



Art. no.	size	TL	kg	PU
100964	TX 5	42x16	0,004	1
100966	TX 6	42x16	0,004	1
100968	TX 7	48x16	0,004	1
100970	TX 8	48x16	0,005	1
100972	TX 9	48x16	0,005	1
100974	TX 10	51x17	0,007	1
100988	TX 45	83x29	0,045	1

Ball point allen keys

chrome vanadium steel, (59 Cr-Mo-V 4), chromium-plated



Art. no.	TL	WS	kg	PU
100902	56x18	2,5	0,005	1
100903	63x20	3	0,008	1
100904	70x25	4	0,010	1
100905	80x28	5	0,018	1
100906	90x32	6	0,030	1
100908	100x36	8	0,060	1
100909	112x40	10	0,100	1

Allen keys set

chrome vanadium steel, (59 Cr-Mo-V 4), chromium-plated, DIN 911, 8 pieces in handy plastic box, with sliding plexiglasscover.

Contents: size 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10



Art. no.	WS	quantity	kg	PU
100585	2-10	8	0,309	6

Ball point allen keys

chrome vanadium steel, (59 Cr-Mo-V 4), DIN 911, chromium-plated, 8 pieces in handy plastic box, with pushable plexiglasscover.

Contents: size 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10



Art. no.	WS	quantity	kg	PU
100915	2-10	8	0,290	1

Allen keys set Tx

chrome vanadium steel, (59 Cr-Mo-V 4), 8 pieces in handy plastic box, surface black.

Contents: TX 9 - 10 - 15 - 20 - 25 - 27 - 30 - 40



Art. no.	size	quantity	kg	PU
100941	TX9 - 40	8	0,150	1

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Voltage testers

VDE/GS-Voltage testers, VDE-tested 0426/72

with clear-transparent, shock-resistant plastic handle.
Art. No. 10 06 46, 10 06 48 each in wallet
Art. No. 10 06 47, 10 06 49 loose



Art. no.	BL	TL	TMA	kg	PU
100646	50x3	140	100-250	0,024	12
100647	50x3	140	100-250	0,002	120
100648	100x3,5	190	100-250	0,015	12
100649	100x3,5	190	100-250	0,003	120

Voltage tester

Finnish type, Cellidor, only available for Finland



Art. no.	BL	TL	TMA	kg	PU
100645	50x3	140	150-250	0,016	12

Voltage tester VDE/GS

with retractable screwdriver blade



Art. no.	BL	TL	TMA	kg	PU
100650	25x4	140	100-250	0,002	12

Voltage testers VDE/GS

5 mm surrounding hand-protection, clip of insulating material, fixed installed scale with dark background



Art. no.	TL	TMA	kg	PU
100700	190	125-250	0,037	60

INFO

Bits

Industrial quality

HAUPA-Bits are made of high-alloyed tool steel, best hardened (H Rc 60 - 63). They show very high tenacity and tolerance. The long life speaks of the hard use and quality.



1 Box = 10 Bits = 1 PU

Screwdriver bits

DIN 3126, form E 6,3, shank 1/4", 10 pieces on card



Art. no.	size	CW	TL	kg	PU
102110	0,6x4,5	4,5	50	0,100	10
102112	0,8x5,5	5,5	50	0,115	10

Screwdriver bits

DIN 3126, form E 6,3, shank 1/4", 10 pieces on card



Art. no.	size	TL	kg	PU
102152	PH 1	25	0,065	10
102154	PH 2	25	0,066	10
102156	PH 1 TiN	25	0,065	10
102158	PH 2 TiN	25	0,066	10
102114	PH 1	50	0,105	10
102116	PH 2	50	0,125	10
102160	PH 1 TiN	50	0,110	10
102162	PH 2 TiN	50	0,125	10
102164	PH 1	90	0,180	10
102166	PH 2	90	0,180	10
102168	PH 1 TiN	90	0,065	10
102170	PH 2 TiN	90	0,100	10
102172	PH 1	150	0,250	10
102174	PH 2	150	0,330	10

Screwdriver bits, red.

DIN 3126, form E 6,3, shank 1/4", 10 pieces on card



Art. no.	size	TL	kg	PU
102155	2	25	0,066	10

Bits

Screwdriver bits

DIN 3126, form E 6.3, shank 1/4", 10 pieces on card



Art. no.	size	TL	kg	PU
102176	PZ 1	25	0,065	10
102178	PZ 2	25	0,065	10
102180	PZ 1 TiN	25	0,065	10
102182	PZ 2 TiN	25	0,065	10
102118	PZ 1	50	0,105	10
102120	PZ 2	50	0,125	10
102184	PZ 1 TiN	50	0,110	10
102186	PZ 2 TiN	50	0,125	10
102188	PZ 1	90	0,180	10
102190	PZ 2	90	0,230	10
102192	PZ 1 TiN	90	0,180	10
102194	PZ 2 TiN	90	0,230	10
102196	PZ 1	150	0,260	10
102198	PZ 2	150	0,355	10

Screwdriver bits Tx

DIN 3126, form E 6.3, shank 1/4", 10 pieces on card



Art. no.	size	TL	kg	PU
102200	Tx 15	25	0,060	10
102202	Tx 20	25	0,065	10
102204	Tx 25	25	0,065	10
102122	Tx 15	50	0,124	10
102124	Tx 20	50	0,110	10
102126	Tx 25	50	0,110	10

Bits for PZ slot profile

The PZ/FL profile can only be used for combination screws that were previously screwed with a slot or recessed head PZ type screwdriver. **The screws have an inner PZ profile with an additional cross slot that also allows it to be screwed with a slot screwdriver**



Art. no.	size	TL	kg	PU
101874	1	60	0,015	1
101876	2	60	0,015	1

Magnetic holder

with strong magnetic, shank 1/4", form C 6,3 DIN 3126, for holding the screws, socket made of stainless steel, suitable for all



Art. no.	TL	kg	PU
102130	75	0,055	5

SDS magnetic holder

with strong permanent magnet, bit holder 1/4", form C 6.3 DIN 3126, to hold screws, rust-free, stainless steel sleeve, suitable for SDS bits holders



Art. no.	TL	kg	PU
102131	55	0,045	1

Magnetic holder

with strong magnetic, shank 1/4", form C 6.3 DIN 3126, for holding the screws, socket made of stainless steel, with inside ring, suitable for all



Art. no.	TL	kg	PU
102132	75	0,045	5
102134	60	0,040	10

Bit boxes

Contents:
1 magnetic holder 1/4" hexagon
2 Bits 1/4" slotted
2 bits 1/4" Phillips, 2 bits 1/4" Pozidriv



Art. no.	kg	PU
102140	0,090	15

Bit boxes

Contents:
1 magnetic holder 1/4" hexagon
3 bits 1/4" slotted,
3 bits 1/4" Phillips, 3 bits 1/4" Pozidriv
Art. No. 10 01 44 without clamp holder for the magnetic holder



Art. no.	kg	PU
102142	0,110	12
102144	0,100	12

Bit boxes

Contents:
1 magnetic holder 1/4" hexagon
3 bits 1/4" Phillips
3 bits 1/4" Pozidriv (TiN-coated)



Art. no.	kg	PU
102148	0,090	10

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Bits

Bit boxes

Contents:

- 1 magnetic holder 1/4" hexagon
- 2 bits slotted, 2 bits 1/4" Phillips
- 2 bits 1/4" Pozidriv



Art. no.		kg	PU
102146	7-pieces	0,085	10

Bit boxes Tx

Contents:

- 1 magnetic holder 1/4" hexagon
- 1 bit each Tx 10, Tx 15, Tx 20, Tx 25, Tx 27, Tx 30, Tx 40



Art. no.		kg	PU
102150	8-pieces	0,090	10

HAUPA bit box, hex head

Use with screwdriver or power tool, material: stainless steel, made in Germany.

Content Art. No. 10 23 04:

- 1 magnetic holder 1/4" hexagon,
- one bit each 2 + 2,5 + 3 + 4 + 5 + 6



Art. no.	WS	kg	PU
102304	2-6	0,090	1

HAUPA bit box, Tx

Use with screwdriver or power tool, material: stainless steel, made in Germany.

Content Art. No. 10 22 96:

- 1 magnetic holder 1/4" hexagon,
- one bit each Tx 10, Tx 15, Tx 20, Tx 25, Tx 30, Tx 40

Content Art. No. 10 23 00:

- 1 magnetic holder 1/4" hexagon,
- one bit each Tx 8, Tx 10, Tx 15, Tx 20, Tx 25, Tx 27, Tx 30, Tx 40



Art. no.	Content	kg	PU
102296	Tx 10-40	0,090	1
102300	Tx 8-40	0,090	1

HAUPA bit box, Phillips + Pozidriv

Use with screwdriver or power tool, material: stainless steel, made in Germany.

Content Art. No. 10 22 98:

- 1 magnetic holder 1/4" hexagon,
- one bit each PH 1 + 2 + 2 + 3 and one bit each PZ 1 + 2 + 2 + 3

Content Art. No. 10 23 02:

- 1 magnetic holder 1/4" hexagon,
- one bit each PH 1 + 2 + 3 and one bit each PZ 1 + 2 + 3



Art. no.	WS	kg	PU
102298	1-2-2-3	0,090	1
102302	1-2-3	0,090	1

HAUPA „Bit box“

Description:

- Belt clip
- Ergonomic (with the opening of the box the bits will be moved in 45° angle, easy pick up position)
- A special mechanism fixes the bits even in an up side down position

Contents:

- Screwdriver bits, form E 6.3, shank 1/4", 25 mm
- PH: 1, PH 2, PH 3
- PZ: 1, PZ 2, PZ 3
- Tx: 10, T 15, T 20, T 25
- slotted: 4.0 (0.5), 5.0 (0.8), 5.0 (1.0), 6.0 (1.0)
- hexagon: 4.0, 5.0, 6.0
- Magnetic holder 60 mm



Art. no.		kg	PU
102210	17-pieces	0,175	10

HAUPA ratchet screwdriver „Flex“

Ratchet screwdriver with right/left hand motion. Adjustable operating angle of 180°. Safety and special bit set - top quality S2! The screwing grasp also Quick change penholder and 2-components Handle provides for anti-slip and fatigue-free working. The ergonomic form and the soft zones within the pressure area range make a relaxed possible screws. With hanging up hole.

Advantages:

- Ratchet function
- Left/clockwise rotation adjustable
- Bending bar: 0°- 45°- 90°
- Ergonomic working within restrained ranges
- S2 steel industry bit for nearly all applications
- 2-components handle
- 55 bits and 1 adapter



Art. no.		kg	PU
104006	58-pieces	0,770	6

Socket tools

Socket sets, Engineering tools, Spanners for switch-cabinets



Spanners

Double ended spanners acc. to DIN 3110

chrome vanadium steel, bright chromium-plated, head polished, offset at 15°



Art. no.	TL	WS	strength	kg	PU
110090	120	6-7	3,2	0,020	5
110092	140	8-9	3,5	0,030	5
110094	157	10-11	4,0	0,042	5
110096	172	12-13	4,5	0,057	5
110100	190	14-15	5,0	0,093	5
110104	205	16-17	5,5	0,110	5
110108	223	18-19	6,0	0,145	5
110112	250	21-23	7,0	0,225	5
110114	250	24-26	7,0	0,290	5
110120	302	27-32	8,2	0,420	5

Double ended spanners set acc. to DIN 3110

chrome vanadium steel, chromium-plated, head polished, in plastic bags.



Art. no.	WS	kg	PU
110130	6-22	8-pieces	0,730
110132	6-32	12-pieces	2,000

Double ended ring spanners to DIN 838

chrome vanadium steel, bright chromium-plated, head polished, offset at 75°



Art. no.	TL	WS	kg	PU
110140	170	6-7	0,038	5
110142	185	8-9	0,060	5
110144	205	10-11	0,086	5
110146	220	12-13	0,130	5
110148	240	14-15	0,160	5
110152	265	16-17	0,205	5
110154	280	18-19	0,255	5
110160	335	24-26	0,450	5
110164	370	27-32	0,630	5

Double ended ring spanner sets to DIN 838

chrome vanadium steel, bright chromium-plated, head polished, in plastic bags.



Art. no.	WS	kg	PU
110170	6-22	8-pieces	1,500
110172	6-32	12-pieces	3,430

Combination spanners similar to DIN 3113

chrome vanadium steel, chromium-plated, head polished, offset at 15°



Art. no.	TL	WS	kg	PU
110180	100	6	0,013	5
110182	110	7	0,016	5
110184	120	8	0,023	5
110186	130	9	0,025	5
110188	140	10	0,035	5
110190	150	11	0,045	5
110192	160	12	0,052	5
110194	170	13	0,070	5
110196	180	14	0,085	5
110198	190	15	0,095	5
110202	210	17	0,125	5
110204	220	18	0,140	5
110206	230	19	0,160	5
110212	260	22	0,255	1
110216	280	24	0,285	1
110222	310	27	0,390	1

Combination spanners similar to DIN 3113

chrome vanadium steel, bright chromium-plated, head polished, in plastic bags.



Art. no.	WS	kg	PU
110250	6-22	12-pieces	1,300

Combination spanners similar to DIN 3113

chrome vanadium steel, bright chromium-plated, head polished, in paper box



Art. no.	WS	kg	PU
110252	6-27	16-pieces	2,100

Open-jawed ring wrench with ratch function

Open-jawed ring wrench with ratch function made from chromium-vanadium steel, chromed surface, polished, fine-toothed, 72 teeth, swing angle 5°, ring side 13° angled, DIN 3113, ISO 3318, in a practical plastic box, wrench size 8 - 9 - 10 - 12 - 13 - 14 - 17 - 19 mm



Art. no.	WS	kg	PU
110900	8-19	8-pieces	1,500

Socket sets

Adjustable single-head wrench

Adjustable single-head wrench with ratch function made from chromium-vanadium steel, forged, chromed, DIN 3117, handle made from TPR, with lasered measuring scale



Art. no.	size	TL	kg	PU
110590	6-19	150	0,111	6
110592	9-24	200	0,111	6

Adjustable single-head wrench with ratch function

Adjustable single-head wrench with ratch function made from chromium-vanadium steel, fast and effective working, use of singlehead wrench does not need to be discontinued, forged, chromed, DIN 3117, handle made from TPR, with lasered measuring scale, mounting with anti-theft device and function test



Art. no.	size	TL	kg	PU
110583	6-19	150	0,160	6
110585	9-24	200	0,340	6

Socket set

1/4"

chrome vanadium steel, „Profi“-quality GS-tested, black plastic case, 1/4".

Contents:

12 Sockets: 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm,
1 ratchet handle, 72 gears with quick release function,
14 insert bit socket PH: 1 - 2 - 3,
HX: 3 - 4 - 5 - 6 - 8, TX: 10 - 15 - 20 - 25 -
27 - 30, 1 flexible extension bar, 2 extension
bars 50 & 100 mm, 1 universal joint, 1 sliding
T-bar, 1 spinner handle for screwdriver



Art. no.	kg	PU
110674	33-pieces	1,060 1

Socket set

3/8"

chrome vanadium steel, „Profi“-quality GS-tested, black plastic case, 3/8".

Contents:

18 Sockets: 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 -
22 - 24 mm, 1 ratchet handle, 72 gears with quick release function,
1 universal joint, 1 sliding head for
extension bar work as T handle,
2 spark plug sockets 16 & 21 mm,
3 extension bars 20 - 75 - 150 mm



Art. no.	kg	PU
110676	26-pieces	2,400 1

Socket set

1/2"

chrome vanadium steel, „Profi“-quality GS-tested, black plastic case, 1/2".

Contents:

20 Sockets: 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 -
24 - 26 - 27 - 28 - 30 - 32 mm, 1 ratchet
handle, 72 gears with quick release
function, 1 extension bar, safety locking
type 250 mm, 1 extension bar 125 mm,
1 sliding T-bar 300 mm, 1 universal joint



Art. no.	kg	PU
110677	25-pieces	4,600 1

Socket set

1/2" 1/4"

chrome vanadium steel, „Profi“-quality GS-tested, black plastic case.

Contents:

1/4": 12 Sockets 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm, 1 ratchet
handle, 1 universal joint, 1 sliding head for extension bar work as T handle,
2 extension bars 50 + 150 mm, 1 spinner handle for screwdriver, 12 insert bit
sockets: PH: 1-2, HX: 3 - 4 - 5 - 6, FD: 5.5 - 7, TX: 20 - 25 - 27 - 30, 5 Hex keys:
1.25 - 1.5 - 2.0 - 2.5 - 3.0 mm

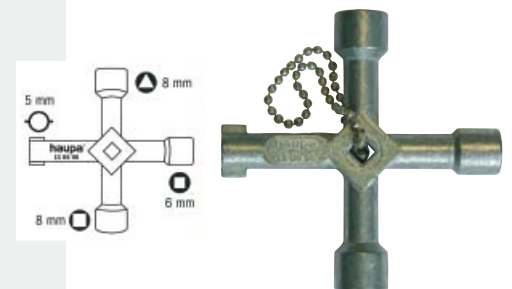
1/2": 13 sockets 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 - 32 mm,
1 ratchet handle, 2 extension bars 75 + 250 mm, 1 sliding head for extension bar
work as T handle, 2 plug sockets, 1 universal joint



Art. no.	kg	PU
110678	53-pieces	4,600 1

Spanners for switch-cabinets

made of metal for high torques, small size, low weight, with chain inside square
6 mm, inside square 7 - 8 mm, inside threesquare 7 - 8 mm, double size 3 - 5 mm



Art. no.	size	kg	PU
110696	72 x 72	0,060	10

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Pliers

Wire stripping pliers, Grip pliers,
Pipe wrenches, Special pliers
Tweezers



INFO

2-component pliers

Industrial quality

Pliers range with 2-component handles made of highquality, non-slip, thermoplastic elastomer.



2-component pliers Black Line

2-component combination pliers DIN 5746

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chromium-plated, polished head, for soft wire and hard wire



Art. no.	TL	soft	hard	kg	PU
210052	165	4,0	2,0	0,200	6
210053	185	4,0	2,2	0,265	6
210054	205	4,2	2,5	0,342	6

2-component side cutters DIN 5749

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chromium-plated, polished head, for soft wire and hard wire



Art. no.	TL	soft	hard	kg	PU
210067	140	4,0	1,8	0,163	6
210068	165	4,0	2,0	0,224	6

2-component heavy duty side cutters DIN 5749

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chromium-plated, polished head, for soft wire and hard wire



Art. no.	TL	soft	hard	kg	PU
210157	175	4,0	2,7	0,252	6
210158	205	4,2	3,0	0,306	6

2-component long flat nose pliers DIN 5745

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chromium-plated, polished head



Art. no.	TL	kg	PU
210313	160	0,145	6

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

2-component pliers Black Line

2-component long round nose pliers DIN 5745

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chromium-plated, polished head



Art. no.	TL	kg	PU
210350	160	0,130	6

2-component water pump pliers DIN 8976

chrome vanadium steel, forged and annealed, curved jaws, gripping chuck hardened, self-locking nut, finger protection, with 2 component plastic handle with hand protection, chromium-plated



Art. no.	TL	kg	PU
210584	240	0,460	6

2-component long chain nose pliers DIN 5745

with side cutter, straight, alloyed carbon steel, forged and annealed, cutting edges induction hardened, for soft wire and hard wire, with 2 component plastic handle with hand protection, chromium-plated, polished head



Art. no.	TL	kg	PU
210394	170	0,157	6
210396	200	0,200	6

2-component pliers set

Contents:

- 1 combination pliers 180 mm
- 1 diagonal cutter 160 mm
- 1 long chain nose pliers 200 mm
- 1 wire stripping pliers 160 mm



Art. no.	kg	PU
220128	0,980	1

2-component long chain nose pliers DIN 5745

with side cutter, 45° angled nose, alloyed carbon steel, forged and annealed, cutting edges induction hardened, for soft wire and hard wire, with 2 component plastic handle with hand protection, chromium-plated, polished head



Art. no.	TL	form	kg	PU
210398	200	45°	0,202	6

2-component pliers set

Contents:

- 1 combination pliers 180 mm
- 1 heavy duty diagonal cutter 180 mm
- 1 long chain nose pliers 200 mm
- 1 wire stripping pliers 160 mm



Art. no.	kg	PU
220129	1,000	1

Wire stripping pliers DIN 7168

alloyed carbon steel C 45, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated, polished head



Art. no.	TL	mm ²	kg	PU
210644	160	0,6-10	0,170	6

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INFO

ESD Electronic pliers

Industrial quality

Advantages:

- Elegant, ergonomically shaped, non-slip 2-component handle ensures comfortable and precise working
- Special tool steel, forged and tempered, edges hardened ($58 \pm 2\text{HRC}$)
- Surface resistance 10.9 Ohm, in accordance with electronics area ESD
- Each mechanism checked
- precision pliers for meticulous assembly work for example in electronics and precision engineering
- for picking up, holding and bending
- model with electric discharging
- precision hinges
- smooth handle surfaces
- low-friction double spring for smooth and steady opening
- handles with two-coloured multi-component handle covers black/green
- special tool steel

Not only people, objects also experience electrostatic charging as a result of movement, friction and being handled. Such charging can lead to the destruction of endangered components. HAUPA ESD - electronics pliers discharge such energy slowly and in a controlled way.

ESD Electronic needle nose pliers, 45° angle

Special tool steel



Art. no.	TL	form	kg	PU
211856	130	45°	0,090	1

ESD Electronic thin needle nose pliers

Special tool steel



Art. no.	TL	kg	PU
211858	140	0,090	6

ESD Electronic needle nose pliers

Special tool steel



Art. no.	TL	kg	PU
211850	130	0,090	1

ESD Electronic thin needle nose pliers, 45° angle

Special tool steel



Art. no.	TL	form	kg	PU
211860	140	45°	0,090	6

ESD Electronic needle nose pliers, 45° angle

Special tool steel



Art. no.	TL	form	kg	PU
211852	130	45°	0,090	1

ESD Electronic thin needle nose pliers

Special tool steel



Art. no.	TL	kg	PU
211862	150	0,090	6

ESD Electronic needle nose pliers

Special tool steel



Art. no.	TL	kg	PU
211854	130	0,090	1

ESD Electronic thin needle nose pliers, 45° angle

Special tool steel



Art. no.	TL	form	kg	PU
211864	150	45°	0,090	6

2-component ESD electronic pliers

ESD Electronic flat nose pliers

Special tool steel



Art. no.	TL	kg	PU
211866	130	0,095	6

ESD Electronic front cutter

Special tool steel



Art. no.	TL	kg	PU
211874	115	0,095	6

ESD Electronic round nose pliers

Special tool steel



Art. no.	TL	kg	PU
211868	130	0,070	1

ESD Electronic combination pliers

Special tool steel



Art. no.	TL	kg	PU
211876	115	0,090	6

ESD Electronic side cutter

Special tool steel



Art. no.	TL	kg	PU
211870	115	0,070	1

ESD Electronic pliers set

Special tool steel

Contents Art. No.: 21 18 62,
21 18 70,
21 18 74,
21 18 76



Art. no.	kg	PU
211880	0,360	1

4-pieces

ESD Electronic side cutters

Special tool steel



Art. no.	TL	kg	PU
211872	110	0,070	1

ESD Electronic side cutter without cutting-facet

Special tool steel



Art. no.	TL	kg	PU
211875	115	0,070	1

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2-component electronic pliers

Microelectronic side cutters



without cutting-facet, clearance angle: 50°, with clip, for soft wires up to 0.8 mm²



Art. no.	TL	kg	PU
211708	118	0,090	6

Microelectronic side cutters



without cutting-facet, clearance angle: 21°, with clip, for soft wires up to 1.3 mm²



Art. no.	TL	kg	PU
211720	132	0,090	6
211722	158	0,105	6

Tweezers

special design for wafers, long, extra small blades, needle fine top ends, stainless steel, antimagnetism acid resistant



Art. no.	TL	kg	PU
211080	130	0,014	1

Special pliers

Grip pliers

one jaw straight, one jaw movable, forged of chrome vanadium, a real universal plier for gripping any kind of workpiece, flat round or square, with quick-release lever



Art. no.	TL	WS	kg	PU
210556	250	0-40	0,630	1

Grip pliers

jaws drop, forged of chrome vanadium, adjustable, quick-release lever, half-round jaws, with wire cutter



Art. no.	TL	WS	kg	PU
210562	250	0-40	0,560	1

Pipe wrenches

chrome vanadium steel, polished



Art. no.	TL	WS	tube	kg	PU
210592	320	-45	1"	0,350	1
210594	435	-59	1 1/2"	0,800	1
210596	560	-76	2"	0,500	1

Riveting pliers

made of aluminium-pressure casting, all inner parts made of special alloyed steel and hardened, with 4 exchangeable nozzles 2,4 - 3 - 4 - 5 mm, for blind rivets of aluminium-copper or steel



Art. no.	TL	kg	PU
210770	250	0,480	1

Riveting tool set

in portable plastic box, **Contents:** 1 plier no. 21 07 70, 100 pieces of alu space rivets 4 mm Ø, short-middle-long, 2 twist drills and washers



Art. no.	TL	kg	PU
210776	250	0,850	1

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Standard tools

Accessories



Painters accessories

Wire brushes



Art. no.	TL	kg	PU
150002	300	0,130	6

Water brushes

real bristles, vulcanized, textile bound, bristles-Ø 24 mm, length of bristle 48 mm



Art. no.	width	kg	PU
150004	24	0,030	12

Plaster cups

soft rubber



Art. no.	Ø	depth	height	kg	PU
150006	125	90	90	0,125	1

Plaster pan

metal, with wood handle



Art. no.	Ø	depth	height	kg	PU
150008	160	40	40	0,250	1

Paint scrapers

steel, polished blade, with oval wooden handle



Art. no.	TL	width	kg	PU
150024	185	40	0,055	12
150026	205	50	0,060	12
150028	205	60	0,070	12

Impact cord rollers

without chalk, cord length 15 m



Art. no.	kg	PU
150016	0,255	6

Carpenters' pencils



Art. no.	kg	PU
150090	0,150	12

Marking chalk



Art. no.		kg	PU
150015 B	blue	0,018	12
150015 G	yellow	0,018	12
150015 R	red	0,018	12

Chalk

in plastic bottles, 250 g



Art. no.		kg	PU
140510	red	0,250	10
140520	blue	0,250	10
140530	yellow	0,250	10

Chalk

in bags



Art. no.		kg	PU
150018 BLAU	blue	0,060	12
150018	yellow	0,060	12
150018 ROT	red	0,060	12

Soldering accessoires

Soldering irons

chrome nickel steel tube, with schuko safety plug, replaceable nickel-plated copper tips



Art. no.	TL	Volt	Watt	kg	PU
160142	265	220	60	0,240	1
160144	315	220	80	0,300	1
160146	320	220	100	0,300	1

Soldering irons

with plastic handle, with schuko safety plug, replaceable copper tips, nickel-plated



Art. no.	TL	Volt	Watt	kg	PU
160150	250	220	30	0,165	1

Soldering irons

soldering tip internally heated, chrome vanadium tube, with plastic handle, with schuko safety plug, replaceable nickel-plated copper tips, for electronic work



Art. no.	TL	Volt	Watt	kg	PU
160190	200	220	15	0,80	1

Soldering set

Contents:

- 1 Electric soldering Iron 80 Watt
- 1 Hobbyists' solder 1 m
- 1 Radio solder 1 m
- 1 Soldering grease 20 g



Art. no.	Watt	kg	PU
160234	80	0,540	1

Solder in triangular sticks DIN 1707

length approx. 430 mm, approx. 250 g per stick, size: 11 x 11 x 11 x 430 mm



Art. no.	Sn%	Roll/g	kg	PU
160112	30	250	0,250	1
160114	40	250	0,250	1
160116	60	250	0,250	1

Soldering stone



Art. no.	kg	PU
160130	0,070	1

Soldering paste acc. to DIN 8511-F-SW 26

rosin halide-activated, field of application: electro-technic, electronics, manufacture of electrical appliances



Art. no.	kg	PU
160090	0,050	24

Soldering fluid acc. to DIN 8511-F-SW 32

rosin halide-activated, field of application: electro-technic, electronics, manufacture of electrical appliances



Art. no.	kg	PU
160092	0,050	1

Grease for soft soldering acc. to DIN 8511-F-SW 21

ammonium chloride, organic preparation field of application: general soldering work



Art. no.	kg	PU
160094	0,050	24
160096	0,100	12

Soldering grease for fittings acc. to DIN 8511-F-W 22

field of application: sanitary technics, copper tubes etc.



Art. no.	kg	PU
160100	0,080	1

Soldering fluid acc. to DIN 8511-F-W 21

ammonium chloride, organic preparation field of application: sanitary technics, copper tubes etc.



Art. no.	kg	PU
160102	0,065	1

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Solder for electronic work

Solder for electronic work acc. to DIN EN 29453

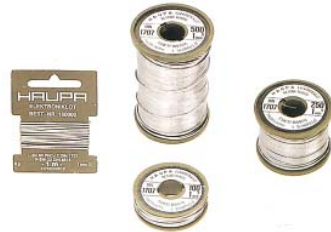
antimony-free, soldering flux acc. To DIN EN 29454, 1.1.2.B (F-SW 26), S-Sn60Pb40, rosin halide-activated



Art. no.	Ø	Sn%	Roll/g	kg	PU
160020	1	60	100	0,105	12
160022	1	60	250	0,255	12
160024	1	60	500	0,510	1
160026	1	60	1000	1,015	1
160028	1,5	60	1 m	0,014	48
160030	1,5	60	100	0,105	12
160042	1,5	60	250	0,255	12
160044	1,5	60	500	0,510	1
160046	1,5	60	1000	1,015	1
160050	2	60	100	0,105	12
160052	1	60	250	0,255	6
160054	1	60	500	0,510	1

Solder for electronic work acc. to DIN EN 29453

antimony-free, soldering flux acc. to DIN EN 29454, 1.1.2.B (F-SW 26), S-Sn60Pb40, rosin halide-activated



Art. no.	Ø	Sn%	Roll/g	kg	PU
160000	1	60	1 m	0,006	48
160002	1	60	100	0,105	12
160004	1	60	250	0,255	12
160006	1	60	500	0,510	1
160008	1	60	1000	1,015	1
160012	1,5	60	100	0,105	12
160014	1,5	60	250	0,255	12
160016	1,5	60	500	0,510	1
160018	1,5	60	1000	1,015	1

Solder for electronic work acc. to DIN EN 29453

antimony-free, soldering flux acc. To DIN EN 29454, 1.1.2.B (F-SW 26), S-Pb60Sn40, rosin halide-activated



Art. no.	Ø	Sn%	Roll/g	kg	PU
160060	2	40	100	0,105	12
160062	2	40	250	0,255	12

Fittings' solder acc. to DIN EN 29453

low antimony content, soldering flux acc. to DIN EN 29454, 2.1.3.B (F-SW 24), S-Pb60Sn40, ammonium chloride based, organically prepared



Art. no.	Ø	Sn%	Roll/g	kg	PU
160070	1,5	40	1 m	0,016	48
160072	2	40	100	0,105	12
160074	2	40	250	0,255	12

Fittings' solder acc. to DIN 29453, solid

S-Pb50Sn50 low antimony content



Art. no.	Ø	Sn%	Roll/g	kg	PU
160080	3	50	100	0,105	12
160082	3	50	250	0,255	12

Solder wire according to DIN EN 29453

lead-free special alloy, 2.5% flux percentage according to DIN EN 29454, 1.1.2.B (EN-61190-ROLO), 1.00 mm of Ø, 0,100 kg spools S-Sn99Cu1, DIN EN 29453 (Sn99, 3Cu0,7 - eutectic)



Art. no.	Ø	Sn%	Roll/g	kg	PU
160420	1	99	100	0,100	12
160422	1	99	250	0,250	12
160424	1	99	500	0,500	1
160426	1	99	1000	1,000	1
160430	1,5	99	100	0,100	12
160442	1,5	99	250	0,250	12
160444	1,5	99	500	0,500	1
160446	1,5	99	1000	1,000	1
160450	2	99	100	0,100	12
160452	2	99	250	0,250	6
160454	2	99	500	0,500	1

Solder wire according to Din EN 29453

lead-free special alloy, 3.5% flux percentage according to DIN EN 29454, 1.1.3.B (EN-61190-ROLO), 1.00 mm of Ø, 0, 100 kg spools S-Sn99Cu1, DIN EN 29453 (Sn99, 3Cu0,7 - eutectic)



Art. no.	Ø	Sn%	Roll/g	kg	PU
160402	1	99	100	0,100	12
160404	1	99	250	0,250	12
160406	1	99	500	0,500	1
160408	1	99	1000	1,000	1
160412	1,5	99	100	0,100	12
160414	1,5	99	250	0,250	12
160416	1,5	99	500	0,500	1
160418	1,5	99	1000	1,000	1

Steel stamp, figures (0 - 9) DIN 1451



Art. no.	size	set	kg	PU
130200	3	0-9	0,150	1
130201	4	0-9	0,200	1
130202	5	0-9	0,300	1
130203	6	0-9	0,450	1
130204	8	0-9	0,650	1
130206	10	0-9	0,800	1

Steel stamp, letters (A - Z), DIN 1451



Art. no.	size	set	kg	PU
130208	3	A-Z	0,650	1
130209	4	A-Z	0,650	1
130210	5	A-Z	0,850	1
130211	6	A-Z	1,300	1
130212	8	A-Z	1,950	1
130214	10	A-Z	2,200	1

Chisels, Hammers

Files



Chisels, centre punches, hatchets, hammers

Flat chisels to DIN 6453 A, flat oval shank

chrome vanadium air hardenend steel, golden varnishes



Art. no.	CW	TL	mat/S	mat/S1	kg	PU
180008	28	200	23	13	0,365	5
180010	28	250	23	13	0,470	5
180012	32	300	26	13	0,680	5

Stone chisels, flat oval shank

chrome vanadium air hardenend steel, golden varnishes



Art. no.	CW	TL	mat/S	mat/S1	kg	PU
180042	28	250	20	12	0,380	5
180044	32	300	23	13	0,600	5

Stone chisels, octagonal shank

chrome vanadium air hardenend steel, golden varnishes



Art. no.	CW	TL	mat/S	mat/S1	kg	PU
180062	28	250	16	16	0,390	5
180064	30	300	18	18	0,530	5

Jointing chisel

chrome vanadium air hardenend steel, golden varnishes, for light works, the wide and flat cutting edge allows a quick working and avoid a breaking out of the wall



Art. no.	CW	TL	mat/S	mat/S1	kg	PU
180076	26	250	26	7	0,230	10

Stone chisels, octagonal shank

chrome vanadium air hardenend steel, golden varnishes



Art. no.	CW	TL	mat/S	mat/S1	kg	PU
180082	14	250	14	14	0,280	5
180084	16	300	16	16	0,420	5

Electricians' chisels

chrome vanadium air hardenend steel, golden varnishes



Art. no.	CW	TL	mat/S	mat/S1	kg	PU
180090	8	200	6	6	0,055	10
180092	10	250	8	8	0,120	10
180094	12	250	8	8	0,120	10

Centre punch to DIN 7250

octagonal shank, chrome vanadium air hardenend steel, golden varnishes



Art. no.	TL	Ø	kg	PU
180120	120	12	0,090	10

Hammers

Firmer chisels DIN 5139

with bevelled edges and polished wood handle and cutting edge protector



Art. no.	CW	BL	TL	kg	PU
180464	14	150	280	0,120	6
180466	16	150	280	0,135	6
180468	18	150	280	0,150	6
180470	20	150	280	0,160	6
180474	24	150	280	0,185	6

Rubber hand guard

total length 140 mm, max. Ø 90 mm, for chisels flat oval shank



Art. no.	size	mat/S	mat/S1	kg	PU
180110	3	23	13	0,180	1

Pin punch set

golden varnishes, in folding metal case



Art. no.	kg	PU
180170	je pc each 3 - 4 - 5 - 6 - 8 - 10 mm	0,160 1

Household hatchet

varnished and polished cutting edge, DIN 5131



Art. no.	kg	PU
180173	600	6

Claw hammer

American model, 16 Oz, wood handle



Art. no.	size	kg	PU
180321	16	0,400	6

Hammers and handles

Claw hammer

American model, 16 Oz, fibre glass handle



Art. no.	size	kg	PU
180323	16	0,780	6

Engineers' hammer DIN 1041

with polished grooved ash-handle, with steel handle protection



Art. no.	HW	kg	PU
180182	200	0,280	6
180184	300	0,400	6
180186	400	0,505	6
180188	500	0,540	6

Engineers' hammer DIN 1041

with steel pipe handle and rubber grip



Art. no.	HW	kg	PU
180200	300	0,570	6
180202	500	0,780	6

Engineers' hammer DIN 1041

with red ultramid handle, low vibration



Art. no.	HW	kg	PU
180232	300	0,390	6

Engineers' hammer

english pattern, ball pin



Art. no.	HW	kg	PU
180274	340	0,340	6
180276	450	0,450	6

Double faced sledges to DIN 6475

with steel pipe handle and rubber grip



Art. no.	HW	kg	PU
180290	1000	1,290	6
180292	1250	1,500	6

Sledge hammer to DIN 6475

with polished ash handle, with steel handle protection



Art. no.	HW	kg	PU
180300	1000	1,080	6
180302	1250	1,380	6

Plastic hammer

with replaceable cellulidor striking faces and ash handle



Art. no.	Ø	kg	PU
180334	32	0,340	6
180346	replacement heads	0,020	1

Hammer handles to DIN 5111 B

ash wood, black varnishes



Art. no.	kg	PU
180372 180182	0,052	10
180374 180184	0,080	10
180378 180188	0,125	10

Sledge handles to DIN 5135 A

ash wood, black varnishes



Art. no.	kg	PU
180390 180300	0,115	10
180392 180302	0,115	10

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Files

Warding files DIN 7283

Set: 6 files with wooden handle, section A, B, C, D, E, F
in plastic wallet



Art. no.	TL	kg	PU
190120	100	0,120	1

Contact files

Set: 6 files in plastic wallet



Art. no.	TL	kg	PU
190126	130	0,070	1

Files assortment

5 files in plastic wallet, files with plastic handle
round
square
flat
half round
triangular



Art. no.	TL	kg	PU	
190130	200	bastard cut 1	0,760	1
190132	200	smooth cut 3	0,760	1

Knives

Tube cutters, Saws, Saw blades



Cable knives

Cable stripping or lead tube knives

with wooden handle



Art. no.	BL	kg	PU
200008	40	0,045	12

Cable stripping knives

solid handle, shock-proof synthetic, blade with straight and rounded scraper



Art. no.	BL	type	kg	PU
200010	60	1	0,070	12

Cable stripping knives

with black plastic scales, stainless blade with scraper



Art. no.	BL	type	kg	PU
200011	60	1	0,100	12

Cable stripping knives

with wooden scales, blade with scraper



Art. no.	BL	type	kg	PU
200012	60	1	0,080	12

Cable stripping knives

with wooden scales, blade and reamer



Art. no.	BL	type	kg	PU
200014	60	2	0,075	12

Cable stripping knives

with wooden scales, blade, reamer and screwdriver



Art. no.	BL	type	kg	PU
200016	60	3	0,080	12

Cable stripping knives

with plastic scales, 2 blades, reamer and screwdriver



Art. no.	BL	type	kg	PU
200018	60	4	0,090	12

Utility knives

manufactured from zinc di-cast, with 4 straight blades and 1 hook blade



Art. no.	BL	TL	kg	PU
200026	20	145	0,100	10
200028	Utility knives hook form		0,010	10
200030	Utility knives straight form		0,010	10

Utility metal knives with spare blades

Cutting of plastic, wallpaper, cardboards, leather, plywood, carpets, with automatic blades locking, reserve blade in the handle



Art. no.	BL	kg	PU
200025	25	0,080	1
200025/KL	spare blades		0,050 1

Utility metal knives with spare blades

Cutting of plastic, wallpaper, cardboards, leather, plywood, carpets, with automatic blades locking, reserve blade in the handle



Art. no.	BL	kg	PU
200027	25	0,090	1
200032	spare blades		0,084 1

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	TMA	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	Mat.	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Tin snips, tube cutters, saws

Hole-cutting tin snips

with polished blade, carbon steel, figure cuts (**large radii**)



Art. no.	TL	kg	PU
200140	250	0,520	1

Figure tin snips

with polished blade, carbon steel, right-hand cutting, for short straight and figure cutting (**small radii**)



Art. no.	TL	kg	PU
200154	260	0,455	1

Small tube cutter

with 1 cutting wheel and dual roller guides, Ø 1/8" - 5/8"



Art. no.	Ø	kg	PU
200190	3-16	0,100	1
200192	3-16	loose spare wheels	0,005 1

Tube cutter

with 1 cutting wheel and dual roller guides, retractable burr remover, Ø 1/8" - 1 3/8"



Art. no.	Ø	kg	PU
200194	3-35	0,415	1
200196	3-35	loose spare wheels	0,005 1

Saws, saw blades

Junior hacksaw

strong frame, nickel-plated



Art. no.	type	Sbl.	kg	PU
200280	metal	150	0,140	6

Junior hacksaw DIN 6473 C

with hacksaws blade for metal



Art. no.	type	Sbl.	kg	PU
200284	metal	150	0,080	6

Junior hacksaw

heavy type, with pistol type handle and hacksaw blade for metal, form A



Art. no.	type	Sbl.	kg	PU
200285	metal	150	0,200	6

Hand saw „PUK“

with hacksaws blade for metal, with fixed, varnished wooden handle



Art. no.	type	Sbl.	kg	PU
200290	metal	150	0,090	6

Hand saw „PUK“

with adjustable, varnished wooden handle, in plastic bag



Art. no.	type	Sbl.	kg	PU
200292	metal	150	0,110	12

Hacksaw „PUK“

acc. to DIN 6494C,
for Art. No. 20 02 92, 20 02 80, 20 02 90, 20 02 84, 22 02 85, 11 05 58



Art. no.	type	Sbl.	kg	PU
200286	wood	150	0,002	144
200288	metal	150	0,002	144

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Saws, saw blades

Hacksaw frame to DIN 6473 A

heavy duty type, varnished, with captivated tensions pins



Art. no.	type	Sbl.	kg	PU
200300	metal	300	0,780	6

Hacksaw frame

steel pipe with flat oval section, bright chrome-plated, tension bolt made from steel, form A



Art. no.	type	Sbl.	kg	PU
200304	metal	300	0,410	6

Hacksaw blades to DIN 6494

type A, single sided blade HSS-Bi-metal



Art. no.	type	Sbl.	kg	PU
200310	metal	300	0,017	50

Jig saw blades

Card with 5 jig saw blades, 3 x wood, 2 x metal



Art. no.	type	Content	kg	PU
200401	metal	5	0,036	1

Jig saw blades

for wood, plastic, 2.5 mm tooth pitch, blade conically ground, teeth diagonally sharpened



Art. no.	type	Content	kg	PU
200400	wood	5	0,225	1

Jig saw blades

for wood, plastic, 4 mm tooth pitch, blade conically ground, teeth diagonally sharpened



Art. no.	type	Content	kg	PU
200402	wood	5	0,225	1

Jig saw blades

for wood, plastic, 3 mm tooth pitch, side set teeth



Art. no.	type	Content	kg	PU
200404	wood	5	0,225	1

Jig saw blades

Curved saw blade for wood, 4 mm tooth pitch, side set teeth, teeth diagonally sharpened



Art. no.	type	Content	kg	PU
200412	wood	5	0,225	1

Jig saw blades

for metal, HSS, wavy set teeth, 1.2 mm tooth pitch, for steel and sheet metals



Art. no.	type	Content	kg	PU
200418	metal	5	0,030	1

Jig saw blades

for metal, bi-metal, long blade life, wavy set teeth, 1.2 mm tooth pitch, for steel and sheet metals



Art. no.	type	Content	kg	PU
200403	metal	5	0,350	1

Jig saw blades

for metal, HSS, wavy set teeth, 2 mm tooth pitch, for steel and sheet metals



Art. no.	type	Content	kg	PU
200405	metal	5	0,350	1

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Tool cases

Hard top tool cases, Leather tool cases



Assortment boxes

Metal tool boxes

5 compartments, complete black powder coating



Art. no.	width	depth	height	kg	PU
220080	430	215	200	4,400	1
220082	530	215	200	5,500	1

Assortment box (Polypropylene)

Features: Ideal for small parts – the lighter and reliable alternative to sheet steel bulk storage chests. Equipped with removable boxes thus allowing individual division. U-profiles in the cover and grids in the bottom of the box prevent unwanted slipping and allow stacking of several bulk storage chests.

Dimensions: W = 420 x D = 350 x H = 60 mm, colour: black/red.

Material: Bulk storage chest from polypropylene with transparent cover, rounded edges, ergonomic carrying handle and rigid snap closures.



Art. no.	width	depth	height	kg	PU
220131	420	335	65	1,2	1

Tool wallets

of black linen, with leather strap fastening



Art. no.	width	depth	kg	PU
220006	600	310	0,450	1

Leather tool cases

Tool case „Tradition“ and „Fan“

made of black leather, with 2 inside loops and 2 snap-locks.

22 00 22: Tradition

22 00 24: Fan



Art. no.	width	depth	height	kg	PU
220022	340	110	170	1,000	1
220024	370	115	255	2,000	1

Tool case „Achat“

made of black leather, all outside edges reinforced with Alu-squares, with galvanized floor-onset of sheet-metal collapsible front, snap-fasteners riveted on side, side-loops for carrying-belts, 2 snap-locks, all 4 inside with tool-compartments and adjustable loops, without carrying belts



Art. no.	width	depth	height	kg	PU
220052	420	165	320	3,200	1

Tool case „Favorit - Admiral - Profi“

made of black leather, with galvanized floor-onset of sheet-metal collapsible front, with locks, side-, front-, rear-parts as well as bottom and cover reinforced, inside with tool-compartments and adjustable loops, without carrying belts.

22 00 60: Favorit

22 00 64: Admiral

22 00 66: Profi



Art. no.	width	depth	height	kg	PU
220060	365	150	250	250	1
220064	470	145	315	350	1
220066	420	150	250	780	1

Tool case „Comet“

made of black leather, all outside edges reinforced with Alu-squares, with galvanized floor-onset of sheet-metal collapsible front, snap-fasteners riveted on side, side-loops for carrying-belts, 2 snap-locks, all 4 inside with tool-compartments and adjustable loops, without carrying belts



Art. no.	width	depth	height	kg	PU
220070	420	165	320	4,200	1

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Leather tool cases

HAUPA "Kick-Off"

Solid Nylon tool case for the trainee - with 20 tools.

Contents:

- 2C-VDE telephone pliers, 200mm
- 2C-VDE combination pliers, 180mm
- 2C-VDE side cutters, 160mm
- 2C-VDE wire stripping pliers, 160mm
- 2C-VDE electrician's screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150mm
- 2C-VDE cross slotted screwdrivers PH, size 1+2
- Cable knife, 1-piece
- VDE/GS Voltage tester, blade 50 mm, 100 - 250 V
- PUK pocket saw, fixed handle
- Brush
- Electricians' chisel, 10 x 250mm
- Stone chisel, 250mm
- Double-face sledge hammer, 1000 g
- Engineers' hammer, 300 g
- Spatula, 40mm
- Plaster container



Art. no.	empty		kg	PU
220574	220573	20-pieces	7,900	1

Tool case „Start“

Tool case for apprentices, made from black cow hide equipped with 20 tools.

Contents:

- 2C telephone pliers, 200 mm
- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C wire stripping pliers, 160 mm
- 2C-VDE electrician's screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 and 2
- Cable knife, 1-piece
- PUK pocket saw, fixed handle
- Brush
- Electricians' chisel, 10 x 250 mm
- VDE/GS Voltage tester - blade 50 mm
- Stone chisel, 300 mm
- Engineers' hammer, 300 g
- Double-face sledge hammer, 1000 g
- Spatula, 40 mm
- Plaster container



Art. no.	empty		kg	PU
220168	220060	20-pieces	6,700	1

HAUPA "Kick-Off Light"

Solid Nylon tool case for the trainee - with 10 tools.

Contents:

- 2C-VDE electrician's screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150mm
- 2C-VDE cross slotted screwdrivers PH, size 1+2
- 2C-VDE telephone pliers, 200mm
- 2C-VDE combination pliers, 180mm
- 2C-VDE side cutters, 160mm
- 2C-VDE wire stripping pliers, 160mm



Art. no.	empty		kg	PU
220575	220573	10-pieces	5,500	1

Tool case „Alpha“

Tool case made from black neat's leather, equipped with 19 tools. Case 22 00 60.

Contents:

- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, 200 mm
- 2C-VDE electrician's screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 and 2
- Voltage tester VDE/GS
- Wire stripping pliers, 0.5 - 4 mm²
- Cable stripper hooked blade, 8 - 28 mm Ø
- Cable knife, 1-pieces
- PUK pocket saw, fixed handle
- Electricians' chisel, 10 x 250 mm
- Stone chisel, 250 mm
- Engineers' hammer, 300 g
- Measuring Tape, 3 m
- Cabinet Level, 250 m



Art. no.	empty		kg	PU
220169	220060	19-pieces	5,300	1

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Leather tool cases

Tool case „Saphir“

Tool case for electrical contractor, made of green neat's leather, with 31 tools.
Case 22 00 70.

Contents:

- 2C long-nosed round pliers, 160 mm
- 2C telephone pliers, 200 mm
- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C wire stripping pliers, 160 mm
- 2C water pump pliers, 240 mm
- ESD elektronik side cutters, 115 mm
- 2CE electrician's screwdrivers 2.5 x 75, 4 x 100, 4 x 125, 5 x 150 mm
- 2C engineers' screwdrivers 6 x 100, 7 x 125, 8 x 150 mm
- 2C cross slotted screwdrivers PH, size 1 and 2
- 2C cross slotted screwdrivers PZ, size 1 and 2
- Electronic screwdriverset, 7-pieces
- Socket wrenches SW 5.5, 13, 17
- Allen key set, 8-pieces
- Cable stripper hooked blade, 8 - 28 mm Ø
- Combination snips 190 mm
- „PUK“ pocket saw, fixed handle
- Bench hammer 400 g
- Folding rules 2 m
- Cable cutter max. 16.9 mm
- Cable stripping knife plastic scales
- Voltage tester VDE/GS



Art. no.	empty	kg	PU
220154	220070	8,150	1
31-pieces			

Tool case „Phoenix“

Tool case for electrical contractor, made of black neat's leather, with 39 tools.
Case 22 00 70.

Contents:

- 2C long flat nose pliers, 160 mm
- 2C telephone pliers, 200 mm
- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C wire stripping pliers, 160 mm
- 2C water pump pliers, 240 mm
- ESD electronic side cutters, 115 mm
- ESD electronic needle nose pliers, 130 mm
- Crimping pliers multi insulated and non-insulated crimping terminals
- 2C engineers' screwdrivers 100, 125, 150 mm
- 2C electrician's screwdrivers 2.5 x 75, 4 x 125, 5 x 150, 5 x 175 mm
- 2C cross slotted screwdrivers PH, size 0, 1 and 2
- 2C cross slotted screwdrivers PZ, size 1 and 2
- Electronic screwdriverset, 7-pieces
- 2C socket wrenches, 5.5, 12, 17
- Reamer, round
- Allen key set, 8-pieces
- Adjustable wrench, 340 mm
- Cable stripper hooked blade, 8 - 28 mm Ø
- Combination snips, 190 mm
- PUK“ pocket saw, fixed handle
- Electrician's chisel, 10 x 250 mm
- Folding rules, 2 m
- Light metal spirit level, 400 mm
- Bench hammer, 300 g
- Cable cutter, max. 16.9 mm
- Cutter knife, plastic
- Cable stripping knife, plastic scales
- VDE/GS voltage tester 125 - 250 V



Art. no.	empty	kg	PU
220156	220070	8,250	1
39-pieces			

Tool case „Novelle 1“

Tool case for electrical contractor, made of black neat's, leather, with 26 tools.
Case 22 00 66.

Contents:

- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C heavy duty side cutters, 180 mm
- 2C telephone pliers, 200 mm
- 2C telephone pliers, 200 mm, bent
- 2C water pump pliers, 240 mm
- 2C wire stripping pliers, 160 mm
- 2C electrician's screwdrivers, 75, 125, 150 mm
- 2C engineers' screwdrivers, 100, 150 mm
- 2C cross slotted screwdrivers PH, size 1 + 2
- 2C cross slotted screwdrivers PZ, size 1 + 2
- Reamer square
- Cable stripper 0.5 - 4 Ø
- Cable stripper hooked blade, 8 - 28 mm Ø
- Painter scrapers
- Bench hammer 300 g
- Cable stripping knife plastic scales
- Combination snips 140 mm
- „PUK“pocket saw, adjustable handle
- Voltage tester "Basic"
- Voltage tester VDE/GS



Art. no.	empty	kg	PU
220152/1	220066	6,410	1
26-pieces			

Brass pad locks

body made from a solid brass block, hardened steel shackle, with 2 keys



Art. no.	size	kg	PU
220110	30	0,080	1
220112	40	0,140	1

Carrying belts

with 2 spring hooks



Art. no.	kg	PU
220054	0,140	1

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Backpacks, Nylonbags

Backpack

Tool backpack not only for the trainee, base shell rubber reinforced, double cross seam for high load. Material: extra strong 600D polyester, watertight and dirtrepellent, colour: black/green.



Art. no.	width	depth	height	kg	PU
220275	420	170	380	1,580	1

Backpack „Basic“

Tool backpack not only for the trainee, base shell rubber reinforced, double cross seam for high load.

Contents:

- 2C-Combination pliers 180 mm
- 2C-Side cutters 160 mm
- 2C-Telephone pliers 160 mm
- 2C-Wire stripping pliers 160 mm
- 2C-VDE electricians' screwdriver set, 6 pcs.
- Voltage tester 100-250 V
- Water brush
- Plaster cup
- Paint scraper, 40 mm
- Carpenters' pencil
- Stone chisel, 32x300 mm
- Electricians' chisel, 10x250 mm
- Engineers' hammer, 300 g
- Sledge hammer, 1000 g
- Cable knife, 1 blade
- PUK pocket saw, fixed handle
- Wire stripper, hooked blade, 8-28 mm Ø



Art. no.	empty		kg	PU
220278	220275	22-pieces	4,200	1

HAUPA Tool belt "Tool Pouch"

7 pockets to keep your tools handy with hammerloop and tapeholder belt loop with strong snap-button for easy attachment to belt. Material: extra strong 600D polyester



Art. no.	width	depth	height	kg	PU
220103	150	30	260	0,300	12

HAUPA Tool bag „Tool Pouch“

7 pockets to keep your tools handy with hammerloop and tapeholder belt loop with strong snap-button for easy attachment to belt. Material: extra strong 600D polyester.

Contents:

- 2C combination pliers
- 2C electricians' screwdriver
- 2C cross slotted screwdriver PH
- Cable stripper, manual
- VDE/GS voltage tester



Art. no.	empty		kg	PU
220506	220103	5-pieces	0,800	1

HAUPA Belt bag "Tool belt"

8 compartments for your tools, reinforced main compartment, steel rivets for high reliable quality. Big front compartment for nails or measurement tape, hammer sleeve, fits up to 135 cm hips, material: extra strong 600D polyester, colour: green, black



Art. no.	width	depth	height	kg	PU
220105	200	100	300	0,350	1

HAUPA Tool belt „Standard“

8 compartments for your tools, reinforced main compartment, steel rivets for high reliable quality. Big front compartment for nails or measurement tape, hammer sleeve, fits up to 135 cm hips. Material: extra strong 600D polyester, colour: green, black

Contents:

- 2C combination pliers 200 mm
- 2C side cutters 160 mm
- 2C electrician's screwdriver
- 2C cross slotted screwdrivers PH, size 1 and 2
- Engineers' hammer, 300 g
- Cable stripping knife, 1-piece
- Measuring tape, 3 m



Art. no.	empty		kg	PU
220213	220105	8-pieces	0,800	1

HAUPA Tool bag VDE

8 compartments for your tools, reinforced main compartment, steel rivets for high reliable quality. Big front compartment for nails or measurement tape, hammer sleeve, fits up to 135 cm hips, material: extra strong 600D polyester, colour: green, black

Contents:

- 2C electrician's screwdriver
- 2C cross slotted screwdrivers PH, size 1 and 2
- 2C combination pliers, 200 mm
- 2C side cutters, 160 mm
- Voltage tester "Basic"
- Cable knife, 1-piece



Art. no.	empty		kg	PU
220211	220105	7-pieces	1,600	1

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Nylonbags

Tool cases „Tool bag“

Tool bag with inner and outer tool compartments, rubber-reinforced base. Waterproof and dirt resistant, rubber-reinforced base, double cross-seam for heavy loads, removable shoulder strap, adjustable, 10 compartments outside (various sizes), 10 compartments inside (various sizes), belt for spirit level (outside), material: extra strong 600D polyester, colour: green, black



Art. no.	width	depth	height	kg	PU
220061	320	190	280	1,580	1

HAUPA „Tool bag“

Tool bag with inner and outer tool compartments, rubber-reinforced base. Comes complete with 22 tools. Features: Waterproof and dirt resistant, rubber-reinforced base, double cross-seam for heavy loads, removable shoulder strap, adjustable, 10 compartments inside/outside (various sizes), belt for spirit level (outside), material: extra strong 600D polyester, colour: green, black. Tool bag 22 00 61.

Contents:

- 2C-VDE electrician's screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C combination pliers, 200 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, straight
- 2C wire stripping pliers, 160 mm
- Voltage tester
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Water brush
- Paint scraper, 40 mm
- Electrician's chisel, 10 x 250 mm
- Stone chisel, 300 mm
- Engineers' hammer, 300 g
- Sledge hammer, 1000 g
- Plaster container
- Cable knife, 1 blade
- PUK pocket saw, fixed handle
- Carpenter's pencil



Art. no.	empty	kg	PU
220500	220061	22-pieces	6,430 1

HAUPA Tool bag 1000 V

Tool bag with inner and outer tool compartments, rubber-reinforced base. Comes complete with 13 tools.

Contents:

- 2C-VDE combinations pliers 185 mm
- 2C-VDE side cutters 165 mm
- 2C-VDE telephone pliers pliers, straight, 200 mm
- 2C-VDE wire stripping pliers 160 mm
- 2C-VDE-screwdriver set, 6 electrician's screwdrivers
- Spanner for switch-cabinets
- Cable knife
- Voltagetester "Basic"



Art. no.	empty	kg	PU
220510	220061	13-pieces	4,200 1

HAUPA „Big Box“

very big box look alike Tool bag, easy approach to the tools, inside and outside compartments for tools, reinforced handles, material: extra strong 600D polyester, colour: green, black



Art. no.	width	depth	height	kg	PU
220095	400	245	230	2,050	1

HAUPA „Trend Box Plus“

Tool bag for professional use. With inside and outside pockets, easy access to the tools, inside and outside compartments for tools, reinforced handles, material: extra strong 600D polyester, colour: green, black. Big box 22 00 95.

Contents:

- 2C-VDE electrician's screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C combination pliers, 180 mm
- 2C telephone pliers, 200 mm
- 2C side cutters, 160 mm
- 2C water pump pliers, 240 mm
- 2C wire stripping pliers, 160 mm
- Bit-Box, 17-pieces
- Voltage tester „Basic“
- Allen keys set, 7-pieces
- Adjustable single-head wrench
- Chalk - blue
- Impact cord roller
- Carpenters' pencil
- Engineers' hammer 300 g
- Cable stripping knife
- Junior hacksaw, heavy 150 mm
- Cable cutters 160 mm insulatet
- Combi-Drillbox
- Spanners for switch-cabinets
- Folding rule, fibre glass, 2 m



Art. no.	empty	kg	PU
220556	220095	25-pieces	6,430 1

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Nylonbags

HAUPA „Trend Box“

Tool bag for professional use. With inside and outside pockets, including 20 tools, easy approach to the tools, inside and outside compartments for tools, reinforced handles, material: extra strong 600D polyester, colour: green, black.

Contents:

- 2C combination pliers, 200 mm
- 2C side cutters, 160 mm
- 2C telephon pliers, straight, 200 mm
- 2C water pump pliers, 240 mm
- 2C VDE screwdrivers set, 6 electricians' screwdrivers
- Cable ties, 292 x 3,6 mm
- Cabinet spirit level
- Filling knife, 40 mm
- Electrician's chisel, 10 x 250 mm
- Voltage tester, VDE/GS
- Fitter's hammer, 300 g
- Universal stripper
- Measuring tape, 3 m
- PUK pocket saw, fixed handle
- Carpenters pencil



Art. no.	empty		kg	PU
220550	220095	20-pieces	8,000	1

Tool belts

Tool belts

10 compartments to organize your tools, hammer sleeve and tapeholder belt loop for easy attachment to belt, materials: extra strong 600D polyester, colour: black/green



Art. no.	width	height	kg	PU
220224	880	280	0,350	1

Tool belt „Basic“

10 compartments to organize your tools, hammer sleeve and tapeholder belt loop for easy attachment to belt, materials: extra strong 600D polyester, colour: black/green.

Contents:

- 2C-VDE-Electricians' screwdriver 5,5x125 mm
- 2C-VDE-Electricians' screwdriver 3x100 mm
- 2C-VDE-Cross slotted screwdrivers PH 2
- 2C-Combination pliers 180 mm
- 2C-Side cutters 160 mm
- VDE/GS Voltage tester 125-250 V
- Wire stripper, hooked blade, 8-28 mm Ø
- Cable cutter with stripping function
- Measuring tape 3 m
- Utility metal knife



Art. no.	empty		kg	PU
220280	220224	10-pieces	4,200	1

Jackets

HAUPA „Tool Jacket“

Tool jacket for quick access to your tools. Tool jacket for fitters including 10 tools. Quick assembly with strong zip, inside and outside pockets, particularly suitable for use in hot temperatures. Colour: green, black, width 500 mm, height 580 mm. Non-slip shoulder belt, breathable inside net, 2 document holders at back, 5 screwdriver pockets (with rubber adjustment), 1 pen pocket, 1 mobile phone pocket (Velcro®), 1 shear pocket (with rubber adjustment), 2 pliers pockets (pushbutton fastener), 1 voltage detector pocket (Velcro®), 1 pocket for small parts (Velcro®), hammer loop.



Art. no.	width	height	kg	PU
220053	500	580	0,300	1

HAUPA „Tool Jacket“

Tool jacket for quick access to your tools. Tool jacket for fitters including 10 tools. Quick assembly with strong zip, inside and outside pockets, particularly suitable for use in hot temperatures. Colour: green, black, width 500 mm, height 580 mm. Non-slip shoulder belt, breathable inside net, 2 document holders at back, 5 screwdriver pockets (with rubber adjustment), 1 pen pocket, 1 mobile phone pocket (Velcro®), 1 shear pocket (with rubber adjustment), 2 pliers pockets (pushbutton fastener), 1 voltage detector pocket (Velcro®), 1 pocket for small parts (Velcro®), hammer loop.

Contents:

- 2C-VDE electrician's screwdriver with PZ/FL profile
- 2C-VDE electrician's screwdrivers, 75, 10, 125 mm
- Combination pliers VDE
- Diagonal cutter VDE
- Voltage tester "Basic"
- 2C electrician's scissors
- 2C cross slotted screwdriver, PH, 80 mm
- Engineer's hammer 300 g



Art. no.	empty		kg	PU
220560	220053	10-pieces	1,000	1

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Hard-top tool cases

Tool case „Start up“ empty

Hard-top case, black, 2 tool kits, document pocket with hook-and-loop fixing, combination lock, bottom half of case equipped with variable partitions, shoulder strap



Art. no.	width	depth	height	kg	PU
220031	500	210	430	3,500	1

Tool case „Aktion“

2 tool kits (one with document pocket). Ground bowl with variables to dividing bars



Art. no.	width	depth	height	kg	PU
220038	460	160	310	5,500	1

Tool case „Omega“

rigid case, black, 28 compartments, 1 combination lock, 1 separation for documents, 2 plate for tools, 2 lockable locks, ground bowl with variables to dividing bars, running around push border



Art. no.	width	depth	height	kg	PU
220068	460	180	310	5,500	1

Tool case „Merkur“

rigid case, made of ABS-plastic material, black, empty, excellent rib-profile on the outside, high-quality locks, inside with separation for documents, 2 plates with compartments for several tools, 1 tray of ABS-plastics with separations for individual divisions



Art. no.	width	depth	height	kg	PU
220034	460	180	310	5,500	1

Network service case HAUPA

Hard-top case, black, for electricians and network technicians, 2 tool kits (one with document pocket), bottom half of case contains 8 small removable boxes, secured for transport purposes



Art. no.	width	depth	height	kg	PU
220073	460	160	310	4,800	1

Tool case „Rolly“

rigid case, made of ABS-plastic material, black, integrated rolls and pull-out handle in the bottom, locks of alu-press-casting, empty. Inside: 1 separation for documents, 1 plate for tools, 1 cover-plate with pocket compartments and clip-compartment, 1 bottom-tray



Art. no.	width	depth	height	kg	PU
220036	470	210	360	4,950	1

You can find more tool cases in this catalogue in
"Working under tension" from page 141.

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Hard-top tool cases

Tool case „Basic“

Hard-top case, black, 2 tool kits (one with document pocket), bottom half of case equipped with variable partitions, 19 tools.
Case 22 00 38 (460 x 160 x 310 mm).

Contents:

- 2C-VDE electrician's screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2-VDE cross slotted screwdrivers PH, size 1 and 2
- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, straight, 200 mm
- 2C wire stripping pliers, 160 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable knife, 1-pieces
- Engineers' hammer, 300 g
- PUK pocket saw, fixed handle
- Electricians' chisel, 10 x 250 mm
- Voltage tester blade, 50 mm
- Measuring stick, 2 m
- Paint scraper, 40 mm
- Water brushes



Art. no.	empty		kg	PU
220153	220038	19-pieces	7,000	1

Network-Servicecase

Hard-top case, black, for electricians and network technicians, 2 tool kits (one with document pocket), bottom half of case contains 8 small removable boxes, secured for transport purposes. Case 22 00 38 (21 pieces).

Contents:

- 2C side cutters, 160 mm
- 2C telephone pliers, 180 mm
- 2C telephone pliers, 200 mm, bent
- 2C electrician screwdrivers 75, 100, 150 mm
- 2C cross slotted screwdrivers PH, size 0, 1, 2
- Electronic screwdriver set, 7-pieces
- Control cabinet key
- Precision stripper "PWS-Plus" 0.25 - 0.8 Ø
- Combination snips 190 mm
- „PUK“ pocket saw, fixed handle
- Crimping pliers for coaxial connectors
- ESD electronic side cutters, 130 mm
- Stripper for coaxial cable
- VDE/GS voltage tester
- Stripper for UTP/STP data cable
- Crimping pliers for modular plugs
- Sensor tool



Art. no.	empty		kg	PU
220141	220038	21-pieces	8,800	1

Tool case „Start-up“

Hard-top case, black, 2 tool kits, document pocket with hook-and-loop fixing, combination lock, bottom half of case equipped with variable partitions, 19 tools.

Contents:

- 2C-VDE electrician's screwdrivers 2.5 x 75, 4 x 100, 5.5 x 125 und 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers, PH, size 1 + 2
- 2C combination pliers, 185 mm
- 2C side cutters, 165 mm
- 2C telephone pliers, 200 mm
- 2C wire stripping pliers, 160 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable knife, 1-pieces
- Engineers' hammer, 300 g
- PUK pocket saw, fixed handle
- Electricians' chisel, 10 x 250 mm
- Paint scraper, 40 mm
- Voltage tester, blade 50 mm
- Measuring tape, 3 m
- Water brush



Art. no.	empty		kg	PU
220221	220031	19-pieces	6,500	1

Network service case „Connect“

The perfect Starter package for data and network. Hard-top case, black, 2 tool kits, bottom half of case contains removable boxes, 13 tools. Case 22 00 73.

Contents:

- 2C electrician screwdrivers 2.5 x 75, 3 x 100, 4 x 125 mm
- 2C cross slotted screwdrivers PH, size 1 and 2
- Electronic screwdriverset, 7-pieces
- Stripper for UTP/STP data cable
- 2C side cutters 160 mm
- 2C telephone pliers, bent, 200 mm
- ESD electronic side cutters, 115 mm
- Sensor tool
- Crimping pliers for modular plugs
- 2C soft-grip scissors, 140 mm



Art. no.	empty		kg	PU
220150	220073	13-pieces	6,000	1

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Hard-top tool cases

Tool case „Akkurat“

Master's case for radio and television, with 32 tools, rigid case. Case 22 00 68.

Contents:

- 2C combination pliers, 160 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, straight, 200 mm
- 2C telephone pliers, bent, 200 mm
- 2C wire stripping pliers, 160 mm
- ESD electronic side cutters, 115 mm
- ESD electronic needle nose pliers, 130 mm
- ESD Electronic round nose pliers, 130 mm
- ESD electronic needle nose pliers, 130 mm, 45°
- Engineers' screwdrivers, 8 x 150 mm
- 2C cross slotted screwdrivers, PH, size 1 and 2
- 2C electrician's screwdrivers 2.5 x 75, 4 x 100, 4 x 125, 5 x 150
- 2C electrician's screwdrivers 2.5 x 75 (bare)
- Elektronic screwdriver set, 7-pieces
- Tweezer, straight, 130 mm
- Tweezer, flat, 145 mm
- 2C socket wrenches 5, 5.5, 6
- 2C piercing awl, round
- Voltage tester 50 - 250 Volt
- Checking mirror 210 mm
- Claw holder, size 525
- Spanner, 175 mm
- Universal scissors, 190 mm
- Crown scissors, 115 mm
- Solder, Sn 60% 1 mm 100 g
- Contact file set. 6 pieces



Art. no.	empty		kg	PU
220179	220068	32-pieces	9,980	1

Tool case „Diamant“

Master's case for domestic appliances, with 23 tools, rigid case, black. Case 22 00 68.

Contents:

- 2C long nose round pliers, 160 mm
- 2C long nose flat pliers, 160 mm
- 2C telephone pliers 200 mm
- 2C telephone pliers, bent, 200 mm
- 2C combination pliers 160 mm
- 2C side cutters, 160 mm
- 2C heavy duty side cutters, 200 mm
- Cable stripper 0.5 - 4 Ø
- ESD electronic side cutters, 115 mm
- Crimping pliers for crimping terminals
- 2C electrician's screwdrivers 4 x 100, 5 x 150 mm
- 2C engineers' screwdrivers 6 x 100, 8 x 150 mm
- 2C cross slotted screwdrivers, PH, size 1 and 2
- Socket wrench set, 1/4", 33 pieces
- „PUK“ pocket saw, fixed handle
- Bench hammer, 300 g
- Cable stripping knife, plastic scales
- VDE/GS Voltage tester
- Combination snips, 190 mm
- Cable cutter, max. 16.9 Ø



Art. no.	empty		kg	PU
220192	220068	23-pieces	9,500	1

Tool case „Inspektor“

rigid case, black, with high-grade fittings, Master's case with 25 tools. Case 22 00 68.

Contents:

- 2C combination pliers, 180 mm
- 2C heavy duty side cutters, 180 mm
- 2C telephone pliers, 200 mm
- 2C telephone pliers, bent 200 mm
- 2C water pump pliers, 240 mm
- 2C wire stripping pliers, 160 mm
- 2C electrician's screwdrivers 75, 125, 150 mm
- 2C engineers' screwdrivers 100, 150 mm
- 2C cross slotted screwdrivers PH, size 1 + 2
- 2C piercing awl
- Voltage tester, 150 - 250 V
- Adjustable wrench, 210 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Paint scraper, 50 mm
- Electricians' Chisel, 10 x 250 mm
- Engineers' hammer, 300 g
- Cable knife, 1 blade
- Universal scissors, 190 mm
- PUK pocket saw, fixed handle
- Measuring stick, 2 m
- Alu level 400 mm



Art. no.	empty		kg	PU
220176	220068	25-pieces	9,170	1

Tool case “2 component”

Hard-top case, for apprentices, black, 2 tool kits, one with document pocket, cover-plate with pocket compartments and clip-compartment, 18 tools. Case 22 00 38 (460 x 160 x 310 mm).

Contents:

- 2C telephone pliers, straight, 200 mm
- 2C combination pliers, 180 mm
- 2C heavy duty side cutters, 180 mm
- 2C wire stripping pliers, 160 mm
- 2C electrician's screwdrivers 2.5 x 75, 3 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C cross slotted screwdrivers, PH, size 1 and 2
- Cable knife, 1-pieces
- Wire stripper, hooked blade, 8 - 28 mm Ø
- PUK pocket saw, fixed handle
- Paint scraper, 40 mm
- Electricians' chisel, 10 x 250 mm
- Voltage tester, 220 - 250 volt
- Engineers' hammer, 300 g
- Measuring stick, 2 m



Art. no.	empty		kg	PU
220170	220038	18-pieces	7,000	1

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Hard-top tool cases

Tool case „Merkur Plus“

rigid case, black, Master's case with 25 tools. Case 22 00 34.

Contents:

- 2C electrician's screwdrivers 75, 125, 150 mm
- 2C engineers' screwdrivers 100, 150 mm
- 2C cross slotted screwdrivers, PH, size 1 and 2
- Universal scissor, 190 mm
- Cable knife, 1-piece
- Wire stripper, hooked blade, 8 - 28 mm Ø
- 2C combination pliers, 180 mm
- 2C heavy duty side cutters, 180 mm
- 2C telephone pliers, 200 mm
- 2C telephone pliers, bent, 200 mm
- 2C water pump pliers, 240 mm
- 2C wire stripping pliers, 160 mm
- PUK pocket saw, fixed handle
- Electricians' chisel 10 x 250 mm
- Measuring stick, 2 m
- Alu level, 400 mm
- 2C piercing awl
- Voltage tester 150 - 250 V
- Adjustable wrench, 210 mm
- Engineers' hammer, 300 g
- Paint scraper, 50 mm



Art. no.	empty		kg	PU
220035	220034	25-pieces	9,980	1

Tool case „Panther“

inside: 1 separation for documents, 2 plate for tools, 1 cover-plate with pocket compartments and clip-compartment. Case 22 00 38.

Contents:

- 2C electrician's screwdrivers, 75, 100, 125, 150 mm
- 2C engineers' screwdriver, 100 mm
- 2C cross slotted screwdrivers, PZ, size 1 and 2
- Control cabinet key
- Jointing chisel, 26 x 250 mm
- Electrician's chisel, 10 x 250 mm
- Cable stripping knife, plastic shank
- Universal saw, heavy 150 mm
- 2C combination pliers, 180 mm
- 2C heavy duty side cutters, 180 mm
- 2C telephone pliers, 200 mm
- 2C wire stripping pliers, 160 mm
- Cabinet level, 250 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Bench hammer, 300 g
- Voltage tester "Basic"
- VDE/GS voltage tester



Art. no.	empty		kg	PU
220040	220038	21-pieces	8,900	1

Tool case „Compact“

Hard-top case, black, 2 tool kits (one with document pocket), bottom half of case equipped with variable partitions, case 22 00 38.

Contents:

- 2C electrician's screwdrivers, 2,5 x 75, 4 x 100, 4 x 125, 5 x 150 mm
- 2C cross slotted screwdrivers, PH, size 1 and 2
- Electronic screwdriver set, 7-pieces
- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, 200 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable stripping knife, 4 - 16 mm Ø
- Automatic wire stripper, 0,2 - 6 mm²
- Cable cutter with a snap
- 2K Soft-Grip scissor, 140 mm
- PUK pocket saw, fixed handle
- HAUPA „Bit box“, 17-pieces
- SDS-plus set, 5-pieces
- Spirit level, 400 mm
- Measuring tape, 3 m
- Voltage tester „Basic“



Art. no.	empty		kg	PU
220229	220038	47-pieces	7,180	1

The ideal tool assortment

rigid case, black, with high-grade fittings, with 32 tools. Case 22 00 68.

Contents:

- 2C combination pliers, 180 mm
- 2C telephone pliers, 200 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, 200 mm
- 2C water pump pliers, 240 mm
- ESD electronic side cutters, 115 mm
- ESD electronic needle nose pliers, 130 mm
- 2C electrician screwdrivers 75, 75, 125, 150 mm
- 2C engineers' screwdrivers 100, 150 mm
- 2C cross slotted screwdrivers PH, size 1 + 2
- Electronic screwdriver set, 7-pieces
- Solder for electronic work, Sn 60%, 1.5 mm, 100 g
- Claw retriever with fixed shaft, size 165
- 2C piercing awl, square
- 2C socket wrenches 7, 8, 10
- Checking mirror, 210 mm
- Socket wrench set, 1/4", 33 piece
- Contact soldering iron, 30 watt
- Cable stripping knife, plastic handle
- Bench hammer, 300 g
- Universal saw, heavy 150 mm
- Cable stripper, 0.5 - 4 mm Ø
- Tweezer angled
- Combination snips, 190 mm
- VDE/GS Voltage tester



Art. no.	empty		kg	PU
220177	220068	32-pieces	9,980	1

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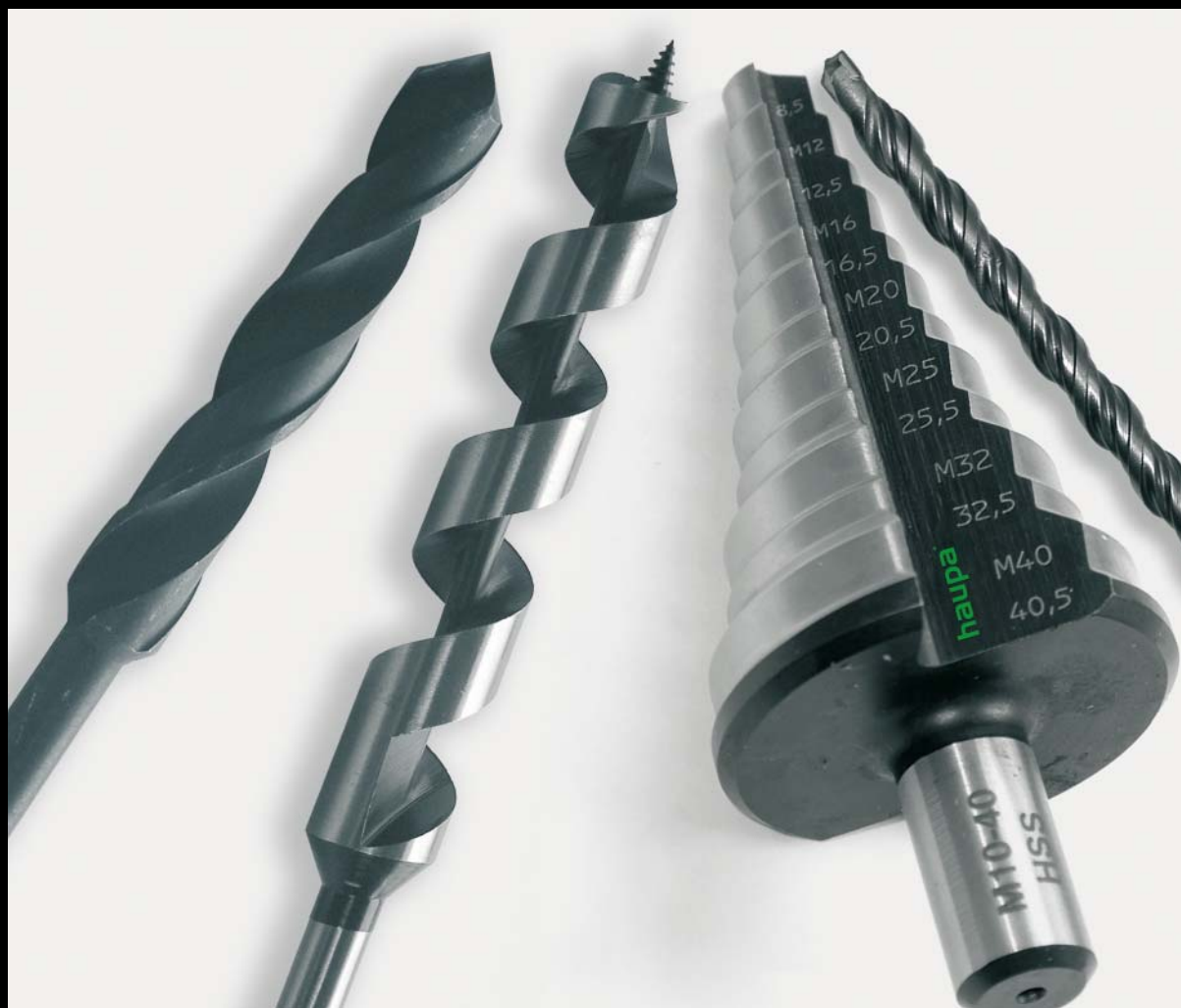
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Drilling tools

Measuring tools, Cutting blades



Twist drills

Twist drills DIN 338/HSS type N

point angle 118°, spiral angle 25 - 35°, Ø-tolerance h 8, of HSS, for drilling of steel, steel-casting alloyed and unalloyed up to approx. 900 N/mm² strength grey- and tempered casting, sinter iron, newsilver, graphite, alu-alloy, bronze and brass

Packing units:

individual in plastic bags
PB, R, TIN:

- up to 10 mm Ø in Polybag of 10 pieces
- from 10.2 mm Ø in Polybag of 5 pieces



Art. No.	Ø core-hole	SL	TL	PU	
230010	0,5	6	22	10	
230010/PB				10	
230010/R				10	
230010/TIN				10	
230020	1	12	34	10	
230020/PB				10	
230020/R				10	
230020/TIN				10	
230030	1,5	18	40	10	
230030/PB				10	
230030/R				10	
230030/TIN				10	
230032	1,6	M2	20	43	10
230032/PB				10	
230032/R				10	
230032/TIN				10	
230040	2	24	49	10	
230040/PB				10	
230040/R				10	
230040/TIN				10	
230050	2,5	M3	30	57	10
230050/PB				10	
230050/R				10	
230050/TIN				10	
230060	3	33	61	10	
230060/PB				10	
230060/R				10	
230060/TIN				10	
230064	3,2	36	65	10	
230064/PB				10	
230064/R				10	
230064/TIN				10	
230066	3,3	M4	36	65	10
230066/PB				10	
230066/R				10	
230066/TIN				10	
230070	3,5	39	70	10	
230070/PB				10	
230070/R				10	
230070/TIN				10	
230080	4	43	75	10	
230080/PB				10	
230080/R				10	
230080/TIN				10	
230084	4,2	M4	43	75	10
230084/PB				10	
230084/R				10	
230084/TIN				10	
230090	4,5	47	80	10	
230090/PB				10	
230090/R				10	
230090/TIN				10	
230100	5	M6	52	86	10
230100/PB				10	
230100/R				10	
230100/TIN				10	

Art. No.	Ø core-hole	SL	TL	PU	
230110	5,5	57	93	10	
230110/PB				10	
230110/R				10	
230110/TIN				10	
230120	6	M7	57	93	10
230120/PB				10	
230120/R				10	
230120/TIN				10	
230130	6,5	63	101	10	
230130/PB				10	
230130/R				10	
230130/TIN				10	
230136	6,8	M8	69	101	10
230136/PB				10	
230136/R				10	
230136/TIN				10	
230140	7	69	109	10	
230140/PB				10	
230140/R				10	
230140/TIN				10	
230160	8	75	117	10	
230160/PB				10	
230160/R				10	
230160/TIN				10	
230170	8,5	M10	75	117	10
230170/PB				10	
230170/R				10	
230170/TIN				10	
230180	9	81	125	10	
230180/PB				10	
230180/R				10	
230180/TIN				10	
230190	9,5	81	125	10	
230190/PB				10	
230190/R				10	
230190/TIN				10	
230200	10	87	133	10	
230200/PB				10	
230200/R				10	
230200/TIN				10	
230204	10,2	M12	87	133	10
230204/PB				5	
230204/R				5	
230204/TIN				5	
230210	10,5	87	133	10	
230210/PB				5	
230210/R				5	
230210/TIN				5	
230220	11	87	133	10	
230220/PB				5	
230220/R				5	
230220/TIN				5	
230230	11,5	94	142	10	
230230/PB				5	
230230/R				5	
230230/TIN				5	
230240	12	M14	101	151	10
230240/PB				5	
230240/R				5	
230240/TIN				5	
230244	12,5	101	151	10	
230244/PB				5	
230244/R				5	
230244/TIN				5	
230250	13	101	151	10	
230250/PB				5	
230250/R				5	
230250/TIN				5	

Technical information:

Standard version:
Industrial quality, dressed to size from solid material, high true tuning precision, long tool life, cutter separate packet in plastic bags or as a set in a box.

- /PB:** as beside
- /R:** workshop quality, wheeled milled
- /TIN:** as beside, titanium nitride coating

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm²	Diameter in mm²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Twist drills DIN 338/HSS type N

made from high power steel, in plastic pocket



Art. no.	∅		kg	PU
230312	1 - 10	19-pieces	0,700	1
230312/R	1 - 10		0,700	1
230312/TIN	1 - 10		0,700	1
230314	1 - 13	25-pieces	1,270	1
230314/R	1 - 13		1,500	1
230314/TIN	1 - 13		1,000	1

Bulk storage chest for twist drills

HSS, DIN 338, 170 pieces, TYP N, short, ground, bright, with split point, TIN coated.

Contents: 1.0 - 10.0 mm (upstairs in 0.5 mm steps) up to 8,0 mm 10 pieces/size > 8,5 mm 5 pieces/size



Art. no.		kg	PU
230301/TIN	170-pieces	4,550	1

Drills

Auger bit, type Lewis



Art. no.	TL	∅	kg	PU
231502	460	6	0,005	1
231508	235	10	0,005	1
231516	235	14	0,005	1
231524	235	18	0,200	1
231526	460	18	0,500	1
231528	235	20	0,005	1
231530	460	20	0,005	1
231532	235	22	0,300	1
231534	460	22	0,500	1
231540	235	26	0,005	1
231544	235	28	0,005	1
231546	460	28	0,005	1

Drill type machine bits for wood

made from carbon steel, concentrically ground, with centre point and front cutter



Art. no.	TL	∅	kg	PU
230616	70	3	0,005	10
230618	80	4	0,008	10
230620	90	5	0,012	10
230622	100	6	0,017	10
230626	120	8	0,030	10
230628	130	9	0,040	10
230630	137	10	0,050	10
230634	150	12	0,080	10
230636	170	13	0,085	10

Flat bits

with flat cutter head, square shank, DIN 6447 A



Art. no.	TL	∅	shank	kg	PU
230732	150	10	6	0,035	12
230734	150	12	6	0,035	12
230736	150	14	6	0,038	12
230738	150	16	6	0,038	12
230740	150	18	6	0,045	12
230742	150	20	6	0,045	12
230746	150	24	6	0,045	12

Casing drill

With cylindrical clamping shaft, cutting element made of chrome vanadium steel



Art. no.	TL	∅	kg	PU
231750	400	6	0,005	1
231752	400	8	0,005	1
231754	400	10	0,005	1
231756	400	12	0,005	1
231758	400	13	0,005	1
231760	400	17	0,005	1
231766	400	22	0,200	1

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Drills

Masonry drills DIN 8039

carbide tipped, with straight shank, each piece in plastic pocket



Art. no.	TL	Ø	CL	kg	PU
230330	70	3	40	0,005	10
230331	75	3,5	45	0,005	10
230332	80	4	45	0,008	10
230334	85	4,5	50	0,008	10
230336	90	5	50	0,011	10
230338	95	5,5	55	0,012	10
230340	100	6	60	0,018	10
230342	105	6,5	65	0,018	10
230344	110	7	65	0,018	10
230346	120	8	70	0,027	10
230352	140	10	90	0,035	10
230354	150	11	95	0,082	10
230356	160	12	105	0,090	10
230358	170	13	110	0,100	10
230360	180	14	115	0,120	10
230362	190	15	125	0,165	10
230364	190	16	125	0,165	10

Masonry drills DIN 8039

carbide tipped, with straight shank, each piece in plastic pocket



Art. no.	TL	Ø	CL	kg	PU
230370	400	8	300	0,130	10
230372	400	10	300	0,130	10
230374	400	12	300	0,240	10
230376	400	14	300	0,310	10
230378	400	16	300	0,425	10
230380	400	18	300	0,550	10
230382	400	20	300	0,590	10
230400	600	8	500	0,200	10
230402	600	10	500	0,220	10
230404	600	12	500	0,330	10
230406	600	14	500	0,360	10
230408	600	16	500	0,550	10
230410	600	18	500	0,670	10
230412	600	20	500	1,000	10
230414	600	22	500	1,050	10

Masonry drill bit

High-Helix Masonry drill bit, sand blasted, countersink construction, professional quality



Art. no.	TL	Ø	kg	PU
231700	70	3	0,010	10
231702	85	4	0,010	10
231704	95	5	0,015	10
231706	100	6	0,018	10
231708	100	7	0,020	10
231710	120	8	0,027	10
231712	120	9	0,030	10
231714	120	10	0,035	10
231716	150	11	0,090	10
231718	150	12	0,100	10

SDS hammer drill bits

Top quality: SDS-Plus fast fitting system: 2 lengthwise slots and 2 round slots at the end of the shank. Universal tool fitting for different types of hammer drills according to the SDS-Plus system



Art. no.	TL	Ø	CL	kg	PU
230430	110	5	50	0,042	10
230431	160	5	100	0,045	10
230432	110	5,5	50	0,045	10
230433	160	5,5	100	0,045	10
230434	110	6	50	0,046	10
230436	160	6	100	0,052	10
230438	110	6,5	50	0,040	10
230438/A	160	7	100	0,050	10
230438/B	160	6,5	100	0,050	10
230440	110	7	50	0,048	10
230442	110	8	50	0,052	10
230442/A	160	8	100	0,050	10
230444	210	8	150	0,071	10
230444/A	460	8	400	0,170	10
230448	160	10	100	0,068	10
230450	210	10	150	0,090	10
230450/A	260	10	150	0,110	10
230451	460	10	400	0,180	10
230453	210	12	150	0,100	10
230454	160	12	100	0,080	10
230456	260	12	200	0,120	10
230457	460	12	400	0,250	10
230458	160	13	85	0,100	10
230459	600	12	540	0,315	10
230460	160	14	100	0,100	10
230460/A	260	14	200	0,150	10
230461	460	14	400	0,300	10
230464	210	16	150	0,140	10
230466	460	16	400	0,380	10
230467	600	14	540	0,390	10
230473	600	16	540	0,500	10
230474	210	20	150	0,230	10
230475	460	18	400	0,460	10
230478/1	600	10	540	0,230	10
230395	460	20	400	0,520	10
230396	600	20	540	0,700	10
230397	460	22	400	0,620	10
230398	460	25	400	0,670	10

SDS-Nut-hammer drill sets

Contents: 5, 6, 8 x 110 / 6, 8, 10, 12 x 160



Art. no.	kg	PU
230479	0,720	1

Drills

SDS hammer drill bits

Workshop quality: SDS-Plus fast fitting system: 2 lengthwise slots and 2 round slots at the end of the shank. Universal tool fitting for different types of hammer drills according to the SDS-Plus system



Art. no.	TL	Ø	CL	kg	PU
230900	110	5	50	0,042	10
230902	160	5	100	0,049	10
230904	110	5,5	50	0,045	10
230906/1	160	5,5	100	0,050	10
230908	110	6	50	0,046	10
230910	160	6	100	0,049	10
230912	110	6,5	50	0,046	10
230914	160	6,5	100	0,049	10
230916	110	7	50	0,048	10
230918	160	7	100	0,050	10
230920	110	8	50	0,050	10
230922	160	8	100	0,052	10
230924	210	8	150	0,071	10
230926	160	10	100	0,068	10
230928	210	10	150	0,095	10
230930/1	260	10	150	0,107	10
230932	450	10	400	0,155	10
230934	600	10	540	0,365	10
230936	260	11	210	0,070	10
230938	160	12	100	0,077	10
230940	210	12	150	0,106	10
230942	310	12	260	0,120	10
230944	460	12	400	0,250	10
230946	600	12	540	0,315	10
230948	160	13	100	0,085	10
230950	160	14	100	0,200	10
230952	260	14	210	0,250	10
230954/1	460	14	400	0,300	10
230956	600	14	540	0,365	10
230958	160	15	100	0,120	10
230960	210	16	150	0,195	10
230962/1	460	16	400	0,355	10
230964	600	16	540	0,450	10
230966	200	18	140	0,240	10
230968	460	18	400	0,420	10
230970	210	20	150	0,240	10
230972	310	20	250	0,305	10
230974	460	20	400	0,365	10
230976	460	22	400	0,550	10
230978	460	25	400	0,750	10

SDS-hammer drill sets

Contents: 5, 6 x 110, 6, 8, 10 x 160



Art. no.	kg	PU
230979	0,500	1

HSS taps "Direct cutter"

with intermittent teeth, dimensions to DIN 371, or ISO metric thread to DIN 13



Art. no.	shank	thread	kg	PU
230982	4,5	4	0,004	1
230984	6	5	0,008	1
230986	6	6	0,010	1
230988	6	8	0,012	1

Screw extractor set



Art. no.	size	kg	PU
230682	1-5/M3-18	0,175	10
230683	1-6/M3-24	0,200	10

Hand taps DIN 352, type N/HSS

set of 3, for ISO metric thread to DIN, 1, 2, 3-cutter, made of HSS, for pass-through threading, for good chipping steel up to approx. 900 N/mm²



Art. no.	Ø	shank	thread	kg	PU
230800	1	2,5	1	0,001	1
230802	1,4	2,5	1,4	0,001	1
230804	1,6	2,5	1,6	0,002	1
230806	1,8	2,5	1,8	0,002	1
230808	2	2,8	2	0,002	1
230810	2,2	2,8	2,2	0,002	1
230812	2,5	2,8	2,5	0,002	1
230814	3	3,5	3	0,003	1
230816	3,5	4	3,5	0,004	1
230818	4	4,5	4	0,004	1
230820	4,5	5,5	4,5	0,005	1
230822	5	6	5	0,009	1
230824	6	6	6	0,011	1
230826	7	6	7	0,012	1
230828	8	6	8	0,014	1
230830	9	7	9	0,017	1
230832	10	7	10	0,020	1
230834	11	8	11	0,025	1
230836	12	9	12	0,036	1
230838	14	11	14	0,052	1
230840	16	12	16	0,062	1
230842	18	14	18	0,102	1
230844	20	16	20	0,125	1
230846	22	18	22	0,182	1
230848	24	18	24	0,205	1
230850	27	20	27	0,260	1
230852	30	22	30	0,370	1
230854	33	25	33	0,480	1
230856	36	28	36	0,645	1
230858	39	32	39	0,820	1
230860	42	32	42	0,930	1
230862	45	36	45	1,140	1
230864	48	36	48	1,370	1
230866	52	40	52	1,650	1
230868	56	45	56	2,800	1
230870	60	45	60	2,900	1

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Threading bits, taps

Ratchet wrenches

for right-hand and left-hand action



Art. no.	shank	thread	kg	PU
231070	2,4 - 5,5	M3 - 9	0,185	1
231072	4,5 - 7	M9 - 12	0,360	1
231074	2,4 - 5,5	M3 - 9	0,285	1
231076	4,5 - 7	M5 - 12	0,465	1

HSS taps set

with taps to DIN 352, in metal box,

Contents: M3, M4, M5, M6, M8, M10, M12



Art. no.	kg	PU
231080	23-pieces	0,770 1

Combi, threading bit set, made of HSSG SGE-Bit (DBGM)

for drilling, threading and countersinking, for stand drilling machines and hand drills, suitable for steel and NE metal up to 1 xd (M 6 = 6 mm thickness of material), up to 600 N/mm² tensile strength, rpm according to the cutting speeds of the tride, in metal box

Contents: M 3, 4, 5, 6, 8, 10



Art. no.	kg	PU
231082	7-pieces	0,250 1

Adjustable tap wrenches DIN 1814

for taps



Art. no.	thread	tap wrench	kg	PU
231050	M1 - 8	0	0,050	1
231052	M1 - 10	1	0,095	1
231054	M1 - 12	1,5	0,130	1
231056	M4 - 12	2	0,280	1
231058	M5 - 21	3	0,700	1
231060	M9 - 27	4	1,270	1
231062	M12 - 33	5	1,630	1
231064	M19 - 38	6	4,520	1

HSS Tap set

Contents:

hand tap (DIN 352) M 3, 4, 5, 6, 8, 10, 12
 Dies (DIN 223) M 3, 4, 5, 6, 8, 10, 12,
 Dies stock 20 x 5/20 x 7/25 x 9/
 30 x 11/38 x 14 mm
 tape holder size 1 + 2,
 in metal box



Art. no.	kg	PU
231280	23-pieces	3,700 1

HSS Tap set

Contents:

Hand tap (DIN 352) M 5, 6, 8, 10, 12,
 14, 16, 18, 20
 Dies (DIN 223)
 M 5, 6, 8, 10, 12, 14, 16, 18, 20
 Dies holder
 20 x 7/25 x 9/30 x 11/38 x 14/45 x 18 mm
 Tap holder size 1 + 3, in metal box

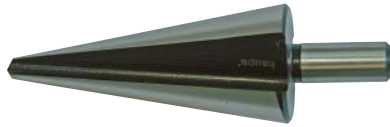


Art. no.	kg	PU
231282	25-pieces	8,200 1

Cone drills

Cone drills/Aerial drills/HSS

for edgefree drilling of thin material



Art. no.	shank	min./Ø	max./Ø	kg	PU
231300	6	3	14	0,021	1
231301	8	6	20	0,047	1
231330	8	6	22,5	0,050	1
231302	10	16	30	0,128	1
231304	12	26	40	0,260	1
231305	10	6	30	0,200	1
231306	12	36	50	0,350	1
231307	13	46	60	0,510	1

Set of cone drills/HSS

4 pieces, in metal box, 1 piece each No. 1, 2, 3 (Ø 3 - 30 mm), plus paste, suitable for NE material, soft steel sheet, similar to ST 14 - 37, Nirosta steel sheet A 2, for duro or thermo plastic



Art. no.	Ø	kg	PU
231312	3-30	0,585	1

Combination step drills/HSS

for metric PG rough thread-through-hole and core-hole-drillings, 6 drilling diameters for core-hole with 5 mm step for sheet metal up to max. 6 mm.

Through-hole: 8,5 - 12,5 - 16,5 - 20,5 - 25,5 - 32,5 - 40,5 mm

Core-hole: 10,5 (M12) - 14,5 (M16) - 18,5 (M20) - 23,5 (M25) - 30,5 (M32) - 38,5 (M40)



Art. no.	min./Ø	max./Ø	kg	PU
231319	8,5	40,5	0,150	1

Step drills

Step drills /HSS

Special type for electric assembly, for sheet metal up to max. 4 mm gauge, for metric thread through-hole drilling, 8,5 - 12,5 - 16,5 - 20,5 - 25,5 - 32,5 - 40,5 mm



Art. no.	min./Ø	max./Ø	kg	PU
231324	8,5	40,5	0,205	1

Step drills /HSS

thickness up to max. 6 mm, for metric core-hole-drilling, 8,5 - 10,5 - 14,5 - 18,5 - 23,5 - 30,5 mm



Art. no.	min./Ø	max./Ø	kg	PU
231326	8,5	30,5	0,205	1

Step drills /HSS

special type for electric assembly, for sheet steel up to 4 mm thickness, for amoured conduit thread sizes



Art. no.	min./Ø	max./Ø	kg	PU
231320	7	29	0,205	1
231322	7	21	0,135	1

Rotary guide value for step drills/cone drills

Material	unleg. Baustahl < 700 N/mm ² Mild steel < 700 N/mm ²	unleg. Baustahl > 700 N/mm ² Mild steel > 700 N/mm ²	leg. Stahl < 1000 N/mm ² Alloy steel < 1000 N/mm ²	Gußeisen < 250 N/mm ² Cast iron < 250 N/mm ²	Gußeisen > 250 N/mm ² Cast iron > 250 N/mm ²	Edelstahl rostfrei Stainless steel	CuZn Leg. spröde CuZn alloy brittle	CuZn Leg. zäh CuZn alloy tough	AL Leg. < 11% Si Alloy steel < 11% Si	Thermo- plaste Thermo plastic	Duro- plaste Duro plastic	Holz Wood
Materialstärke	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	3,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	25,0 mm
Material gauge	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	3,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	25,0 mm
Kühlung	Bohrpaste	Bohrpaste	Bohrpaste	Luft	Luft	Bohrpaste	Luft	Luft	Bohrpaste	H ₂ O	Luft	Luft
Lubricant	Drilling paste	Drilling paste	Drilling paste	Air	Air	Drilling paste	Air	Air	Drilling paste	H ₂ O	Air	Air
Vc = m / min	25	20 - 25	20	15	10	5	60	35	30	20	15	> 40
Ø mm	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m
4,0 - 12,0	1900 - 600	1700 - 580	1550 - 520	1190 - 400	800 - 250	400 - 130	4700 - 1550	2750 - 920	2350 - 790	1550 - 520	1190 - 400	3000 - 1000
4,0 - 20,0	1900 - 400	1700 - 350	1550 - 300	1190 - 240	800 - 160	400 - 80	4700 - 950	2750 - 550	2350 - 470	1550 - 300	1190 - 240	3000 - 650
12,0 - 20,0	600 - 400	600 - 350	520 - 300	400 - 240	250 - 160	130 - 80	1550 - 950	920 - 550	790 - 470	520 - 300	400 - 240	1000 - 650
4,0 - 24,0	1900 - 300	1700 - 280	1550 - 250	1190 - 200	800 - 130	400 - 65	4700 - 790	2750 - 460	2350 - 400	1550 - 250	1190 - 200	3000 - 550
6,0 - 30,0	1300 - 250	1200 - 230	1000 - 200	780 - 150	530 - 100	250 - 50	3150 - 630	1850 - 370	1590 - 310	1000 - 200	780 - 150	2100 - 420
20,0 - 30,0	400 - 250	350 - 230	300 - 200	230 - 150	160 - 100	80 - 50	950 - 630	550 - 370	470 - 310	300 - 200	230 - 150	650 - 420
6,0 - 36,0	1300 - 220	1200 - 200	1000 - 170	780 - 130	530 - 90	250 - 45	3150 - 530	1850 - 300	1590 - 260	1000 - 170	780 - 130	2100 - 350
30,0 - 40,0	250 - 200	230 - 180	200 - 150	150 - 120	100 - 80	50 - 40	630 - 470	370 - 280	310 - 240	200 - 150	150 - 120	420 - 310
40,0 - 50,0	200 - 160	180 - 140	150 - 125	120 - 90	80 - 65	40 - 30	470 - 380	280 - 220	240 - 190	150 - 125	120 - 90	310 - 250
50,0 - 60,0	160 - 130	140 - 110	125 - 100	90 - 80	65 - 50	30 - 25	380 - 310	220 - 185	190 - 150	125 - 100	90 - 80	250 - 210

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Step drills

Step drills /HSS

for armoured conduit core removing hole sizes up to 6 mm thickness



Art. no.	min./∅	max./∅	kg	PU
231323	7	21	0,150	1

Step drills /HSS

for mechanical engineering and tinsmith working, with 2 cutters, metric



Art. no.	shank	min./∅	max./∅	kg	PU
231336	6	4	12	0,017	1
231338	9	12	20	0,060	1
231340	12	20	30	0,190	1
231342	12	30	40	0,385	1
231350	6	4	12	0,017	1
231352	8	4	20	0,069	1
231354	10	6	30	0,153	1

Step drills assortment/HSS

4 pieces, for mechanical engineering and tinsmith working, with 2 cutters.

Contents: ∅ 4 - 12 mm, ∅ 12 - 20 mm, ∅ 20 - 30 mm, paste



Art. no.	size	kg	PU
231327	4-30	0,650	1

Drilling paste

high quality drilling paste, in practical container, 18 g



Art. no.	kg	PU
231334	0,040	1

Screw punches, hollow core cutters, threading dies

Spare screws

Spare screws for screw punches



Art. no.	size	kg	PU
180530	10 x 1,0	0,060	1
180532	12 x 1,5	0,060	1
180534	16 x 1,5	0,060	1

Screw punches

matching for cable connection acc. the new Euro-Norm EN 50262, with 3 cutting edges for iron sheet up to 2 mm, steel sheet up to 1,5 mm, stainless- steel sheet up to 1,5 mm thickness



Art. no.		screws	kg	PU
180513	metric ISO 16	180530	0,185	1
180515	metric ISO 20	180530	0,100	1
180517	metric ISO 25	180530	0,150	1
180519	metric ISO 32	180532	0,400	1
180521	metric ISO 40	180532	0,950	1
180523	metric ISO 50	180534	1,300	1
180525	metric ISO 63	180534	1,600	1
180500	PG PG9	180530	0,080	1
180502	PG PG11	180530	0,150	1
180504	PG PG13,5	180530	0,165	1
180506	PG PG16	180530	0,100	1
180508	PG PG21	180530	0,250	1
180510	PG PG29	180532	0,400	1
180512	PG 30,5	180534	0,400	1
180514	PG PG36	180534	0,800	1
180516	PG PG42	180534	1,250	1
180518	PG PG48	180534	1,300	1
180520	PG 1 1/8"	180530	0,250	1

Taps for armoured steel conduits, metric thread



Art. no.	thread	kg	PU
140236	16	0,040	1
140238	20	0,060	1
140240	25	0,090	1
140242	32	0,120	1
140244	40	0,150	1
140246	50	0,230	1
140248	63	0,600	1

Adjustable tap wrenches

short pattern



Art. no.	thread	tap wrench	kg	PU
140180	M 7-25	21	0,850	1
140182	M 32-63	48	1,900	1

Nipple threading dies

with guide, replaceable dies and taps



Art. no.	thread	kg	PU
140190	M 10	0,100	1
140192	M 13	0,130	1

Nipple threading dies

with guide, replaceable dies and tap



Art. no.	thread	kg	PU
140210	M 10, M 13	0,220	1

Complete stocks, metric thread



Art. no.	thread	kg	PU
140214	M 16, M 20, M 25	1,000	1
140216	M 20, M 25	1,350	1
140220	M 50, M 63	3,500	1
140218	M 32, M 40	2,850	1

Dies, metric thread



Art. no.	thread	kg	PU
140222	M 16	0,175	1
140224	M 20	0,165	1
140226	M 25	0,145	1
140228	M 32	0,130	1
140230	M 40	0,130	1
140232	M 50	0,125	1
140234	M 63	0,170	1

Guides, metric



Art. no.	thread	kg	PU
140250	M 16	0,050	1
140252	M 20	0,040	1
140254	M 25	0,035	1
140256	M 32	0,030	1
140258	M 40	0,030	1
140260	M 50	0,070	1
140262	M 63	0,090	1

Diamond hollow core cutters

Diamond hollow core cutters

Carrier turned from solid material, suitable for soft materials and brickwork, concrete and artificial stone, takes M 16, without receiving shaft and centre drill, laser-welded, use only without impact



Art. no.	Ø	kg	PU
230676	68	0,450	1
230677	82	0,550	1

Diamond hollow core cutters

shank M 16, with tapered cylindrical drill bit, hexagon fitting, laser-welded



Art. no.	Ø	shank	kg	PU
230676/K	68	hexagon	0,640	1
230677/K	82	hexagon	0,740	1

Diamond hollow core cutter special

Diamond drill bit for socket outlets with laser welded segments, suitable for soft materials and brickwork, concrete and artificial stone, optimal rotating speed 800 - 1.000 U/min, maximum rotating speed 1.600 - 1.800 U/min, use only without impact



Art. no.	Ø	shank	kg	PU
230885/K	68	hexagon	0,450	1
230886/K	82	hexagon	0,600	1

Hollow core cutters

for tungsten carbide tipped, with centre bit and hexagon shank, 12 mm



Art. no.	Ø	shank	kg	PU
230661	68	hexagon	0,450	1
230665	82	hexagon	0,600	1
230667	68	conic	0,450	1
230675	82	conic	0,600	1

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Cutting discs

Shank for hollow core cutters

SDS-Plus-shank, M16, connection thread, cylindrical cutter



Art. no.	TL	shank	kg	PU
230681	100	SDS-plus	0,150	1

Shank for hollow core cutters, SDS-Plus

SDS-Plus-shank, conic



Art. no.	TL	shank	kg	PU
230681/K	100	SDS-plus	0,150	1

Shank for hollow core cutters, SW 12

shank M 16, for centre bits, tapered holder, cylindrical cutter



Art. no.	shank	kg	PU
230678	hexagon	0,150	1

Drill for Diamond hollow core cutters

tapered shank



Art. no.	TL	Ø	kg	PU
230679	120	9	0,020	1

Centre bits with tungsten carbide tipped cutting edge

for tungsten carbide tipped hollow core cutters, cylindrical



Art. no.	TL	Ø	kg	PU
230680	120	9	0,020	1

Diamond cutting blades

laser-welded, high diamond concentration, long life, for the professional works
- Industrial quality -



Art. no.	Ø	kg	PU
230689	115	0,100	1
230691	125	0,150	1
230720	135 (FUBAG)	0,200	1
230721	140 (FLEX)	0,250	1
230704	150	0,200	1
230705	180	0,400	1
230706	230	0,700	1
230711	300	1,100	1

Diamond cutting blades

sintered - Profi Quality -



Art. no.	Ø	kg	PU
230701	115	0,100	10
230702	125	0,100	10
230708	180	0,400	1
230709	230	0,700	1

Diamond cutting blades, FL tiles

- Profi Quality -, continuous rim. universal application, granite, tiles, ceramics, stone- and marble-flatters



Art. no.	Ø	kg	PU
230714	115	0,200	1

Diamond cutting blades, TBM Turbo

- Profi quality -



Art. no.	Ø	kg	PU
230722	115	0,200	1
230723	125	0,200	1
230725	230	0,800	1

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
Ø	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
Ø	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

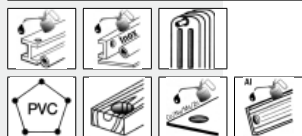
Hollow saws

Hard metal hole saw



Art. no.	Ø/Inch	Ø	kg	PU
231942	3/4	19	0,047	1
231944	7/8	22	0,061	1
231946	1	25	0,075	1
231948	1 1/6	27	0,045	1
231950	1 3/16	30	0,116	1
231952	1 1/4	32	0,120	1
231954	1 3/8	35	0,128	1
231956	1 9/16	40	0,118	1
231958	1 3/4	44	0,148	1
231960	2	51	0,179	1
231962	2 1/8	54	0,197	1
231964	2 3/8	60	0,233	1
231966	2 1/2	64	0,045	1
231968	2 9/16	65	0,273	1
231970	2 11/16	68	0,292	1
231972	2 3/4	70	0,310	1
231973	2 7/8	73	0,330	1
231974	3	76	0,350	1
231976	3 1/8	79	0,390	1
231978	3 1/4	83	0,424	1
231980	4	102	0,586	1
231982	4 1/2	114	0,767	1

Bi-metal hole saws



Art. no.	Ø/Inch	Ø	kg	PU
231900	3/4	19	0,036	1
231902	7/8	22	0,046	1
231904	1	25	0,071	1
231906	1 1/6	27	0,075	1
231908	1 3/16	30	0,079	1
231910	1 1/4	32	0,085	1
231912	1 3/8	35	0,092	1
231914	1 9/16	40	0,085	1
231916	1 3/4	44	0,119	1
231918	2	51	0,130	1
231920	2 1/8	54	0,140	1
231922	2 3/8	60	0,168	1
231924	2 1/2	64	0,045	1
231926	2 9/16	65	0,194	1
231928	2 11/16	68	0,208	1
231930	2 3/4	70	0,224	1
231931	2 7/8	73	0,337	1
231932	3	76	0,253	1
231934	3 1/8	79	0,270	1
231936	3 1/4	83	0,306	1
231938	4	102	0,426	1
231940	4 1/2	114	0,572	1

Adapter for hollow saws

"Snap-out" Holder for hole saws

Snap-out-System

Adapter for bi-metal hole saws 14 - 30 mm



Art. no.	size	type	shank	kg	PU
231990	14-30	Bi-metal	hexagon	0,121	1
231992	32-152	Bi-metal	hexagon	0,221	1
231994	14-30	hard metal	hexagon	0,121	1
231996	32-152	hard metal	hexagon	0,221	1

Drill (loose)

Centre drill - universal - for special holders (for item 23 19 90)

Art. no.	type	Ø	shank	kg	PU
231991	universal	6,35	hexagon	0,057	1
231993	universal	6,35	hexagon	0,081	1
231995	universal	6,35	hexagon	0,067	1
230003	universal	8	hexagon	0,096	1
231997	stone	6,35	hexagon	0,067	1
230004	stone	8	hexagon	0,096	1

Adapter quick lock Bi-metal

hexagon shank



Art. no.	size	kg	PU
231998	14-30	0,097	1
231999	32-152	0,248	1

Carbide tipped hollow saw with border senk D 68

Ø 68 mm, total length 175 mm, multi purpose hole saw for turning operation suitable for plastic, tiles up to hardness 6 and plaster material, set consisting of hole saw D 68, shank SW 11, carbide-tipped centre drill bit, with border senk D 68



Art. no.	Ø	shank	kg	PU
230699	68	hexagon	0,650	1

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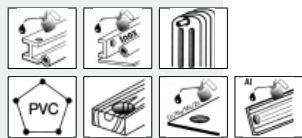
Hollow saw assortment

Bi-metal hole saw assortment

Snap-out-System

Contents: Plastic box black (22 00 29)
 23 19 90 Adapter Bi-metal 14 - 30 mm
 23 19 92 Adapter Bi-metal 32 - 152 mm
 23 19 01 Bi-metal hole saw 20 mm
 23 19 04 Bi-metal hole saw 25 mm
 23 19 10 Bi-metal hole saw 32 mm
 23 19 14 Bi-metal hole saw 40 mm
 23 19 17 Bi-metal hole saw 50 mm
 23 19 24 Bi-metal hole saw 64 mm

- metric -



Art. no.	kg	PU
230005	0,900	1

8-pieces

Hard metal hole saw assortment

Snap-out-System

Contents: Plastic box black (22 00 29)
 23 19 96 Adapter hard metal 32 - 152 mm
 23 19 54 Hard metal hole saw 35 mm
 23 19 64 Hard metal hole saw 60 mm
 23 19 70 Hard metal hole saw 68 mm
 23 19 73 Hard metal hole saw 73 mm
 23 19 78 Hard metal hole saw 83 mm

- Installation -



Art. no.	kg	PU
230007	0,900	1

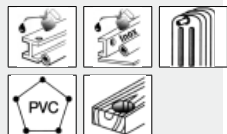
6-pieces

Bi-metal hole saw assortment

Snap-out-System

Contents: Plastic box black (22 00 29)
 23 19 92 Adapter Bi-metal 32 - 152 mm
 23 19 12 Bi-metal hole saw 35 mm
 23 19 22 Bi-metal hole saw 60 mm
 23 19 28 Bi-metal hole saw 68 mm
 23 19 31 Bi-metal hole saw 73 mm
 23 19 36 Bi-metal hole saw 83 mm

- metric -



Art. no.	kg	PU
230008	0,900	1

6-pieces

Measuring tools

Folding rules

with spring joint, mm-graduations on both sides



Art. no.	TL	type	width	kg	PU
240002	2	wood	16	0,120	10
240005	2	fibre glass	16	0,150	10

Measuring tapes

with spring steel tapes, case: plastic, with automatic return motion and locking key, tape with stove-enamel finished



Art. no.	TL	width	kg	PU
240011	3	13	0,122	12
240012	5	16	0,215	12

Measuring tapes

in metal case, with woven rayon tape, strengthened against stretching by 8 bronze wires woven into tape, scale graduations both sides: metres and centimetres



Art. no.	TL	width	kg	PU
240018	20	16	0,500	1
240020	25	16	0,600	1
240022	30	16	0,609	1
240024	50	16	1,050	1

Aluminium spirit levels

bubble level made of acrylic glass, accuracy of measurement: 0,043° = 0,75 mm/m



Art. no.	TL	kg	PU
240041	300	0,320	1
240042	400	0,340	1
240044	600	0,480	1
240046	800	0,530	1
240048	1000	0,620	1

kg	Weight in kg	CW	Cutting width	Cont.	Contents	c-hole	Core hole	Sbl.	Saw blade length
∅	Cross-section mm	L	Length in mm	BL	Blade length	Mat.	Material	Drive	Drive
TL	Total length	W	Width in mm	mm ²	Diameter in mm ²	TMA	Tested/Measured area	Col.	Colour
∅	Cross-section mm	D	Depth in mm	St.	Strength	WS	Wrench size	PU	Packing unit/piece

Measuring tools

Electrician's safety levels

nonconducting plastic material, with 2 tubes horizontal and vertical



Art. no.	TL	kg	PU
240057	400	0,190	1
240058	600	0,255	1

Cabinet levels

Torped type, nonconducting plastic material, with 3 tubes horizontal, vertical and 45°



Art. no.	TL	kg	PU
240059	250	0,100	1

Torped-level

with 3 tubes horizontal, vertical and 45°



Art. no.	TL	kg	PU
240060	225	0,300	1

Precision pocket vernier calipers „Stainless“

manufactured from stainless steel, completely hardened, with measuring nibs, depth gauge and thread tables, in plastic wallet, 1/20" or 1/128 mm, size 140 mm



Art. no.	kg	PU
240071	0,150	1

Precision pocket vernier calipers „digital“

manufactured from stainless steel, completely hardened, with measuring nibs, depth gauge and thread tables, in plastic box with sight window, 1/20" or 1/128 mm, size 140 mm



Art. no.	kg	PU
240073	0,15	1

Engineers' squares

manufactured from steel, bright



Art. no.	TL	width	kg	PU
240132	150x100	20	0,170	1
240134	200x130	20	0,235	1
240136	250x160	25	0,370	1
240138	300x180	25	0,590	1

Engineers' squares

manufactured from steel, bright



Art. no.	TL	width	kg	PU
240152	150x100	20	0,170	1
240154	200x130	20	0,235	1
240156	250x160	25	0,370	1
240158	300x180	25	0,440	1
240160	400x230	30	0,680	1

Steel point scribers

knurled handle, replaceable screw-out hardened points, handle with one straight and one bent point (90°)



Art. no.	TL	kg	PU
240234	250	0,050	1

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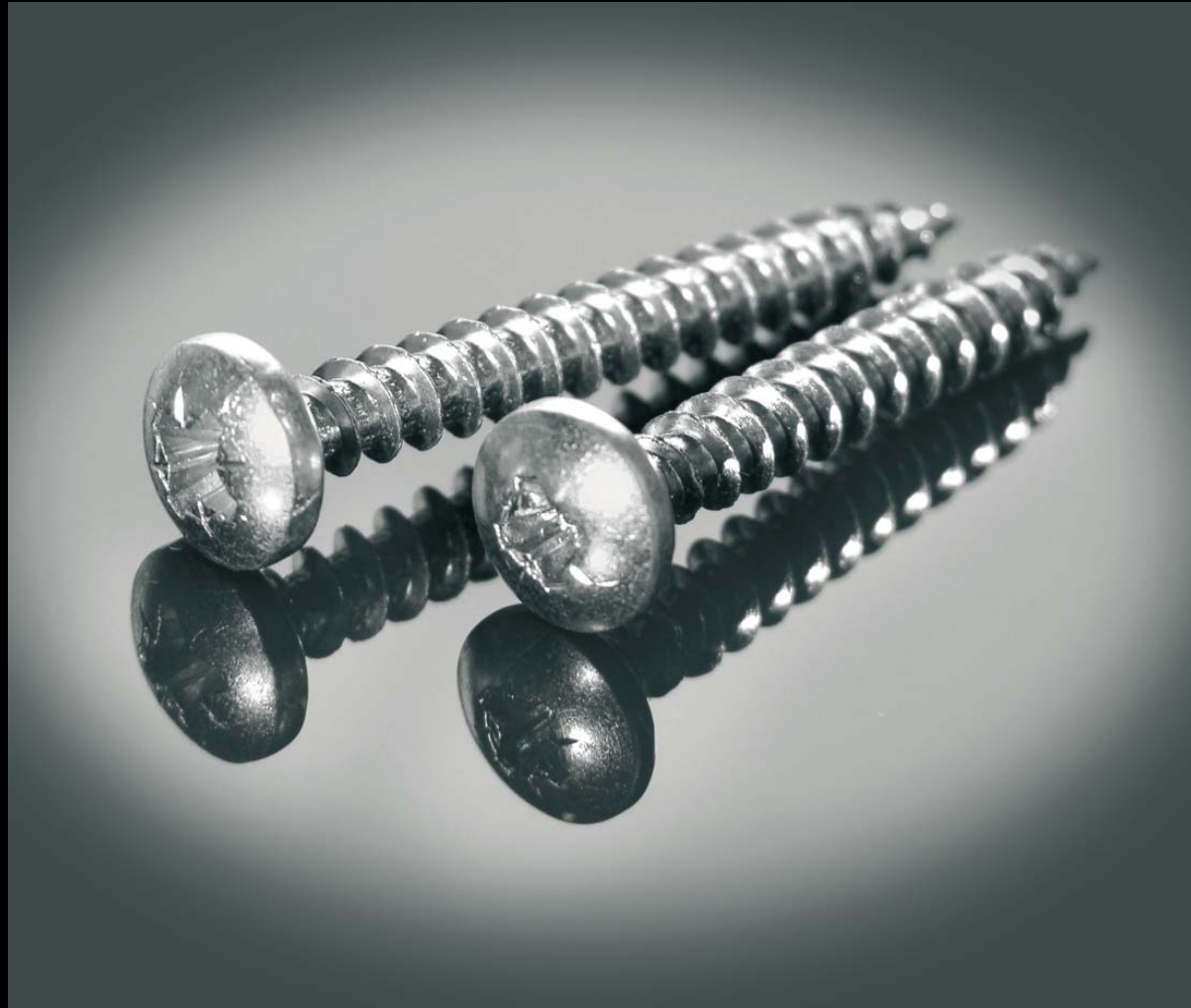
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Standard program

Screws



Screws

Universal countersunk screw



Fibreboard screws, galvanised, countersunk Pozidriv

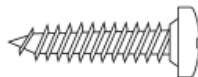


Art. no.	TL	Ø		kg	PU
790015	20	3,5	Pozidriv PZ 2	0,001	200
790016	25	3,5	Pozidriv PZ 2	0,001	200
790017	30	3,5	Pozidriv PZ 2	0,002	200
790018	35	3,5	Pozidriv PZ 2	0,002	200
790079	40	3,5	Pozidriv PZ 2	0,002	200
790027	30	4,0	Pozidriv PZ 2	0,002	200
790029	40	4,0	Pozidriv PZ 2	0,002	200
790030	45	4,0	Pozidriv PZ 2	0,003	200
790031	50	4,0	Pozidriv PZ 2	0,003	200
790040	35	4,5	Pozidriv PZ 2	0,003	200
790041	40	4,5	Pozidriv PZ 2	0,003	200
790043	50	4,5	Pozidriv PZ 2	0,004	200
790051	30	5,0	Pozidriv PZ 2	0,003	100
790053	40	5,0	Pozidriv PZ 2	0,003	100
790054	50	5,0	Pozidriv PZ 2	0,005	100
790055	60	5,0	Pozidriv PZ 2	0,005	100
790056	80	5,0	Pozidriv PZ 2	0,007	100
790063	50	6,0	Pozidriv PZ 3	0,007	100
790064	60	6,0	Pozidriv PZ 3	0,008	50
790065	80	6,0	Pozidriv PZ 3	0,011	50

Universal pan head screw



Fibreboard screws, galvanised, pan head Pozidriv



Art. no.	TL	Ø		kg	PU
790091	30	3,5	Pozidriv PZ 2	0,002	200
790093	40	3,5	Pozidriv PZ 2	0,002	200
790100	30	4,0	Pozidriv PZ 2	0,002	200
790101	35	4,0	Pozidriv PZ 2	0,002	200
790102	40	4,0	Pozidriv PZ 2	0,003	200
790103	45	4,0	Pozidriv PZ 2	0,003	200
790104	50	4,0	Pozidriv PZ 2	0,003	200
790111	40	4,5	Pozidriv PZ 2	0,004	200
790112	45	4,5	Pozidriv PZ 2	0,004	200
790113	50	4,5	Pozidriv PZ 2	0,004	200
790118	30	5,0	Pozidriv PZ 2	0,004	200
790120	40	5,0	Pozidriv PZ 2	0,005	200
790121	50	5,0	Pozidriv PZ 2	0,005	200

Hexagonal wood screws



in accordance with DIN 571, galvanised, general requirements according to DIN 267 Part 1



Art. no.	TL	Ø	WS		kg	PU
790210	40	6	10	hexagonal	0,008	50
790211	60	6	10	hexagonal	0,011	25
790212	80	6	10	hexagonal	0,014	25
790222	50	8	13	hexagonal	0,017	50
790223	60	8	13	hexagonal	0,020	25
790224	80	8	13	hexagonal	0,026	25
790225	100	8	13	hexagonal	0,032	25
790235	60	10	17	hexagonal	0,033	10
790236	80	10	17	hexagonal	0,043	10
790237	100	10	17	hexagonal	0,049	10

Plate screw DIN 7504



in accordance with DIN 7504M (formerly N), self-tapping, hardened steel, galvanised, pan head with Phillips slot, plate screw thread according to DIN 7970

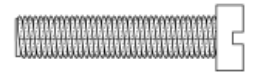


Art. no.	TL	Ø		kg	PU
790411	13	3,5	Phillips PH 2	0,001	200
790413	19	3,5	Phillips PH 2	0,001	200
790416	13	3,9	Phillips PH 2	0,001	200
790417	16	3,9	Phillips PH 2	0,002	200
790419	25	3,9	Phillips PH 2	0,002	200
790422	13	4,2	Phillips PH 2	0,001	200
790423	16	4,2	Phillips PH 2	0,002	200
790424	19	4,2	Phillips PH 2	0,002	200
790432	13	4,8	Phillips PH 2	0,002	200
790433	16	4,8	Phillips PH 2	0,002	200
790434	19	4,8	Phillips PH 2	0,003	200
790436	25	4,8	Phillips PH 2	0,003	200

Cylinder screw DIN 84 Form A



in accordance with ISO 1207, EN 21207 or DIN 84, Form A, with slit, made of hardened steel, galvanised, 4.8 quality



Art. no.	TL	Ø		kg	PU
790806	16	M3	slot 5,5x0,8	0,001	200
790808	20	M3	slot 5,5x0,8	0,001	200
790832	16	M4	slot 7,0x1,2	0,002	200
790834	20	M4	slot 7,0x1,2	0,002	200
790837	30	M4	slot 7,0x1,2	0,003	200
790862	16	M5	slot 8,5x1,2	0,003	200
790864	20	M5	slot 8,5x1,2	0,004	200
790867	30	M5	slot 8,5x1,2	0,005	200
790882	16	M6	slot 10,0x1,6	0,005	200
790884	20	M6	slot 10,0x1,6	0,005	200
790888	30	M6	slot 10,0x1,6	0,007	200

Hexagonal nut DIN 934



in accordance with ISO 4032, EN 24032 or DIN 934, steel galvanised, 8 quality



Art. no.	Ø	WS	kg	PU
792000	M3	5,5	0,000	200
792001	M4	7	0,001	200
792002	M5	8	0,001	200
792003	M6	10	0,002	200
792005	M8	13	0,005	200
792006	M10	17	0,010	200

Washers DIN 125

in accordance with ISO 7089, EN 27089 or DIN 125, Form A without chamfer, steel galvanised



Art. no.	M	d1	d4	kg	PU
792600	M3	3,2	7	0,000	200
792602	M4	4,3	9	0,000	200
792603	M5	5,3	10	0,000	200
792604	M6	6,4	12	0,001	200
792606	M8	8,4	16	0,002	200
792607	M10	10,5	20	0,003	200

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