



Type CrimmBoss (Crimping tool for cable end sleeves)



PRODUCT INFORMATION

Electromagnetic tool for crimping insulated cable end sleeves complete with accessories. A control unit for reducing the crimping force is available on request.

- The CrimmBoss CB2 crimping process is only activated by the mechanical contactor when the cable end sleeves have been completely and correctly inserted.
- Contact tongue, small, for diameter range 0.14 - 1.0 mm² (0.01 - 0.04 in.²)
- Contact tongue, large, for diameter range 0.5 2.5 mm² (0.02 0.10 in.²)
- Contact tongues are included with the supply

Туре	Part number	Pack qty.
CrimmBoss CB2	87661022	1.00
CrimmBoss CB2 110V	87661023	1.00
Replacement part		
Contact tongue, large	87980007	1.00
Contact tongue, small	87980006	1.00



Type BNW (riveting tool)



PRODUCT INFORMATION

Only this tool brings out the full economical effect of the BN fixing rivet. The tools are matched to the size of the rivets.

For type BN fixing rivets, see "Accessories" chapter.

Туре	Part number	For blind rivet type	Pack qty.
BNW 1	87641010	BN 1	1.00
BNW 2	87641012	BN 2	1.00
BNW 3	87641014	BN 3	1.00



Pack

Type KS (Cable shears)



PRODUCT INFORMATION

Type

Sturdy cable shears KS1. Suitable for removing cable sheathing and braided shields. EW-PAP cable protection conduit with metal braiding can be processed with these shears.

Part number

			inch	qty.
	KS 1	87661016	6.89	1.00
	With adjustable internal I	blade		
232				

Approx. length



Type KM (Cable stripping knife)



PRODUCT INFORMATION

Special cable stripping knife KM for stripping of wiring.

Туре	Part number	Approx. length inch	Pack qty.
KM	87661018	6.69	1.00

Type KBW / KKBW (Cable tie tools for plastic cable ties)





PRODUCT INFORMATION

Cable tie tool KBM and KKBW for mounting of plastic cable ties.

- KBW 1K with adjustable automated cutting mechanism, plastic casing, automated metal cutting mechanism
- KKBW is full metal with manual cutting mechanism

Туре	Part number	Approx. length inch	Pack qty.
For plastic cable	e ties		
KBW 1K	87661012	6.69	1.00
With adjustable a	utomatic cutting device		
Suitable for cable	ties of up to 6 mm (0.24 in.) wide		
For plastic cable	e ties type KKB		
KKBW	87669094	7.48	1.00
Ties with manual	cutting mechanism		
Cable tie tool suit	table for plastic cable ties KKB 28 / KB 110.		
Also suitable for p	plastic cable ties up to 8 mm (0.31 in.) wide		



Type KBW/M (Cable tie tool for metal cable ties)



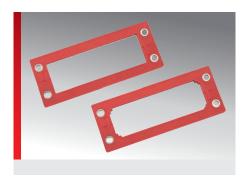
PRODUCT INFORMATION

Cable tie tool KBW/ adjusted to metal cable ties, type KBM. With manual cutting mechanism. Robust metal tool.

Туре	Part number	Approx. length inch	Pack qty.
For metal cable ties			
KBW/M	87669090	7.48	1.00
Cable tie tool suitable for cable t	tie KBM.		
Ties with manual cutting mecha	nism		



Type MMH (magnetic assembly tool)



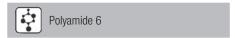
PRODUCT INFORMATION

Туре

The magnetic mounting aid is used to hold the lock nuts on the control cabinet during installation.

This helps to install all 24-pole cable entries quickly and easily and from just one side of the control cabinet.

SPECIFICATIONS



Pack

		qty.
Without centering aid		
MMH	87661002	1.00
With centering aid		
MMH-Z	87661006	1.00

Part number



Hydraulic manual punch, type SW-HG



PRODUCT INFORMATION

Practical manual punch without additional conduit and cylinder, ideal for workshop and assembly.

Hydraulic punch made of high-strength

- aluminumOverload protection via overpressure valve
- Ergonomic handle, springs back automatically

SPECIFICATIONS



Туре	Part number	Weight lb. / piece	Punching force kN	Operating pressure psi	Pack qty.
Compact hydraulic manual punch, straight					
SW-HG hydraulic manual punch	87801010	6.48	75.00	9427.45	1.00

consisting of:

1 pce. compact hydraulic manual punch

1 each tension bolt version A

1 pce. tension bolt version A

1 pce. spacer bushing set (3-parts)

1 pce. tap drill 11.0 mm (0.43 in.)

1 pce. transport case

Punching performance, round hole perforator:

2.0 mm (0.08 in.) sheet steel (St37) max. Ø 84 mm (3.31 in.)

3.0 mm (0.12 in.) sheet steel (St37) max. Ø 64 mm (2.52 in.)

2.0 mm (0.08 in.) stainless steel (V2A) max. Ø 84 mm (3.31 in.)

Punching performance, square hole perforator:

2.0 mm (0.08 in.) sheet steel (St37) max. 36 x 112 mm (1.42 x 4.41 in.)

Spare part see chapter "spare part for punching tool"



Hydraulic manual punch, type SW-HW





PRODUCT INFORMATION

Practical manual punch without additional conduit and cylinder, ideal for workshop and assembly.

- Hydraulic punch made of high-strength aluminum
- Overload protection via overpressure valve

Ergonomic handle, springs back automatiactive

 The angle head can be pivoted 360° for better handling.

SPECIFICATIONS



Туре	Part number	Weight lb. / piece	Punching force kN	Operating pressure psi	Pack qty.
Compact hydraulic manual punch with pivoting hea	d				
SW-HW hydraulic manual angled punch	87801012	7.28	75.00	9427.45	1.00

consisting of:

1 pce. compact hydraulic manual punch

1 each tension bolt version A

1 pce. tension bolt version A

1 pce. spacer bushing set (3-parts)

1 pce. tap drill 11.0 mm (0.43 in.)

1 pce. transport case

Punching performance, round hole perforator:

2.0 mm (0.08 in.) sheet steel (St37) max. Ø 84 mm (3.31 in.)

3.0 mm (0.12 in.) sheet steel (St37) max. Ø 64 mm (2.52 in.)

2.0 mm (0.08 in.) stainless steel (V2A) max. Ø 84 mm (3.31 in.)

Punching performance, square hole perforator:

2.0 mm (0.08 in.) sheet steel (St37) max. 36 x 112 mm (1.42 x 4.41 in.)

Spare part see chapter "spare part for punching tool"



Hydraulic punch with foot pump, type SW-HF



PRODUCT INFORMATION

Practical hydraulic punch with foot pump; ideal for use in the workshop.

The foot pump does not require use of the hands, leaving both hands free for exact positioning and punching at the control cabinet. The support frame of the foot pump is splayed. This provides for stable, anti-tip working.

- Overload protection via installed pump safety valve
- Better punching performance than with a manual punch
- For larger punching tools

SPECIFICATIONS



Туре	Part number	Weight lb. / piece	Punching force kN	Operating pressure psi	Pack qty.
Hydraulic punch with foot pump					
SW-HF hydraulic punch with foot pump	87801014	30.69	100.00	10152.64	1.00

consisting of:

1 pce. hydraulic cylinder with quick coupling

1 pce. hydraulic conduit 2.8 m (9.19 ft)

1 each tension bolt version A

1 pce. tension bolt version A

1 pce. spacer bushing set (5-parts)

1 pce. tap drill 11.0 mm (0.43 in.)

1 pce. sheet steel transport case

Punching performance, round hole perforator:

2.0 mm (0.08 in.) sheet steel (St37) max. Ø 150 mm (5.91 in.)

3.0 mm (0.12 in.) sheet steel (St37) max. Ø 100 mm (3.94 in.)

2.0 mm (0.08 in.) stainless steel (V2A) max. Ø 100 mm (3.94 in.)

Punching performance for square hole punch:

2.0 mm sheet steel (St37) max. 138 x 138 mm (5.43 x 5.43 in.)

2.0 mm stainless steel sheet (V2A) max. 92 x 92 mm (3.62 x 3.62 in.)

Spare part see chapter "spare part for punching tool"



Punching tools, type SW-WR (rectangular)



PRODUCT INFORMATION

Several punching tools for the creation of square or rectangular cut-outs. These hole punches are delivered a plastic transport case. Also ideal for mounting use. Corresponding tension bolt is included in the delivery. The attachment points for the screw holes can be punch-marked during the punching process.

SPECIFICATIONS



Steel



Туре	Part number	Punching inch	Cut-out for	Suited for Hydraulic punch SW-HG (HW) / SW-HF	Pack qty.
Hole puncher (rectang	ular) for sheet ste	el with centering	tips		
SW-WR 17.0x19.0 ¹⁾	87801330	0.67 x 0.75		• / •	1.00
SW-WR 21.8x25.8 ¹⁾	87801332	0.86 x 1.02		• / •	1.00
SW-WR 22.0x30.0 ¹⁾	87801334	0.87 x 1.18		• / •	1.00
SW-WR 22.0x42.0 ¹⁾	87801336	0.87 x 1.65		• / •	1.00
SW-WR 23.0x57.0 ¹⁾	87801339	0.91 x 2.24		• / •	1.00
SW-WR 25.0x30.0 ¹⁾	87801340	0.98 x 1.97		• / •	1.00
SW-WR 36.0x52.0 ¹⁾	87801350	36.0 x 2.05	heavy-duty plug-and-socket connector 6-pole	• / •	1.00
SW-WR 36.0x46.0 ¹⁾	87801358	1.42 x 1.81	KDL/C & KDL/D 6	• / •	1.00
SW-WR 36.0x65.0 ¹⁾	87801352	1.42 x 2.56		• / •	1.00
SW-WR 45.0x92.0 ¹⁾	87801342	1.77 x 3.62		• / •	1.00
SW-WR 46.0x112.0 ¹⁾	87801356	1.81 x 4.41		-/•	1.00
SW-WR 46.0x86.0 ¹⁾	87801354	1.81 x 3.39		• / •	1.00
SW-WR 46.0x92.0 ¹⁾	87801344	1.81 x 3.62		• / •	1.00
SW-WR 68.0x138.0 ²⁾	87801346	2.68 x 5.43		-/•	1.00
SW-WR 82.0x132.0 ²⁾	87801382	3.23 x 5.2		-/•	1.00
SW-WR 86.0x36.0 ¹⁾	87801292	3.39 x 1.42		• / •	1.00
SW-WR 91.0x36.0 ¹⁾	87801294	3.58 x 1.42		• / •	1.00
SW-WR 112.0x36.0 ¹⁾	87801290	4.41 x 1.42		• / •	1.00

 $^{^{2)}}$ suitable for sheet steel <= 3 mm (0.12 in)



Punching tools, type SW-WQ



PRODUCT INFORMATION

Several punching tools for the creation of square or rectangular cut-outs. These hole punches are delivered a plastic transport case. Also ideal for mounting use. Corresponding tension bolt is included in the delivery. The attachment points for the screw holes can be punch-marked during the punching process.

SPECIFICATIONS



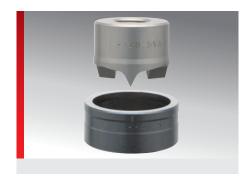
Steel



Туре	Part number	Punching inch	Suited for Hydraulic punch SW-HG (HW) / SW-HF	Pack qty.
Hole perforator (rectangular) for	sheet steel with centering tips			
SW-WQ 12.7x12.7 ¹⁾	87801300	0.5 x 0.5	• / •	1.00
SW-WQ 15.8x15.8 ¹⁾	87801302	0.62 x 0.62	• / •	1.00
SW-WQ 19.0x19.0 ¹⁾	87801304	0.75 x 0.75	• / •	1.00
SW-WQ 22.2x22.2 ¹⁾	87801306	0.87 x 0.87	• / •	1.00
SW-WQ 24.0x24.0 ¹⁾	87801308	0.94 x 0.94	• / •	1.00
SW-WQ 25.4x25.4 ¹⁾	87801310	1.0 x 1.0	• / •	1.00
SW-WQ 45.8x15.8 ¹⁾	87801312	1.79 x 1.79	• / •	1.00
SW-WQ 46.0x46.0 ¹⁾	87801314	1.81 x 1.81	• / •	1.00
SW-WQ 50.8x50.8 ¹⁾	87801316	2.0 x 2.0	• / •	1.00
SW-WQ 68.0x68.0 ¹⁾	87801318	2.68 x 2.68	• / •	1.00
SW-WQ 92.0x92.0 ¹⁾	87801320	3.62 x 3.62	- / •	1.00
SW-WQ 125.0x125.0 ¹⁾	87801322	4.92 x 4.92	- / •	1.00
SW-WQ 138.0x138.0 ¹⁾	87801324	5.43 x 5.43	-/•	1.00
1) suitable for sheet steel <= 2 mm	(0.12 in)			



Punching tools, type SW-WE





PRODUCT INFORMATION

Round hole punch, individual tools for steel or stainless steel plates. Versions for punching holes in metric or Pg threaded connections.

- Metric sizes from M16 to M63
- Pg sizes from Pg9 to Pg48

SPECIFICATIONS



Steel



Туре	Part number	Dimension	Punching inch	Cut-out for	Suited for Hydraulic punch SW-HG (HW) / SW-HF	Pack qty.
Hole perforator (round)	for steel sheets					
SW-WE-NS M16 ¹⁾	87801210	M16	0.64		• / •	1.00
SW-WE-NS M20 ¹⁾	87801212	M20	0.80		• / •	1.00
SW-WE-NS M25 ¹⁾	87801214	M25	1.00		• / •	1.00
SW-WE-NS M32 ²⁾	87801216	M32	1.28		• / •	1.00
SW-WE-NS M40 ²⁾	87801218	M40	1.59		• / •	1.00
SW-WE-NS M50 ²⁾	87801220	M50	1.99	KDP/R M50/x	• / •	1.00
SW-WE-NS M63 ²⁾	87801222	M63	2.50	KDP/R M63/x	• / •	1.00
SW-WE-NS Pg09 ¹⁾	87801238	Pg09	0.60		• / •	1.00
SW-WE-NS Pg11 ¹⁾	87801240	Pg11	0.73		• / •	1.00
SW-WE-NS Pg13 ¹⁾	87801242	Pg13	0.80		• / •	1.00
SW-WE-NS Pg16 ¹⁾	87801244	Pg16	0.89		• / •	1.00
SW-WE-NS Pg21 ¹⁾	87801246	Pg21	1.11		• / •	1.00
SW-WE-NS Pg29 ²⁾	87801248	Pg29	1.46		• / •	1.00
SW-WE-NS Pg36 ²⁾	87801250	Pg36	1.85		• / •	1.00
SW-WE-NS Pg42 ²⁾	87801252	Pg42	2.13		• / •	1.00
SW-WE-NS Pg48 ²⁾	87801254	Pg48	2.36		• / •	1.00
Hole perforator (round)	for Steel and stainless	steel sheets				
SW-WE-VA M16 ³⁾	87801224	M16	0.64		• / •	1.00
SW-WE-VA M20 ³⁾	87801226	M20	0.80		• / •	1.00
SW-WE-VA M25 ³⁾	87801228	M25	1.00		• / •	1.00
SW-WE-VA M324)	87801230	M32	1.28		• / •	1.00
SW-WE-VA M40 ⁴⁾	87801232	M40	1.59		• / •	1.00



Punching tools, type SW-WE (Continued...)

Туре	Part number	Dimension	Punching inch	Cut-out for	Suited for Hydraulic punch SW-HG (HW) / SW-HF	Pack qty.
SW-WE-VA M50 ⁴⁾	87801234	M50	1.99	KDP/R M50/x	• / •	1.00
SW-WE-VA M63 ⁴⁾	87801236	M63	2.50	KDP/R M63/x	• / •	1.00
SW-WE-VA Pg09 ³⁾	87801256	Pg09	0.60		• / •	1.00
SW-WE-VA Pg11 ³⁾	87801258	Pg11	0.73		• / •	1.00
SW-WE-VA Pg13 ³⁾	87801260	Pg13	0.80		• / •	1.00
SW-WE-VA Pg16 ³⁾	87801262	Pg16	0.89		• / •	1.00
SW-WE-VA Pg21 ⁴⁾	87801264	Pg21	1.11		• / •	1.00
SW-WE-VA Pg29 ⁴⁾	87801266	Pg29	1.46		•/•	1.00
SW-WE-VA Pg36 ⁴⁾	87801268	Pg36	1.85		• / •	1.00
SW-WE-VA Pg42 ⁴⁾	87801270	Pg42	2.13		•/•	1.00
SW-WE-VA Pg48 ⁴⁾	87801272	Pg48	2.36		• / •	1.00

 $^{^{1)}}$ suitable for sheet steel <= 2 mm (0.12 in)

 $^{^{2)}}$ suitable for sheet steel <= 3 mm (0.12 in)

 $^{^{3)}}$ suitable for steel and stainless steel sheets <= 2 mm (0.08 in)

 $^{^{\}mbox{\tiny 4)}}$ suitable for steel and stainless steel sheets <=2.5 mm (0.08 in)



Punching tools, type SW-WS





PRODUCT INFORMATION

Round hole punch sets from M16 to M40 or to M63 and from PG9 to PG48. For steel or stainless steel plates. Punching tools are Also ideal for assembly employment use.

SPECIFICATIONS



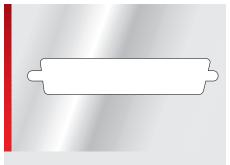


Туре	Part number	Pack qty.			
Sheet metal perforator set for sheet stee					
SW-WS-NS PG9-PG48	87801278	1.00			
Consisting of: each. 1 ea PG9, PG11, PG13,	PG16, PG21, PG29, PG36, PG42, PG48, transport case				
SW-WS-NS M16-M40	87801280	1.00			
Consisting of: each. 1 ea M16, M20, M25, N	132, M40, transport case				
SW-WS-NS M16-M63	87801282	1.00			
Consisting of: each. 1 ea M16, M20, M25, N	132, M40, M50, M63, transport case				
Sheet metal perforator set for stainless s	cheet steel				
SW-WS-VA M16-M40	87801284	1.00			
Consisting of: each. 1 ea M16, M20, M25, N	132, M40, transport case				
SW-WS-VA M16-M63	87801286	1.00			
Consisting of: each. 1 ea M16, M20, M25, M32, M40, M50, M63, transport case					



Punching tools, type SW-WD







PRODUCT INFORMATION

Punching tool for creation of SUB-MIN-D connector cut-outs (9 to 50 poles). Simple and quick creation of these cut-outs, e.g. for connection of data transmission cables. Corresponding tension bolt is included in the delivery.

SPECIFICATIONS



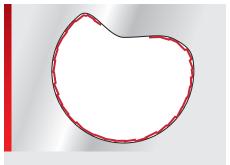


Туре	Part number	Punching for	Pack qty.
Hole perforator for SUB-MIN-D	connector		
SW-WD 9-pole ¹⁾	87801360	SUB-MIN-D 9-pole	1.00
SW-WD 15-pole ¹⁾	87801362	SUB-MIN-D 15-pole	1.00
SW-WD 25-pole ²⁾	87801364	SUB-MIN-D 25-pole	1.00
SW-WD 37-pole ²⁾	87801366	SUB-MIN-D 37-pole	1.00
SW-WD 50-pole ²⁾	87801368	SUB-MIN-D 50-pole	1.00
1) quitable for about steel <- 2 m	m /0.12 in)		
1) suitable for sheet steel <= 2 m			
²⁾ suitable for sheet steel <= 1.65) IIIII (U.U6 III)		



Punching tools, type SW-ASN





PRODUCT INFORMATION

Universal punching tool for creation of various cut-out sizes and shapes. Tools with hole punch width 15 and 20 mm (0.59 and 0.79 in.).

SPECIFICATIONS





Туре	Part number	Hole punch width inch	Hole punch length inch	Hole diameter inch	Pack qty.
Special ASN nibbli	ng tool				
SW-ASN 15 ¹⁾	87801370	0.59	0.26	0.85	1.00
SW-ASN 201)	87801372	0.79	0.35	1.12	1.00

 $^{1)}$ suitable for sheet steel \leq 2 mm (0.12 in)



Spare Parts List for punching tools

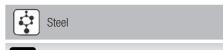




PRODUCT INFORMATION

Spare parts for the entire punching tool system.

SPECIFICATIONS





Туре	Part number	Length inch	Pilot hole inch	Pack qty.
Tensioning screw				
SW-WE-ZS Type A	87801410	3.94	0.39	1.00
SW-WE-ZS Type B	87801412	3.94	0.45	1.00
SW-WE-ZS Type C	87801414	4.72	0.79	1.00
SW-WE-ZS Type D	87801416	6.50	0.94	1.00
SW-WE-ZS Type E	87801434	6.81	1.18	1.00
SW-WE-ZS Type F	87801436	5.55	0.79	1.00
SW-WE-ZS Type G	87801438	4.17	0.55	1.00
SW-WE-ZS Type H	87801440	3.43	0.39	1.00
SW-WE-ZS Type K	87801442	4.17	0.67	1.00
SW-WE-ZS Type L	87801444	3.43	0.39	1.00
Spacer bushing set				
SW-WS-DS 3-pce.	87801430			1.00
SW-WS-DS 5-pce.	87801432			1.00
Pre-drill				
SW-WE-VB 10.0 mm (0.39 in.)	87801420			1.00
SW-WE-VB 11.0 mm (0.43 in.)	87801422			1.00
SW-WE-VB 11.5 mm (0.45 in.)	87801424			1.00
Replacement stamp for special nibbling too				
SW-ASN 15 stamp	87801374			1.00
SW-ASN 20 stamp	87801376			1.00