



# Punching tools



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All information concerning the chemical and physical characteristics of our products and our advice regarding technical applications are given to the best of our knowledge.

It does not exempt the purchaser from the duty to carry out inspections and tests to determine the exact suitability of the products for the intended use.

The purchaser is solely liable for the application, use, and installation of the products. He must also comply with the legal and official provisions, and observe any industrial property rights of third parties. Our General Terms and Conditions shall apply.

Technical alterations reserved.

# Tools

## Punching tools and accessories



### Our philosophy: Everything from one source

#### Punching tools designed to meet your needs

For years, Murrplastik Systemtechnik has been developing easy-to-assemble, maintenance-free connection systems for the routing of lines and cables.

Thanks to our practical punching tools, you now have the option of quickly and easily realising the appropriate control cabinet cut-outs for our conduit and cable fittings, cable entry plates (KDP) and cable entry systems (KDL).

You can choose between three different hydraulic punches and a wide range of punching tools.

Punching tools are available for sheet steel and for stainless steel applications.

#### Advantages:

- Compact design
- For workshop and assembly
- Long service life
- Easy handling
- Compatible with many other systems
- Round and square hole perforators

## Hydraulic manual punch, types SW-HG and SW-HW



SW-HG

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

- Hydraulic punch made of high-strength aluminium
- Overload protection via overpressure valve
- Ergonomic handle, springs back automatically

SW-HW version:

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



SW-HW

Type	Order no.	Weight kg	Punching force kN	Operating pressure bar	Pack
<b>Compact hydraulic manual punch, straight</b>					
SW-HG hydraulic manual punch	87801010	1.6	75	650	1
<b>Compact hydraulic manual punch with pivotable head</b>					
SW-HW hydraulic manual angle punch	87801012	1.9	75	650	1
consisting of:					
1 compact hydraulic manual punch					
3 tension bolts Ø 9.5 x 19.0 mm; Ø 11.1 x 19.0 mm; Ø 19.0 x 19.0 mm					
1 spacer bushing set (3-pce.)					
1 tap-size drill 11.0 mm					
1 transport case					
Punching performance, round hole perforator:					
to Ø 85 mm max. 2.0 mm sheet steel; to Ø 64 mm max. 3.0 mm sheet steel or max. 2.0 mm stainless sheet steel					
Punching performance, square hole perforator:					
112 x 36 mm/91 x 36 mm/86 x 36 mm to max. 2.0 mm sheet steel					
<b>Replacement parts</b>					
SW-WE-ZS 9.5 x 19.0 mm tension bolt	87801410				1
SW-WE-ZS 11.1 x 19.0 mm tension bolt	87801412				1
SW-WE-ZS 19.0 x 19.0 mm tension bolt	87801214				1
SW-WS-DS 3-pce. spacer bushing set	87801430				1
SW-WE-VB 10.0 mm tap-size drill	87801420				1
SW-WE-VB 11.0 mm tap-size drill	87801422				1
SW-WE-VB 11.5 mm tap-size drill	87801424				1

# Tools

## Hydraulic punch with foot pump, type SW-HF



SW-HF

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, tip-proof working. Overload protection via installed pump safety valve.

Type	Order no.	Weight kg	Punching force kN	Operating pressure bar	Pack
<b>Hydraulic punch with foot pump</b>					
SW-HF hydraulic punch with foot pump	87801014	13.9	100	700	1
consisting of:					
1 hydraulic cylinder with quick coupling					
1 hydraulic hose, 2.8 m					
3 tension bolts 9.5 x 19.0 mm; 11.1 x 19.0 mm; 19.0 x 19.0 mm					
1 spacer bushing set (5-pce.)					
1 tap-size drill 11.0 mm					
1 sheet steel transport case					
Punching performance, round hole perforator:					
to Ø 85 mm max. 2.0 mm sheet steel; to Ø 64 mm max. 3.0 mm sheet steel or max. 2.0 mm stainless sheet steel					
Punching performance, square hole perforator:					
112 x 36 mm/91 x 36 mm/86 x 36 mm to max. 2.0 mm sheet steel					
<b>Replacement parts</b>					
SW-WE-ZS 9.5 x 19.0 mm tension bolt	87801410				1
SW-WE-ZS 11.1 x 19.0 mm tension bolt	87801412				1
SW-WE-ZS 19.0 x 19.0 mm tension bolt	87801214				1
SW-WS-DS 5-pce. spacer bushing set	87801432				1
SW-WE-VB 10.0 mm tap-size drill	87801420				1
SW-WE-VB 11.0 mm tap-size drill	87801422				1
SW-WE-VB 11.5 mm tap-size drill	87801424				1

## Punching tools, type SW-WS; SW-WE; SW-WR



SW-WR...

Punching tools for round and square cut-outs made of high-strength steel.

Supplementary sets for sheet steel and in reinforced version for sheet steel and stainless sheet steel.

Square hole perforator for cable entry systems (type KDL...) and for 16- or 24-pin connectors (e.g. Harting/Wieland) and cable entry plates (type KDP 24...). During punching, the fixing holes are marked with centre points, thus making it easy to drill the holes.



SW-WS-... M16-M40



SW-WS-... M16-M63



SW-WE...

Type	Order no.	Dimension	Suitable for	Fitting hydraulic screw	Pack
<b>Sheet metal perforator set for sheet steel</b>					
SW-WS-NS M16-M40	87801280		Sheet steel		1
consisting of:					
1 each M16; M20; M25; M32; M40; transport case					
<b>Sheet metal perforator set for sheet steel</b>					
SW-WS-NS M16-M63	87801282		Sheet steel		1
consisting of:					
1 each M16; M20; M25; M32; M40; M50; M63; transport case					
<b>Sheet metal perforator set for stainless sheet steel</b>					
SW-WS-VA M16-M40	87801284		Sheet steel and stainless sheet steel		1
consisting of:					
1 each M16; M20; M25; M32; M40; transport case					
<b>Sheet metal perforator set for stainless sheet steel</b>					
SW-WS-VA M16-M63	87801286		Sheet steel and stainless sheet steel		1
consisting of:					
1 each M16; M20; M25; M32; M40; M50; M63; transport case					

# Herramientas

## Herramientas punzonadoras, tipos SW-WS; SW-WE; SW-WR

Tipo	Nº artículo	Medidas	Indicado para	Tornillo hidráulico apropiado	Apropiado para	UE
<b>Punzones rectangulares para chapa de acero con puntas de graneteado</b>						
SW-WR 112x36	87801290	112 x 36 mm	Chapa de acero		KDP 24/x; KDL 24/x; KDL/E 24/x	1
SW-WR 86x36	87801292	86 x 36 mm	Chapa de acero		KDL 16/x; KDL/E 16/x sólo fijación atornillada	1
SW-WR 91x36	87801294	91 x 36 mm	Chapa de acero		KDL/E 16/x fijación con ganchos de retención o tornillos	1
<b>Punzones redondos para chapa de acero</b>						
SW-WE-NS M16	87801210	M16	Chapa de acero	9,5x19,0		1
SW-WE-NS M20	87801212	M20	Chapa de acero	9,5x19,0		1
SW-WE-NS M25	87801214	M25	Chapa de acero	9,5x19,0		1
SW-WE-NS M32	87801216	M32	Chapa de acero	19,0x19,0		1
SW-WE-NS M40	87801218	M40	Chapa de acero	19,0x19,0		1
SW-WE-NS M50	87801220	M50	Chapa de acero	19,0x19,0		1
SW-WE-NS M63	87801222	M63	Chapa de acero	19,0x19,0		1
SW-WE-NS Pg 9	87801238	Pg 9	Chapa de acero	9,5x19,0		1
SW-WE-NS Pg 11	87801240	Pg 11	Chapa de acero	9,5x19,0		1
SW-WE-NS Pg 13	87801242	Pg 13	Chapa de acero	9,5x19,0		1
SW-WE-NS Pg 16	87801244	Pg 16	Chapa de acero	9,5x19,0		1
SW-WE-NS Pg 21	87801246	Pg 21	Chapa de acero	9,5x19,0		1
SW-WE-NS Pg 29	87801248	Pg 29	Chapa de acero	19,0x19,0		1
SW-WE-NS Pg 36	87801250	Pg 36	Chapa de acero	19,0x19,0		1
SW-WE-NS Pg 42	87801252	Pg 42	Chapa de acero	19,0x19,0		1
SW-WE-NS Pg 48	87801254	Pg 48	Chapa de acero	19,0x19,0		1
<b>Punzones redondos para chapa de acero y de acero inoxidable</b>						
SW-WE-VA M16	87801224	M16	Chapa de acero y de acero inox.	11,1x19,0		1
SW-WE-VA M20	87801226	M20	Chapa de acero y de acero inox.	11,1x19,0		1
SW-WE-VA M25	87801228	M25	Chapa de acero y de acero inox.	11,1x19,0		1
SW-WE-VA M32	87801230	M32	Chapa de acero y de acero inox.	19,0x19,0		1
SW-WE-VA M40	87801232	M40	Chapa de acero y de acero inox.	19,0x19,0		1
SW-WE-VA M50	87801234	M50	Chapa de acero y de acero inox.	19,0x19,0		1
SW-WE-VA M63	87801236	M63	Chapa de acero y de acero inox.	19,0x19,0		1
SW-WE-VA Pg 9	87801256	Pg 9	Chapa de acero y de acero inox.	11,1x19,0		1
SW-WE-VA Pg 11	87801258	Pg 11	Chapa de acero y de acero inox.	11,1x19,0		1
SW-WE-VA Pg 13	87801260	Pg 13	Chapa de acero y de acero inox.	11,1x19,0		1
SW-WE-VA Pg 16	87801262	Pg 16	Chapa de acero y de acero inox.	11,1x19,0		1
SW-WE-VA Pg 21	87801264	Pg 21	Chapa de acero y de acero inox.	19,0x19,0		1
SW-WE-VA Pg 29	87801266	Pg 29	Chapa de acero y de acero inox.	19,0x19,0		1
SW-WE-VA Pg 36	87801268	Pg 36	Chapa de acero y de acero inox.	19,0x19,0		1
SW-WE-VA Pg 42	87801270	Pg 42	Chapa de acero y de acero inox.	19,0x19,0		1
SW-WE-VA Pg 48	87801272	Pg 48	Chapa de acero y de acero inox.	19,0x19,0		1



## Central

### Alemania

**Murrplastik Systemtechnik GmbH**  
Postfach 1143  
D- 71567 Oppenweiler  
Teléfono +49 7191 4820  
Fax +49 7191 482 280  
www.murrplastik.de  
info@murrplastik.de

### Suiza

**Murrplastik AG**  
Ratihard 40  
8253 Willisdorf  
Teléfono +41 52 646 06 46  
Fax +41 52 646 06 40  
www.murrplastik.ch  
info@murrplastik.ch

### Francia

**Murrtechnic S.à.r.l**  
Zone industrielle Sud, 6 rue Manurhin  
B.P. 62, 68120 Richwiller  
Teléfono +33 389 570 01 0  
Fax +33 389 530 96 6  
www.murrtechnic.fr  
murrtechnic@murrtechnic.fr

### Austria

**Murrplastik Systemtechnik GmbH**  
Teléfono +43 732 660 870  
Telefax +43 732 660 872  
www.murrplastik.at  
info@murrplastik.at

### España

**Murrplastik S.L.**  
Paseo Ubarburu, 76  
Pabellón 34, polígono 27  
20014 San Sebastián  
Teléfono +34 943 472 22 5  
Fax +34 943 472 89 5  
www.murrplastik.es  
info@murrplastik.es

### Estados Unidos

**Murrplastik Systems Inc.**  
2367 North Penn Road  
Suite 200  
Hatfield, PA 19440  
Teléfono: +1 215 822 7625  
Fax: +1 215 822 7626  
www.murrplastik.com  
cablegmt@murrplastik.com

### China

**murrplastik Asia Co., Ltd.**  
1003 Rm.No.1  
Fuxing zhong Rd.  
200021 Shanghai  
Teléfono: +86 21 6390-0501  
Fax: +86 21 6390-0508  
www.murrplastik.com.cn  
info@murrplastik.com.cn