





MANNESMANN DEMAG drilling and cutting tools are distinguished by:

- Ergonomic design
- Low air consumption
- Very low noise levels
- Absolutely easy to service and uncomplicated to maintain
- Modular systems: various assemblies are interchangeable
- Conception for precise as well as for rugged industrial applications

Drilling and cutting Point by point perfectly



Drills

Our wide range – drilling from 1 to 50 mm, with straight, angled or pistol grip designs – guarantees suitable drilling in all applications. The choice of the right drill is determined firstly by the drilling diameter, the material and the cutting speed which is required.

Countersinks

Our countersinks offer a perfect program for all deburring works, which must be accomplished by hand. The countersinks are ideal tools to deburr, spot face or chamfer steel, cast iron, non-ferrous or light metals. The low and variable cutting speed ensures best working results.

Tapping machines

MANNESMANN DEMAG tapping machines are in the best way suitable for cutting and cleaning threads. Grace to the optimized power-weight ratio and the handy design the tools offer opportunities for all kind of manufacturing applications. Our tapping tools are equipped with a two jaw pendular chuck with a round wedge.

→ Simply work more rational – with MANNESMANN DEMAG drills, countersinks and tapping machines.

Drills (pistol grip)

With gear rim drill chuck

- Exhaust silencer is built into the pistol grip so that there is no disruptive exhaust air
- Compact design
- Ergonomical aluminium handle
- Low maintenance
- Air supply through handle
- D 6-55 P also suitable for sinking



1

2

Technical data

Type		D 6-501 P	D 6-351 P	D 6-55 P	D 8-6000 P	D 8-2800 P
Order No.		03138-77-4	03138-97-4	03255-00-5	29919-70-5	46910-46-5
Illustration		1	1	1	2	2
Free speed	min ⁻¹	5 000	3 500	550	6 000	2 800
Power	Watt	150	150	150	320	320
DIN taper		B 10	B 10	B 10	B 12	B 12
Drill chuck clamp. range	mm	1 – 6	1 – 6	1 – 6	1 – 8	1 – 8
Drilling capacity steel	mm	4	4	4	6	6
Drilling capacity alumin.	mm	6	6	6	10	10
Noise level	dB(A)	69	69	69	75	75
Air consumption	l/sec	5.3	5.3	5.3	7.0	7.0
Weight without hose	kg	0.60	0.60	0.65	1.00	1.00
Ø machine	mm	31	31	31	38	38
Machine length	mm	162	162	188	195	198
Hose I.D.	mm	6	6	6	6	6
Connection		G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i
Accessories supplied		drill chuck key	drill chuck key	drill chuck key	drill chuck key	drill chuck key

Power and free speed at 6 bar operating pressure. Compressed air quality: oiled.

Accessories



For type	D 6-501 P	D 6-351 P	D 6-55 P	D 8-6000 P	D 8-2800 P
Gear rim drill chuck	9 376 019	9 376 019	9 376 019	9 376 014	9 376 014
Drill chuck key	9 369 811	9 369 811	9 369 811	9 369 811	9 369 811
Quick change drill chuck	9 369 990	9 369 990	9 369 990	9 369 988	9 369 988

- Exhaust silencer is built into the pistol grip so that there is no disruptive exhaust air
- Compact design
- Ergonomical aluminium handle
- Low maintenance
- Air supply through handle
- D 13-45 P with quick change drill chuck

Drills (pistol grip) With gear rim drill chuck



1



2



3

Technical data

Type		D 10-1800 P	D 13-900 P	D 13-380 P	D 13-45 P	D 15-600 P	D 15-1800 P
Order No.		46920-36-5	46920-37-5	46920-39-5	29900-01-6	47470-53-5	47420-53-5
Illustration		1	1	1	2	3	3
Free speed	min ⁻¹	1 500	900	380	450	600	1 800
Power	Watt	320	320	300	400	520	520
DIN taper		B 12	B 12	B 12	1/2" × 20 UNF	3/8" × 24 UNF	3/8" × 24 UNF
Drill chuck clamp. range	mm	1 – 10	1 – 13	1 – 13	1,5 – 13	3 – 13	3 – 13
Drilling capacity steel	mm	8	8	8	13	13	8
Drilling capacity alumin.	mm	12	12	12	20	20	12
Noise level	dB(A)	75	75	75	79	77	77
Air consumption	l/sec	7.0	7.0	7.0	9.0	11.3	11.3
Weight without hose	kg	1.10	1.25	1.30	1.90	2.40	1.25
Ø machine	mm	38	38	38	45	54	54
Machine length	mm	232	234	240	260	247	226
Hose l.D.	mm	8	8	10	10	10	10
Connection		G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i
Accessories supplied		drill chuck key	drill chuck key	drill chuck key	side handles	drill chuck key, side handles	drill chuck key, side handles

Power and free speed at 6 bar operating pressure. Compressed air quality: oiled.

Accessories



For type	D 10-1800 P	D 13-900 P	D 13-380 P	D 13-45 P	D 15-600 P	D 15-1800 P
Gear rim drill chuck	9 376 014	9 376 017	9 376 017	—	9 369 821	9 369 821
Drill chuck key	9 369 811	9 376 018	9 376 018	—	9 376 018	9 376 018
Quick change drill chuck	9 369 989	9 369 991	9 369 991	9 369 992	—	—
Side handles	—	—	—	29943-42-6	47409-00-5	47409-00-5

Drills (straight)

With gear rim drill chuck

- Suitable for vertical drilling work
- Exhaust air to the rear
- Very low-noise
- DS-model with collet suitable for brushing
- Handy and light-weight



1

Technical data

Type		D 6-5000 H	D 6-3500 H	D 8-6002 H	D 8-3702 H	D 8-2802 H
Order No.		48100-30-5	48100-31-5	29945-33-5	29945-34-5	29945-35-5
Illustration		1	1	1	1	1
Valve		lever valve	lever valve	lever valve	lever valve	lever valve
Free speed	min ⁻¹	6 000	3 500	6 000	3 700	2 800
Power	Watt	150	150	320	320	320
DIN taper		B 10	B 10	B 12	B 12	B 12
Drill chuck clamp. range	mm	1 – 6	1 – 6	1 – 8	1 – 8	1 – 8
Drilling capacity steel	mm	4	5	6	6	6
Drilling capacity alumin.	mm	6	8	10	10	10
Noise level	dB(A)	67	67	70	70	70
Air consumption	l / sec	4.2	4.2	5.3	5.3	5.3
Weight without hose	kg	0.70	0.70	1.20	1.20	1.20
Ø machine	mm	31	31	38	38	38
Machine length	mm	195	195	222	222	226
Hose I.D.	mm	6	6	6	6	6
Connection		G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i
Accessories supplied		drill chuck key	drill chuck key	drill chuck key, hose unit	drill chuck key, hose unit	drill chuck key, hose unit

Power and free speed at 6 bar operating pressure. Compressed air quality: oiled.

Accessories



For type	D 6-5000 H	D 6-3500 H	D 8-6002 H	D 8-3702 H	D 8-2802 H
Gear rim drill chuck	9 376 019	9 376 019	9 376 014	9 376 014	9 376 014
Drill chuck key	9 369 811	9 369 811	9 369 811	9 369 811	9 369 811
Quick change drill chuck	9 369 990	9 369 990	9 369 988	9 369 988	9 369 988
Hose unit	29200-31-5	29200-31-5	29923-33-5	29923-33-5	29923-33-5

Hose unit incl. supply air and exhaust air hose.

- Suitable for vertical drilling work
- Exhaust air to the rear
- Very low-noise
- DS-model with collet suitable for brushing
- Handy and light-weight

Drills (straight) With collet



Technical data

Type		DS 6000-100 H	DS 6002 H	DS 6-5000 H	DS 8-2802 H
Order No.		60016-00-5	29945-99-5	48100-20-5	29945-36-5
Illustration		1	3	2	3
Valve		lever valve	lever valve	lever valve	lever valve
Free speed	min ⁻¹	6 000	6 000	5 000	2 800
Power	Watt	320	320	150	320
Collet included	mm	6	6	6	8
Noise level	dB(A)	70	70	67	70
Air consumption	l/sec	5.3	5.3	4.2	5.3
Weight without hose	kg	1.30	1.00	0.70	1.10
Ø machine	mm	38	38	31	38
Machine length	mm	311	197	180	197
Hose I. D.	mm	6	6	6	6
Connection		G 1/4" i	G 1/4" i	G 1/4" i	G 1/4" i
Accessories supplied		Collet, wrench, hose unit	Collet, wrench, hose unit	Collet, wrench	Collet, wrench, hose unit

Power and free speed at 6 bar operating pressure. Compressed air quality: oiled.

Accessories



For type	DS 6000-100 H	DS 6002 H	DS 6-5000 H	DS 8-2802 H
Collet 6 mm	9 369 826	9 369 826	9 369 918	9 369 826
Collet 8 mm	9 369 843	9 369 843	—	9 369 843
Hose unit	29923-33-5	29923-33-5	29200-31-5	29923-33-5

Hose unit incl. supply air and exhaust air hose.

Drills

With Morse taper

- For rugged industrial applications
- Drill bits are changed by means of a feeding spindle
- Long handles mean that only a small supporting force is required



D 1601



D 2500

Technical data

Type		D 1601	D 2500
Order No.		41600-01-6	42500-00-6
Direction of rotation		clockwise	reversible
Drilling in steel up to	mm	19	32
Reaming up to	mm	—	26
Tapping up to	mm	—	26
Rolling on of pipes up to	mm	—	25
Morse taper		2	3
Free speed	rpm	650	300
Air consumption	m ³ / min	1.3	1.9
Power	kW	1.1	1.8
Spindle feeding range max.	mm	70	80
Distance between spindle centre and housing outside edge	mm	30	34
Length	mm	255	313
Weight	kg	7.0	15.0
Hose I. D.	mm	12	15
Connection		G 3/8" i	G 3/4" i

Power and free speed at 6 bar operating pressure. Compressed air quality: oiled.

Accessories supplied



For type	D 1601	D 2500
External thread coupling	9 361 337	9 361 339

- The speed regulator fitted as standard ensures that a constant speed can be maintained, even under the smallest load
- This means that there is very little wear on the vanes
- Drill bits are changed by means of a feed screw
- The very small centre-to-centre distance allows the drills to be used close to walls



D 3350



D 3400

Clockwise | Technical data

Type		D 3300	D 3350	D 3400	D 3450
Order No.		43300-00-6	43350-00-6	43400-00-6	43450-00-6
Direction of rotation		clockwise	clockwise	clockwise	clockwise
Drilling in steel up to	mm	15	23	32	50
Reaming up to	mm	12	18	27	36
Morse taper		1	2	3	4
Free speed	min ⁻¹	500	280	280	220
Air consumption, under load	m ³ / min	0.6	1.6	2.1	2.2
Air consumption, at free speed	m ³ / min	0.6	0.7	0.8	1.0
Power	kW	0.48	1.50	2.10	2.20
Length	mm	318	446	480	507
Height	mm	141	193	215	239
Feed via feed screw	mm	45	60	75	75
Distance from centre of spindle to outer edge	mm	25	30	35	40
Weight	kg	2.9	8.3	11.7	13.9
Hose I. D.	mm	10	15	15	19
Connection		G 3/8" i	G 1/2" i	G 1/2" i	G 1/2" i

Power and free speed at 6 bar operating pressure.



Accessories supplied

For type	D 3300	D 3350	D 3400	D 3450
External thread coupling	9 361 337	9 361 338	9 361 337	9 361 338

Angle drills

With gear rim drill chuck, collet

- Angle drills with collet for difficult to access areas
- Quick-action drill chuck on request
- Lever start
- Exhaust air to the rear



DW 2200



DWS 2201



DW 700

Technical data

Type		DW 2200	DWS 2200	DW 700
Order No.		29945-65-6	29945-67-6	29945-66-6
Valve		lever valve	lever valve	lever valve
Free speed	min ⁻¹	2 200	2 200	700
Power	Watt	300	300	300
Collet	mm	—	6	—
Drill chuck clamping range	mm	1 – 8	—	1 – 10
Taper DIN		3/8" × 24 UNF	—	3/8" × 24 UNF
Noise level	dB(A)	76	76	76
Air consumption	l/sec	9	9	9
Length	mm	255	255	285
Head height	mm	83	54	90
Ø machine	mm	40	40	40
Weight	kg	1.10	1.00	1.30
Connection	G	1/4" i	1/4" i	1/4" i
Hose I.D.	mm	8	8	8
Accessories supplied		drill chuck key	wrench, collet	drill chuck key

Power and free speed at 6 bar operating pressure. Compressed air quality: oiled.

Accessories



Gear rim drill chuck	DW 2200	DWS 2200	DW 700
Order No.	9 376 023	—	9 376 022
Collets			
3 mm	—	9 369 855	—
5 mm 3/16"	—	9 369 850	—
6 mm	—	9 369 839	—

Collets
1 | 1,5 | 3,5 | 4,5 | 5,5 mm
available on request.

Countersinks

Deburring of drillings

- Extremely quiet and robust
- Push start as soon as pressure is applied (Type BS 502)
- Low air consumption, as drive is only active during actual operation
- Thus leading to longer service life
- Suitable for additional activities during the main production time on CNC machine tools
- Cold-insulating handle
- The ergonomic design of the handle means that work is non-tiring
- BS 502, BSW 903 and BSW 506 with speed regulator
- The ease of operation is supported by a starter button on the type BS 500 P
- BSW 903 and BSW 506 (angle version) for deburring of difficult to access areas, e.g. holes with cross sections



BS 502

BS 500 P

Technical data

Type		BS 502	BS 500 P	BSW 903	BSW 506
Order No.		29602-46-5	29500-32-5	60012-08-5	29945-64-5
Valve		thrust start	starter button	lever valve	lever valve
Free speed	rpm	500	500	900	500
Speed regulator		ja	nein	ja	ja
Power	Watt	160	160	35	65
Sinking range	mm	5 – 30	5 – 30	2 – 10	5 – 25
Collet included	mm	8	8	3 skt	1/4" skt
Collet available	mm	6, 10	6, 10	—	—
Noise level	dB(A)	65	63	68	71
Air consumption	l/sec	5.0	5.0	2.8	5.0
Weight without hose	kg	0.65	0.78	0.40	0.85
Ø machine	mm	31	31	25	30
Machine length	mm	230	190	258	295
Head height without counterbore	mm	—	—	18	30.5
Hose unit					
Supply air hose	m	1.5	—	1.5	1.5
Exhaust air hose	m	1	—	1	1
Connection		G 1/4"	G 1/4" i	G 1/4"	G 1/4"
Accessories supplied		drill chuck key	drill chuck key	—	—

Power and free speed at 6 bar operating pressure. Compressed air quality: oiled.



BSW 903

BSW 506

Countersinks

Deburring of drillings



HSS counterbore BS



HSS counterbore BSW 506



HSS counterbore BSW 903

HSS counterbores

For types BS 502 and BS 500 P

3 teeth, shaft 8 Ø / 90°

Sinking range 3.5 – 14 mm	48109-11-6
Sinking range 5 – 25 mm	48109-10-6
Sinking range 5 – 30 mm	48109-09-6

For type BSW 506

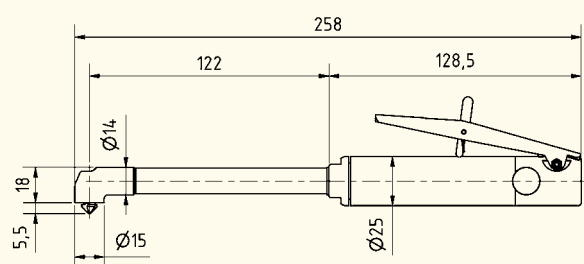
3 teeth, 1/4" hexagon / 90°

Sinking range 2.5 – 10 mm	48109-21-6
Sinking range 3.2 – 16.5 mm	48109-22-6
Sinking range 3.5 – 20.5 mm	48109-23-6
Sinking range 5 – 25 mm	48109-24-6

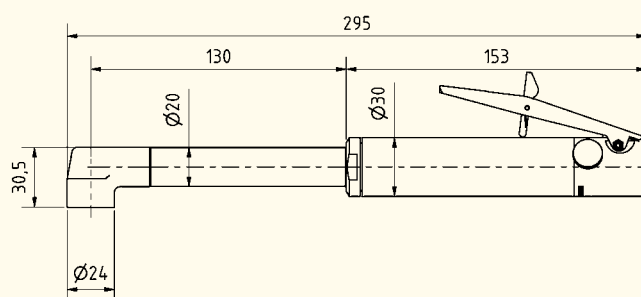
For type BSW 903

3 teeth, 3 mm hexagon / 90°

Sinking range 2 – 6 mm	48109-26-6
Sinking range 2 – 10 mm	48109-25-6



BSW 903



BSW 506

Accessories

Hose unit	BS 502	BS 500 P	BSW 903	BSW 506
Order No.	29603-25-5	—	60012-24-5	29603-25-5
Collets				
6 mm	9 369 837	9 369 837	—	—
8 mm	9 369 818	9 369 818	—	—
10 mm	9 369 817	9 369 817	—	—

- Handy-ergonomic aluminium handle
- Quiet, high power
- Reversible forward and return speed with rocker
- Efficient operation: pendular chuck makes it easy to start the cut
- Optimum cutting power
- Double reverse speed at model G 14-6P
- Model G 14-6 P: reversing pull-pull gear
- With quick change chuck upon request



GE 8-500 P



G 14-6 P

Type		GE 8-500 P	GE 8-900 P	G 14-6 P
Order No.		47060-06-5	47060-08-5	47650-53-5
Free speed	rpm	500	900	600
Power	Watt	200	200	550
Pendular chuck		yes	yes	yes
Square clamping range	mm	3 – 9	3 – 9	3 – 9
Taper DIN 238		B 12	B 12	B 12
Tapping in steel	mm	M 6	M 6	M 14
Tapping in aluminium	mm	M 8	M 8	M 16
Ø machine	mm	38	38	52
Machine length	mm	251	251	318
Noise level	dB(A)	77	77	78
Weight without hose	kg	1.20	1.20	2.20
Air consumption	l/sec	4.5	4.5	9.0
Hose I. D.	mm	6	6	10
Connection		G 1/4" i	G 1/4" i	G 1/4" i
Accessories supplied		pendular chuck	pendular chuck	pend. chuck, side handle

Power and free speed at 6 bar operating pressure. Compressed air quality: oiled.

Accessories

Type	Tapping chuck assy.	Drill chuck key	Integral chuck jaws	Side handles
GE 8 without round wedge	9 369 982	9 369 834	9 369 954	03256-00-5
G 14 with round wedge	9 369 833	9 369 834	9 369 955	03208-97-6



Swivel joint

Variacor	60001-60-6
Further Information see p. 164	

Tapping tools

Straight version



MAS 8

- Safety lever
- Non-lubrication use possible
- Noise dampening system
- Ergonomic design
- Multi-functional

 **Direction change:**
All models change tapping direction
by push - pull

Technical data

Type		MAS 8	MAY 10	MAY 12
Order No.		134 610 108	136 309 028	136 309 016
Clockwise running upon push		Lever start	Lever start	Lever start
Free speed clockwise	min ⁻¹	500	450	220
Free speed counterclockwise	min ⁻¹	800	930	470
Quick change chuck		yes	yes	yes
Tapping in steel	mm	M 8	M 10	M 12
Tapping in aluminium	mm	M 12	M 13	M 14
Noise level	dB(A)	74	78	78
Air consumption	l/sec	9	11	11
Machine length	mm	240	335	335
Ø machine	mm	40	46	46
Weight without hose	kg	0.98	1.82	1.82
Connection	G	1/4" i	1/4" i	1/4" i
Hose I. D.	mm	8	8	8
Accessories supplied		quick change chuck for tap holders, side handle, support		

Power and free speed at 6 bar operating pressure. Compressed air quality: oiled.

- Tap holders ensure a quick working when different taps are needed



Quick change chuck

Quick change chuck for standard tap holders

For tapping machines	Order No.
MAS 8	65 941 1001
MAY 10	65 961 1001
MAY 12	65 961 1001



Tap holders

Tap holders

	Ø Shaft (tap) mm	□ Drive square (tap)	Order No.
M 2	2,8	2,1	65 521 1028
M 3	3,5	2,7	65 527 1035
M 3,5	4,0	3,0	65 530 1040
M 4	4,5	3,4	65 534 1045
M 5 6 8	6,0	4,9	65 549 1060
M 10	7,0	5,5	65 555 1070
M 11	8,0	6,2	65 562 1080
M 12	9,0	7,0	65 570 1090
M 14	11,0	9,0	65 590 1110

Air saw

For sheet steel, aluminium and plastics



SRV 110

- The air saw is ideal for the processing of sheet steel (carbody sheet, pipes made of sheet metal etc.), aluminium and plastics
- High cutting speed
- High performance at low air consumption
- Low noise level
- Patented anti vibration system
- Steel saw blades
- Safety lever according to EN 792
- Fullfills the European Union guideline 2002 / 44 / EC with the vibration value of 2 m / s²

Technical data

Type		SRV 110
Order No.		29800-27-6
Number of blows	rpm	9 000
Stroke length	mm	8
Air consumption	l / sec	1.5
Noise level	dB(A)	80
Ø machine	mm	41
Machine length	mm	210
Weight without hose	kg	1.15
Hose I. D.	mm	8
Connection		G 1/4"
Accessories supplied		wrench, 1 set of saw blade

Power and free speed at 6 bar operating pressure. Compressed air quality: oiled.



Saw blades | length 96 mm

Range of application	Tooth distance	Teeth per inch	Order No.
ST 37 / V2A and non-ferrous metals up to 1 mm. Suitable for curved cut.	0.8 mm	32	29905-10-6
ST 37 / V2A and non-ferrous metals up to 2 mm. Suitable for curved cut.	1.0 mm	24	29905-11-6
ST 37 / V2A and non-ferrous metals up to 2.5 mm. Wood, plastics, laminated fabrics.	1.8 mm	14	29905-12-6