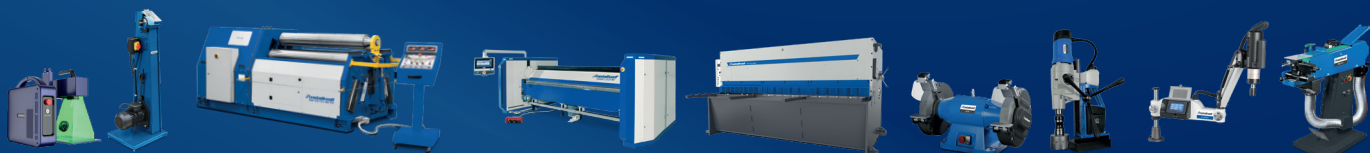
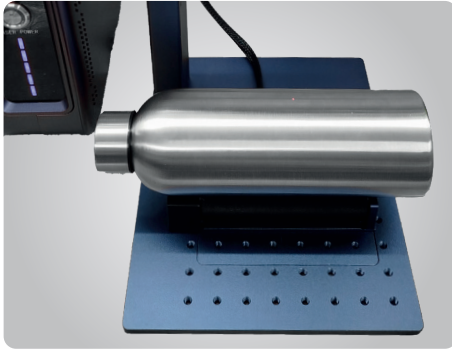


SPRING/SUMMER 2026



Laser engraving

Permanent marking on stainless steel, aluminium, titanium, plastics, leather and ceramics.



Fibre laser P-LG 20

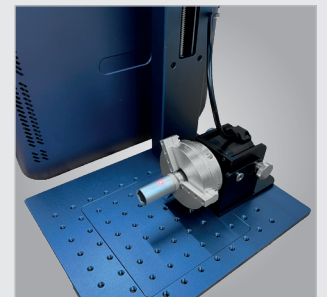
High engraving speed up to 15000 mm/s

MetalkraftFibre laser P-LG 20
Other

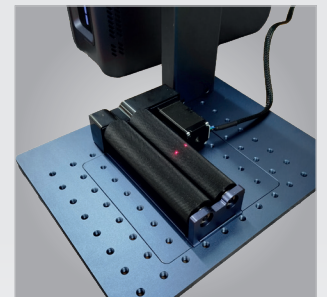
P-LG 20

Laser marking device suitable for stainless steel, aluminium, titanium, plastics, leather

- ▶ 20 W fibre laser source
- ▶ High engraving speed up to 15000 mm/s
- ▶ Adjustable focus with an accuracy of up to 0.001 mm for intricate details
- ▶ Marking field 110 x 110 mm
- ▶ User-friendly user interface and compatibility with common software solutions such as LightBurn (available separately)
- ▶ Mobile use
- ▶ Manual height adjustment of the laser head
- ▶ USB port



▶ Accessories:
Turning device with jaw chuck
(Art. no: 4700005)



▶ Accessories:
Roller turning device
(Art. no. 4700006)

Technical data		P-LG 20
Art no.		4700000
Max. operating speed	mm/s	15000
Work area	mm	110x110 / 150x150
Working temperature	C°	0 – 65
Electrical connection ~50 Hz	W	20
Laser head dimensions approx.(L x W x H)	mm	222x82x132
Product dimensions approx.(L x W x H)	mm	260x440x505
Weight approx.	kg	6.5

Accessory	Art. no.
Turning device with jaw chuck	4700005
Roller turning device	4700006
Protective cover	4700007

S-LG series

Stationary laser engravers ideal for processing materials such as stainless steel, aluminium, titanium, plastics and ceramics.

- ▶ Powerful fibre lasers for precise engraving and cutting
 - ▶ High engraving speed of up to 8000 mm/s for efficient work processes
 - ▶ Compact and space-saving design, perfect for integration into existing work environments
 - ▶ Non-contact engraving technology reduces physical wear and tear
 - ▶ Consistently high-quality results, even in mass production
 - ▶ Expandable with accessories such as rotary axes for processing cylindrical objects
- ▶ User-friendly software including EZCAD for uncomplicated operation
 - ▶ Compatible with the LightBurn editing software (not included)
 - ▶ USB port
 - ▶ Data transmission: RS232, TCP/IP



S-LG 30



S-LG 50 T



S-LG 50 TL

Technical data		S-LG 30 C	S-LG 30	S-LG 50 T	S-LG 50 TL
Art no.		4700010	4700020	4700030	4700040
Laser head (LxWxH)	mm	118.5x96.5x93.6	118.5x96.5x93.6	118.5x96.5x93.6	118.5x96.5x93.6
Work area	mm	110 x 110	175 x 175	175 x 175	175 x 175
Working temperature	°C	5 – 43	5 – 43	5 – 43	5 – 43
Engraving accuracy	mm	0.002	0.002	0.002	0.002
Max. operating speed	mm/s	8000	8000	8000	8000
Output power	W	≥30	≥30	≥50	≥50
Electrical connection ~50 Hz	V	230	230	230	230
Dimensions (L x W x H) approx.	mm	430x672x685	550x570x605	N.L.	N.L.
Weight approx.	kg	68	54	128	135

GS - Pneumatic and motorised tapping machines

- ▶ Damping of the drill head weight by gas springs
- ▶ Quick-change insert with slip clutch for safe thread cutting without risk of breakage

GS 1000-12 P

- ▶ Pressure gauge and working pressure regulator easily accessible on the swivel arm
- ▶ Swivelling drill head 0° - 90°
- ▶ Right/left rotation selectable at the machine head

GS 1100-16 E D

- ▶ Adjustment of thread size, speed, pitch and cutting depth via touchscreen on the swivel arm
- ▶ Manual mode: After reaching the set cutting depth, the spindle stops automatically, forward and reverse must be activated manually
- ▶ Suitable for drilling due to the higher speed

- ▶ Drill head precisely height-adjustable via star grip and tothing on the magnetic stand
- ▶ Automatic mode: Once the set cutting depth has been reached, the machine automatically switches from forward to reverse mode - ideal for tapping multiple blind holes
- ▶ Magnetic stand for fixing the machine head guarantees precise up and down movement



GS 1000-12 P

- ▶ Machine head can be swivelled from 0 to 90 degrees



GS 1100-16 E D

- ▶ Setting the parameters via the touchscreen integrated in the swivel arm



GS 1100-16 E D

- ▶ Magnetic stand for fixing the machine head guarantees precise up and down movement and downward movement (drill chuck shown is not included in the scope of delivery)

Scope of delivery:

GS 1000-12 P SET

- ▶ 6x Tapping chuck GT12 (M3, M4, M5-6, M8, M10, M12)

GS 1100-16 E D

- ▶ 6x GT12 tapping chuck (M3, M4, M5-6, M8, M10, M12)



Technical data		GS 1000-12 P	GS 1101-16 E D
Art no.		4450012	4450416
Drive		pneumatic	electric
Threaded holes at 400 N/mm ²		M3 – M12	M3 – M12
Max. speed	min ⁻¹	400	1000
Boom radius	mm	1000	1100
Angle adjustment	°	0 – 90	-
Pneumatic connection Operating pressure	bar	6 – 8	-
Drive motor power	kW/ V	-	0.6 / 230
Dimensions (L x W x H) approx.	mm	930 x 90 x 520	930 x 60 x 520
Weight approx.	kg	17	27



Technical data

Art no. 3872100

Technical data

Art no. 4460006

Mobile machine base

Compatible with all Metalkraft tapping machines

- ▶ Possibility of fastening the tapping machine on the left and right side
- ▶ Incl. wheels with brakes for mobile use
- ▶ Cast iron plate with 3 T-slots (16 mm)
- ▶ Equipped with one door incl. handle and 5 drawers with ball bearings

GS E - Fast and precise thread cutting with freely positionable swivel arm

- ▶ Damping of the drill head weight by gas springs
- ▶ Quick-change insert with slip clutch for safe thread cutting without risk of breakage
- ▶ Direction of rotation for right-hand or left-hand threads can be set via the touchscreen in the swivel arm
- ▶ Adjustment of thread size, speed, pitch and cutting depth via touchscreen on the swivel arm
- ▶ Automatic mode: Once the set cutting depth has been reached, the machine automatically switches from forward to reverse mode - ideal for tapping multiple blind holes
- ▶ Manual mode: After reaching the set cutting depth, the spindle stops automatically, forward and reverse must be activated manually



- ▶ Machine head can be swivelled from 0 to 90 degrees



- ▶ Setting the parameters via the touchscreen integrated in the swivel arm



Scope of delivery:

GS 1100-16 E SET

- > 8x GT12 tapping chuck (M3, M4, M5-6, M8, M10, M12, M14, M16)

GS 1200-24 E

- > 9x tapping chuck GT24 (M6, M8, M10, M12, M14, M16, M18, M20, M22-24)

GS 1200-36 E

- > 13x GT24 tapping chuck (M6, M8, M10, M12, M14, M16, M18, M20, M22-24, M27, M30, M33, M36)

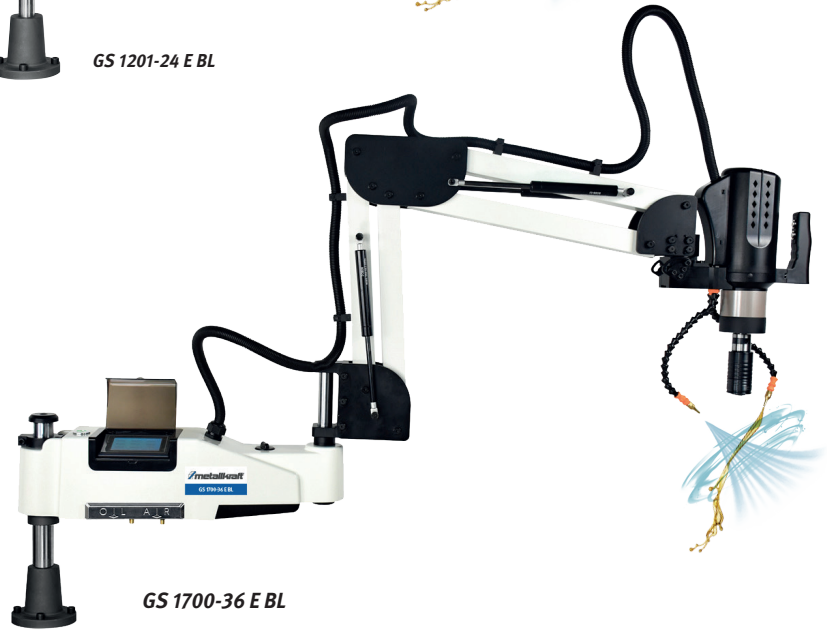
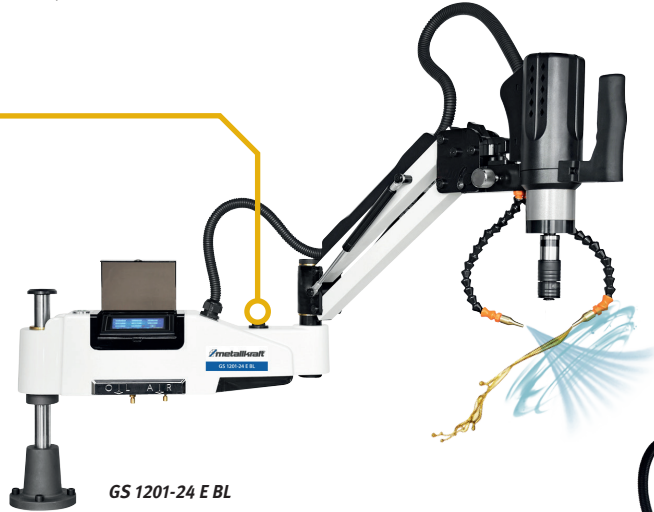


Technical data		GS 1100-16 E	GS 1200-24 E	GS 1200-36 E
Art no.		4450116	4450124	4450136
Drive		electric	electric	electric
Threaded holes at 400 N/mm ²		M3 – M16	M6 – M24	M6 – M36
Max. speed	min ⁻¹	312	200	156
Boom radius	mm	1100	1200	1200
Angle adjustment	°	0 – 90	0 – 90	0 – 90
Drive motor power	kW/ V	0.6 / 230	1.2 / 230	1.2 / 230
Dimensions (L x W x H) approx.	mm	930 x 90 x 520	1400 x 100 x 700	1400 x 100 x 700
Weight approx.	kg	17	40	42

GS E BL - Electric tapping machines with integrated lubricant reservoir

- ▶ Programmable blow-out and lubrication function (requires external compressed air source with 6 - 8 bar operating pressure)
- ▶ Integrated lubricant reservoir with 0.6 litre volume, or 1 litre volume (for GS 1500-16 E BL)
- ▶ Drill head swivelling 0° - 90°
- ▶ Damping of the drill head weight by gas springs
- ▶ Quick-change insert with slip clutch for safe thread cutting without risk of breakage
- ▶ Direction of rotation for right-hand or left-hand threads can be set via the touchscreen in the swivel arm
- ▶ Adjustment of thread size, speed, pitch and cutting depth via touchscreen on the swivel arm
- ▶ Manual mode: After reaching the set cutting depth, the spindle stops automatically, forward and reverse must be activated manually
- ▶ Substructure with clamping table and trolley available as accessories
- ▶ Automatic mode: Once the set cutting depth has been reached, the machine automatically switches from forward to reverse mode - ideal for tapping multiple blind holes

**GS 1500-16 E BL/ GS 1700-24 E BL/
GS 1700-36 E BL**
▶ Extra large boom radius



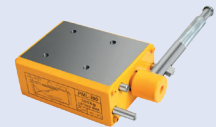
- Scope of delivery:**
- GS 1101-16 E BL**
 - > 8x GT12 tapping chuck (M3, M4, M5-6, M8, M10, M12, M14, M16)
 - GS 1201-24 E BL**
 - > 9x GT24 tapping chuck (M6, M8, M10, M12, M14, M16, M18, M20, M22-24)
 - GS 1201-36 E BL**
 - > 13x GT24 tapping chuck (M6, M8, M10, M12, M14, M16, M18, M20, M22-24, M27, M30, M33, M36)
 - GS 1500-16 E BL**
 - > 8x GT12 tapping chuck (M3, M4, M5-6, M8, M10, M12, M14, M16)
 - GS 1700-24 E BL**
 - > 9x GT12 tapping chuck (M6, M8, M10, M12, M14, M16, M18, M20, M22-24)
 - GS 1700-36 E BL**
 - > 14x GT12 tapping chuck (M6, M8, M10, M12, M14, M16, M18, M20, M22-M20, M22-24, M27, M30, M33, M36)

Technical data		GS 1101-16 E BL	GS 1201-24 E BL	GS 1201-36 E BL	GS 1500-16 E BL	GS 1700-24 E BL	GS 1700-36 E BL
Art no.		4450217	4450225	4450237	4450316	4450324	4450336
Drive		electric	electric	electric	electric	electric	electric
Threaded holes at 400 N/mm ²		M3 – M16	M6 – M24	M6 – M36	M3 – M16	M6 – M24	M6 – M36
Max. speed	min ⁻¹	312	250	156	312	200	156
Boom radius	mm	1100	1200	1200	1500	1700	1700
Angle adjustment	°	0 – 90	0 – 90	0 – 90	0 – 90	0 – 90	0 – 90
Drive motor power	kW/ V	0.6 / 230	1.2 / 230	1.2 / 230	0.6 / 230	1.2 / 230	1.2 / 230
Dimensions (L x W x H) approx.	mm	930 x 60 x 520	1400 x 100 x 700	1400 x 100 x 700	1600 x 100 x 800	1800 x 140 x 1000	1800 x 140 x 1000
Weight approx.	kg	25	40	42	30	55	55

Article	Art. no.	1000-12 P 4450012	1100-16 E 4450116	1100-16 E D 4450416	1101-16 E BL 4450217	1500-16 E BL 4450316	1700-24 E BL 4450324	1700-36 E BL 4450336	1200-24 E 4450124	1200-36 E 4450136	1201-24 E BL 4450225	1201-36 E BL 4450237
Magnetic base												
MF-GS1	4460010	●	●	●	●	●	-	-	-	-	-	-
MF-GS2	4460011	-	-	-	-	-	●	●	●	●	●	●
Holder for tapping chuck												
Suitable for all GS -12 and GS -16	4460081	●	●	●	●	●	-	-	-	-	-	-
Suitable for all GS -24 and GS -36	4460082	-	-	-	-	-	●	●	●	●	●	●
GT12 tapping chuck												
M3	4460050	●	●	●	●	●	-	-	-	-	-	-
M4	4460051	●	●	●	●	●	-	-	-	-	-	-
M5 - 6	4460052	●	●	●	●	●	-	-	-	-	-	-
M8	4460053	●	●	●	●	●	-	-	-	-	-	-
M10	4460054	●	●	●	●	●	-	-	-	-	-	-
M12	4460055	●	●	●	●	●	-	-	-	-	-	-
M14	4460056	●	●	-	●	●	-	-	-	-	-	-
M16	4460057	●	●	-	●	●	-	-	-	-	-	-
GT24 tapping chuck												
M6	4460060	-	-	-	-	-	●	●	●	●	●	●
M8	4460061	-	-	-	-	-	●	●	●	●	●	●
M10	4460062	-	-	-	-	-	●	●	●	●	●	●
M12	4460063	-	-	-	-	-	●	●	●	●	●	●
M14	4460064	-	-	-	-	-	●	●	●	●	●	●
M16	4460065	-	-	-	-	-	●	●	●	●	●	●
M18	4460066	-	-	-	-	-	●	●	●	●	●	●
M20	4460067	-	-	-	-	-	●	●	●	●	●	●
M22 - 24	4460068	-	-	-	-	-	●	●	●	●	●	●
M27	4460069	-	-	-	-	-	●	●	●	●	●	●
M30	4460070	-	-	-	-	-	●	●	●	●	●	●
M33	4460071	-	-	-	-	-	●	●	●	●	●	●
M36	4460072	-	-	-	-	-	●	●	●	●	●	●
Drill chuck adapter												
GT12-B16	4460085	-	●	●	●	●	●	-	●	●	●	-
GT24-B18	4460086	-	●	●	●	●	●	-	●	●	●	-
Adapter												
GT24-GT12	4460080	-	-	-	-	-	●	●	●	●	●	●
Die holder												
GT24-M10	4460087	-	●	●	●	●	●	●	●	●	●	●
GT12 M3-6	4460088	●	-	-	-	-	-	-	-	-	-	-
GT12 M8	4460089	●	-	-	-	-	-	-	-	-	-	-
GT12 M10	4460090	●	-	-	-	-	-	-	-	-	-	-
GT12 M12-16	4460091	●	-	-	-	-	-	-	-	-	-	-
GT24 M3-6	4460092	●	-	-	-	-	-	-	-	-	-	-
GT24 M8	4460093	●	-	-	-	-	-	-	-	-	-	-
GT24 M12-16	4460094	●	-	-	-	-	-	-	-	-	-	-
GT24 M18-20	4460095	●	-	-	-	-	-	-	-	-	-	-
GT24 M22-24	4460096	●	-	-	-	-	-	-	-	-	-	-
GT24 M27-36	4460097	●	-	-	-	-	-	-	-	-	-	-
GT12 M18-20	4460098	●	-	-	-	-	-	-	-	-	-	-
Precision quick-action drill chuck												
1-16 mm, B18	3050630	-	-	●	●	-	-	-	●	●	●	●
Lubricant												
Cutting oil spray	3872100	●	●	●	●	●	●	●	●	●	●	●



Technical data	Machine base
Art no.	4460006



Magnetic base



Holder for Thread tapping chuck



Drill chuck adapter



Adapter



Die holder



Precision quick-action drill chuck

GS 18 - Electric tap with reversible gearbox

- ▶ Reversible gearbox enables very short processing times: Pressure on the spindle starts the slow clockwise rotation of the tool; when the tool is retracted, fast reverse at 680 rpm is automatically activated
- ▶ Simple thread cutting in just one operation thanks to high torque, low speed and high concentricity

- ▶ Additional handle enables optimum and convenient tool guidance
- ▶ Compensation of angular offset of the cutting tool in the bore by means of a joint coupling between the chuck holder and the threaded chuck

- ▶ Depth stop for blind hole tapping



Tap not included in scope of supply

Scope of delivery:

- › Universal holder M6 -M18 with slip clutch
- › Additional handle
- › 4 mm hex key
- › Depth stop
- › Carrying case

Technical data	GS 18
Art no.	3860018
Tap	M6 - M18
Steel (S235JR) Short-term/continuous operation	M18 / M14
Aluminium short-time/continuous operation	M18 / M16
Idle forwards (clockwise/anticlockwise rotation)	280 / 680 min ⁻¹
Under load (clockwise/anticlockwise rotation)	170 / 410 min ⁻¹
Motor power ~50 Hz	450 W / 230 V
Dimensions (L x W x H) approx.	400 x 80 x 200 mm
Weight approx.	3 kg

Accessory	Art. no.
Cutting oil spray	3872100

MB BL-V series -

Universally applicable magnetic drilling machines for drilling, tapping, reaming and countersinking

► **BRUSHLESS motor**

Brushless motor for higher energy efficiency, lower maintenance requirements and maximum service life

► **Soft start**

Controlled, material-friendly start reduces mechanical stress, protects the engine and gearbox and increases precision and work safety

► **Electronic speed control**

Infinitely variable, electronic speed control for optimum adaptation to different materials and applications

► **Digital machine monitoring**

Integrated display shows all relevant parameters

► **Ergonomic operating concept**

Large LED silicone buttons in the visible area for intuitive, confusion-proof operation

► **Magnetic holding force indicator**

Visual control of the holding force for maximum safety

MB 351 BL-V



MB 502 BL-V



MB 653 BL-V



Technical data		MB 351 BL-V	MB 502 BL-V	MB 653 BL-V
Art no.		3866035	3866052	3866065
Core drill-Ø max. with manual feed	mm	35	50	60
Drilling depth max. core drilling with manual feed	mm	50	50	45
Drill holder		Weldon 3/ 4"	Weldon 3/ 4"	MT 3
Speed(s) at idle (clockwise rotation)	min ⁻¹	100 – 550	100 – 260 / 480	190 / 230 / 490
Magnet holding force	N	14800	15600	16000
Magnetic base length/width	mm	166 x 80	166 x 80	202 x 110
Motor power ~50 Hz	kW/V	1.6 / 230	1.8 / 230	2 / 230
Protection class		IP 42	IP 42	IP 42
Dimensions (LxWxH) approx.	mm	250x220x500	250x220x500	370x180x580
Weight approx.	kg	12	12	16

► **Gearbox variants**

Models with 1-, 2- or 3-speed gearboxes for different torque and speed requirements

► **Left/right rotation**

Switchable direction of rotation for versatile applications

► **Tilt sensor**

Automatic switch-off in the event of slipping or tipping for maximum work safety

► **Integrated coolant tank**

Direct coolant supply for extended service life of the core drills and improved drilling performance

► **Easy to transport**

Practical carrying handle and tool case for easy and safe transport



► LED silicone buttons for intuitive, confusion-proof operation

MB 853 BL-V



MB 1003 BL-V



► Integrated display shows all relevant parameters such as voltage, current, real-time power, power factor, mains frequency, operating time, power consumption and motor temperature

Technical data		MB 853 BL-V	MB 1003 BL-V
Art no.		3866085	3866100
Core drill-Ø max. with manual feed	mm	85	100
Drilling depth max. core drilling with manual feed	mm	50	55
Drill holder		MT 3	MT 3
Speed(s) at idle (clockwise rotation)	min ⁻¹	170 / 210 / 430	100 / 130 / 260
Magnet holding force	N	18800	19800
Magnetic base length/width	mm	220 x 110	220 x 110
Motor power ~50 Hz	kW/V	2 / 230	2.3 / 230
Protection class		IP 42	IP 42
Dimensions (LxWxH) approx.	mm	370 x 180 x 580	360 x 250 x 650
Weight approx.	kg	18	18

Accessory	Art. no.
Cutting oil spray 400ml	3872100
"CHIPMAG" Chip removal device	3850015

Scope of delivery
Quick-action drill chuck
Plastic transport case

RB 127 - Pipe drilling machine for hole saws with quick-clamping system and low overall height

Magnetic drilling machine MB 351 F BL-V - Universally applicable for drilling, tapping, reaming and countersinking

RB 127

- ▶ Integrated spirit level
- ▶ Cutting of holes up to 127 mm possible
- ▶ Horizontal as well as vertical working position possible
- ▶ Bracket for pipes with simple quick-release system and chain

MB 351 F BL-V

- ▶ Brushless motor for higher energy efficiency, lower maintenance requirements and maximum service life
- ▶ Soft start
- ▶ Electronic speed control
- ▶ Ergonomic operating concept – silicone buttons in the visible area for intuitive, confusion-proof operation
- ▶ Magnet holding force indicator – Visual control of the holding force for maximum safety
- ▶ Can level – integrated spirit level for precise horizontal alignment of the machine
- ▶ LED work light – for clear illumination of the working area
- ▶ Compact design – extremely small and lightweight design for use in confined and hard-to-reach work areas
- ▶ Space-saving operation – ratchet operation on both sides enables comfortable working
- ▶ Tilt sensor – automatic switch-off in case of slipping or tilting
- ▶ Internal cooling lubrication – hand pump system for direct coolant supply

RB 127 – for pipe drilling



Scope of delivery

Protective device
Operating tool
Plastic carrying case
Bracket for pipes 32– 203 mm
Key-type drill chuck 1 - 16 mm

MB 351 F BL-V – flat design



Scope of delivery

Metal transport case

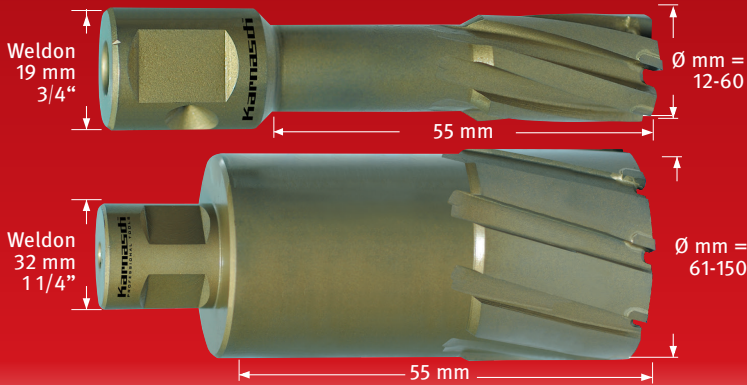
Technical data		RB 127	MB 351 F BL-V
Art no.		3860127	3866030
Hole saws max. Ø		127	–
Core drill-Ø max. with manual feed	mm	–	35
Drilling depth max. core drilling with manual feed	mm	–	35
Drill holder		5/8" – 16	Weldon 3/ 4"
Speed(s) at idle (clockwise rotation)	min ⁻¹	–	850
Magnet holding force	N	–	14500
Magnetic base length/width	mm	–	166 x 80
Motor power ~50 Hz	kW/V	1.1/ 230	1.7/ 230
Protection class		–	IP 42
Dimensions (LxWxH) approx.	mm	440 x 350 x 330	290 x 154 x 160
Weight approx.	kg	14.5	8.5



Accessory	Art. no.
Cutting oil spray 400ml	3872100
"CHIPMAG" Chip removal device	3850015
6-part core drill set in a practical plastic case (Ø 12, 14, 16, 18, 20, 22 mm, length: 25 mm)	3873008

Quality core drills from the HARD-LINE series

- ▶ Karnasch carbide-tipped core drills are manufactured in an elaborate pre-cutting/re-cutting geometry. This results in chatter-free, smooth and easy cutting with maximum tool life
- ▶ HARD-LINE drills are manufactured with a conical spiral for clean chip flow and maximum cutting performance even with difficult materials
- ▶ Karnasch HARD-LINE core drills are fitted exclusively with Sandvik carbide teeth. We believe: Only the best carbide is good enough for Karnasch core drills!



Ømm	38720.1316	Ømm	38720.1316	Ømm	38720.1316
12	38720.131612	42	38720.131642	73	38720.131673
13	38720.131613	43	38720.131643	74	38720.131674
14	38720.131614	44	38720.131644	75	38720.131675
15	38720.131615	45	38720.131645	76	38720.131676
16	38720.131616	46	38720.131646	77	38720.131677
17	38720.131617	47	38720.131647	78	38720.131678
17.5	38720.131617.5	48	38720.131648	79	38720.131679
18	38720.131618	49	38720.131649	80	38720.131680
19	38720.131619	50	38720.131650	82	38720.131682
20	38720.131620	51	38720.131651	83	38720.131683
21	38720.131621	52	38720.131652	84	38720.131684
22	38720.131622	53	38720.131653	85	38720.131685
23	38720.131623	54	38720.131654	88	38720.131688
24	38720.131624	55	38720.131655	90	38720.131690
25	38720.131625	56	38720.131656	92	38720.131692
26	38720.131626	57	38720.131657	95	38720.131695
27	38720.131627	58	38720.131658	100	38720.1316100
28	38720.131628	59	38720.131659	103	38720.1316103
29	38720.131629	60	38720.131660	104	38720.1316104
30	38720.131630	61	38720.131661	105	38720.1316105
31	38720.131631	62	38720.131662	106	38720.1316106
32	38720.131632	63	38720.131663	108	38720.1316108
33	38720.131633	64	38720.131664	110	38720.1316110
34	38720.131634	65	38720.131665	115	38720.1316115
35	38720.131635	66	38720.131666	120	38720.1316120
36	38720.131636	67	38720.131667	125	38720.1316125
37	38720.131637	68	38720.131668	130	38720.1316130
38	38720.131638	69	38720.131669	135	38720.1316135
39	38720.131639	70	38720.131670	140	38720.1316140
40	38720.131640	71	38720.131671	145	38720.1316145
41	38720.131641	72	38720.131672	150	38720.1316150

Ejector pin

	Ø 12-17 mm	38720.1271
	Ø 18-60 mm	38720.1273
	Ø 61-150 mm	38720.1272

HARD-LINE SET 55



Content	Ø mm 14, 16, 18, 20, 22, 26	38720.1339
+ 2 ejector pins		



also available as HARD-LINE 40, 80 and 110 with 55 mm, 80 mm and 110 mm cutting depth

Core drill holder

Quick-Change holder for Universal-/Weldon shank 19 mm

- ▶ Change core drills in seconds without tools
- ▶ Can be used up to the following maximum diameter and cutting depths:
All HSS-XE core drills up to a diameter of 60 mm and cutting depth of 55 mm
All carbide core drills up to a diameter of 50 mm and cutting depth of 55 mm



STARTER SET 2

- ▶ 6-part core drill set (Art. no. 3873006)
- ▶ Universal cutting paste, 750 g (Art. no. 387601157)
- ▶ MT 2 mounting bracket without automatic internal cooling (Art. no. 387201283)

Quick-change holder with automatic internal cooling



MORSE-KÖNIG 2	Morse taper 2	38720.1303
MORSE-KÖNIG 3	Morse taper 3	38720.1307

Quick-change holder without automatic internal cooling



MORSE-KÖNIG 2	Morse taper 2	38720.1301
MORSE-KÖNIG 3	Morse taper 3	38720.1437

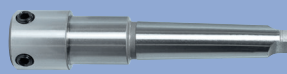
Holder without quick-change for universal/Weldon shank 19 mm

Holder with automatic internal cooling



MORSE-KÖNIG 2	Morse taper 2	38720.1287
MORSE-KÖNIG 3	Morse taper 3	38720.1289

Holder without automatic internal cooling



MORSE-KÖNIG 2	Morse taper 2	38720.1283
MORSE-KÖNIG 3	Morse taper 3	38720.1293

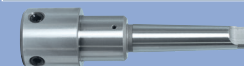
Holder without quick-change for universal/Weldon shank 32 mm

Holder with automatic internal cooling



MORSE-KÖNIG 3	Morse taper 3	38720.1290
MORSE-KÖNIG 4	Morse taper 4	38720.1292

Holder without automatic internal cooling



MORSE-KÖNIG 3	Morse taper 3	38720.1286
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Quality core drills from the SILVER-LINE and GOLD-LINE series

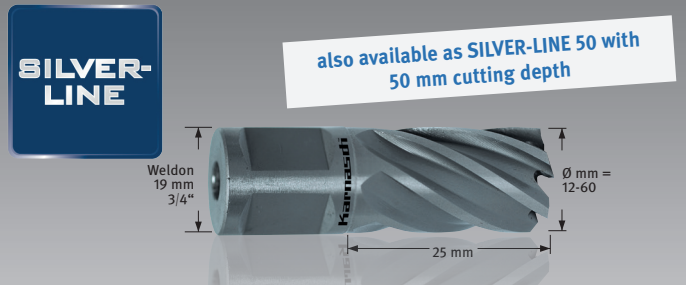
- ▶ Hardened in stages. This results in extremely hard tooth tips (68 HRC) and a nevertheless flexible core drill
- ▶ Both SILVER-LINE and GOLD-LINE made of high-alloy HSS-XE special steel for extreme hardness at the tooth tips (up to 68 HRC), thus high wear resistance and long service life
- ▶ With five cutting edge geometries specially adapted to the different diameters and cutting depths

Advantages GOLD-LINE

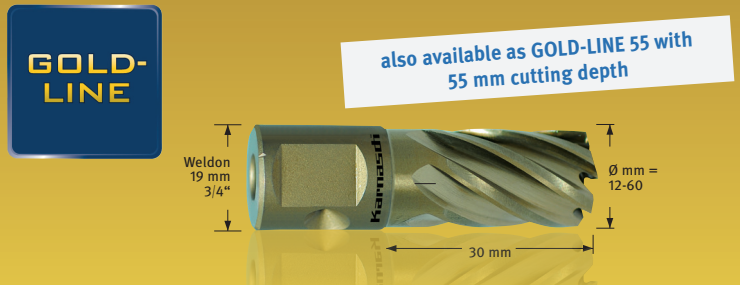
- ▶ Completely ground from the solid material. This fine sanding increases the cutting performance while simultaneously reducing friction, resulting in a longer service life
- ▶ The special Gold-Tech surface treatment further increases the service life

Weldon holder (3/4" + 1/14"): ALFRA, ALFRA ROTA-MAGTRON, BDS, EUROBOOR, EVOLUTION, HOUGEN, MAGTRON, POWERBOR, RUKO, RUKO EASY-LOCK, ROTABROACH, SLUGGER and many more
Almost every core drilling machine in Europe has this holder

Exception: Fine quick-in holder: FINE QUICK-IN
Universal + Weldon: (suitable for all machines as described above for the Weldon holder) and additionally for NITTO machines



Ø mm	38720.1255	Ø mm	38720.1255
12	38720.125512	37	38720.125537
13	38720.125513	38	38720.125538
14	38720.125514	39	38720.125539
15	38720.125515	40	38720.125540
16	38720.125516	41	38720.125541
17	38720.125517	42	38720.125542
18	38720.125518	43	38720.125543
19	38720.125519	44	38720.125544
20	38720.125520	45	38720.125545
21	38720.125521	46	38720.125546
22	38720.125522	47	38720.125547
23	38720.125523	48	38720.125548
24	38720.125524	49	38720.125549
25	38720.125525	50	38720.125550
26	38720.125526	51	38720.125551
27	38720.125527	52	38720.125552
28	38720.125528	53	38720.125553
29	38720.125529	54	38720.125554
30	38720.125530	55	38720.125555
31	38720.125531	56	38720.125556
32	38720.125532	57	38720.125557
33	38720.125533	58	38720.125558
34	38720.125534	59	38720.125559
35	38720.125535	60	38720.125560
36	38720.125536		



Ø mm	38720.1260U	Ø mm	38720.1260U
12	38720.1260U12	34	38720.1260U34
13	38720.1260U13	35	38720.1260U35
13.5	38720.1260U13.5	36	38720.1260U36
14	38720.1260U14	37	38720.1260U37
15	38720.1260U15	38	38720.1260U38
15.5	38720.1260U15.5	39	38720.1260U39
16	38720.1260U16	40	38720.1260U40
17	38720.1260U17	41	38720.1260U41
17.5	38720.1260U17.5	42	38720.1260U42
18	38720.1260U18	43	38720.1260U43
19	38720.1260U19	44	38720.1260U44
19.5	38720.1260U19.5	45	38720.1260U45
20	38720.1260U20	46	38720.1260U46
21	38720.1260U21	47	38720.1260U47
22	38720.1260U22	48	38720.1260U48
23	38720.1260U23	49	38720.1260U49
24	38720.1260U24	50	38720.1260U50
25	38720.1260U25	51	38720.1260U51
26	38720.1260U26	52	38720.1260U52
26.5	38720.1260U26.5	53	38720.1260U53
27	38720.1260U27	54	38720.1260U54
28	38720.1260U28	55	38720.1260U55
29	38720.1260U29	56	38720.1260U56
30	38720.1260U30	57	38720.1260U57
31	38720.1260U31	58	38720.1260U58
32	38720.1260U32	59	38720.1260U59
33	38720.1260U33	60	38720.1260U60

Ejector pin

38720.1261

Ejector pin

38720.1261

SILVER-LINE SET 25

Content	Ø mm 12, 14, 16, 18, 20, 22	38720.1474
+ 2 Ejector pins 6.34 x 77 mm		

GOLD-LINE SET 30

Content	Ø mm 14, 16, 18, 20, 22, 26	38720.1322
+ 2 ejector pins		

Chipmag chip removal device

- ▶ Art no. 3850015
- ▶ For removing magnetic metal chips
- ▶ For cleaning and collecting small magnetic parts

Universal cutting paste

- ▶ Art no. 38760.1157
- ▶ 750 g
- ▶ Paste adheres to the tool, ideal for constrained positions such as "overhead use", for machining work in all types of steel and non-ferrous metals Chlorine-free

Quality core drills from the BLUE-LINE and BLUE-LINE PRO series

- ▶ Hardened in stages. This results in extremely hard tooth tips (68 HRC) and a nevertheless flexible core drill
- ▶ With five cutting edge geometries specially adapted to the different diameters and cutting depths
- ▶ Completely ground from the solid material. This fine sanding increases the cutting performance while simultaneously reducing friction, resulting in a longer service life

- ▶ Unique and patented Durablue coating
- ▶ Extreme surface hardness and smoothness result in extreme service life

BLUE-LINE

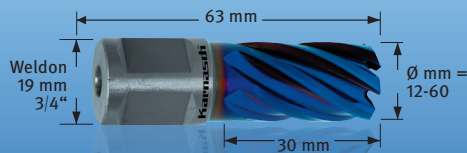
- ▶ Manufactured from high-alloy HSS-XE special steel, for extreme hardness at the tooth tips (up to 68 HRC), thus high wear resistance

BLUE-LINE PRO

- ▶ Manufactured from ASP powder steel for drilling even the most difficult materials such as railway tracks, stainless steels and exotic alloys
- ▶ Can always be used where maximum wear resistance and service life are required



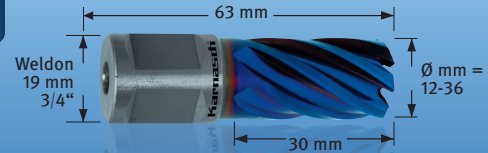
also available as BLUE-LINE 55 with 55 mm cutting depth



Ø mm	38720.1312	Ø mm	38720.1312
12	38720.131212	37	38720.131237
13	38720.131213	38	38720.131238
14	38720.131214	39	38720.131239
15	38720.131215	40	38720.131240
16	38720.131216	41	38720.131241
17	38720.131217	42	38720.131242
18	38720.131218	43	38720.131243
19	38720.131219	44	38720.131244
20	38720.131220	45	38720.131245
21	38720.131221	46	38720.131246
22	38720.131222	47	38720.131247
23	38720.131223	48	38720.131248
24	38720.131224	49	38720.131249
25	38720.131225	50	38720.131250
26	38720.131226	51	38720.131251
27	38720.131227	52	38720.131252
28	38720.131228	53	38720.131253
29	38720.131229	54	38720.131254
30	38720.131230	55	38720.131255
31	38720.131231	56	38720.131256
32	38720.131232	57	38720.131257
33	38720.131233	58	38720.131258
34	38720.131234	59	38720.131259
35	38720.131235	60	38720.131260
36	38720.131236		



Also available as BLUE-LINE PRO 55 with 55 mm cutting depth



Ø mm	38720.1284	Ø mm	38720.1284
12	38720.128412	25	38720.128425
13	38720.128413	26	38720.128426
14	38720.128414	27	38720.128427
15	38720.128415	28	38720.128428
16	38720.128416	29	38720.128429
17	38720.128417	30	38720.128430
18	38720.128418	31	38720.128431
19	38720.128419	32	38720.128432
20	38720.128420	33	38720.128433
21	38720.128421	34	38720.128434
22	38720.128422	35	38720.128435
23	38720.128423	36	38720.128436
24	38720.128424		

Cutting oil spray



It is versatile for drilling, cutting, broaching and milling. It improves chip removal and is suitable for both machine and manual processing.

400 ml

3872100

Special cutting wax



Especially for non-ferrous metals such as aluminium, copper, brass Wax adheres to the tool Ideal for working overhead, for example Chlorine-free

350 g

38760.1200

Ejector pin



38720.1261

BLUE-LINE SET 30



Content	Ø mm	38720.1325
	12, 14, 16, 18, 20, 22	
+ 2 ejector pins		

BLUE-LINE PRO SET 30



Content	Ø mm	38720.1331
	12, 14, 16, 18, 20, 26	
+ 2 ejector pins		

High-performance cutting oil "MECUTOIL 100"



For mixing with water 5% oil = for normal structural steels and all non-ferrous metals, 10% oil = for steels of higher strength, including stainless steels. For the most difficult cutting problems, up to 50% oil can be mixed into the water. Can also be used pure. Ideal oil for all machining work.

For filling, e.g. in Karnasch coolant pressure bottles.

2.5 kg

10 kg

38760.1100025

38760.110010

High-performance cutting spray "MECUTSPRAY"



Propellant-free due to manual pump mechanism. Contents 500 ml. The ideal spray for machining work on all types of steel. + non-ferrous metals Biodegradable according to CEC-L-33-T82

500 ml

38760.1150

KE series - Compact edge deburrer for deburring and preparing weld seams up to 16 mm bevel width

KE 6-2

- ▶ Setting the bevel width without tools
- ▶ For deburring radii and drill holes from 30 mm diameter
- ▶ With 3-fold insert holder
- ▶ Infinitely variable speed

KE 10-2

- ▶ Handy and powerful device
- ▶ Setting the bevel width without tools
- ▶ For deburring radii and drill holes from 30 mm diameter
- ▶ With 6-fold insert holder
- ▶ Infinitely variable speed

KE 16-2

- ▶ Stepless angle adjustment from 0- 60°
- ▶ With 2 x 6-fold insert holder
- ▶ Particularly suitable for weld seam preparation in steel construction

KE 6-2



3-fold indexable insert holder 45°



KE 6-2 with mounted side handle

Scope of delivery:

- › Plastic case
- › 3-fold insert holder 45°
- › Insert set consisting of three 4-fold indexable inserts
- › Tool set
- › Side handle

KE 10-2



6-fold indexable insert holder 45°



KE 10-2 with mounted front handle

Scope of delivery:

- › Plastic case
- › 6-fold insert holder 45°
- › Insert set consisting of 6 indexable inserts
- › Tool set
- › Front handle

KE 16-2



Deburring of pipes possible



KE 16-2 with front mounted front handle

Scope of delivery:

- › Indexable insert holder equipped with inserts
- › 4 adjustable feet
- › Workpiece slide
- › Side handle

Technical data		KE 6-2	KE 10-2	KE 16-2
Art no.		3990007	3990012	3990017
Chamfer angle	°	45° (optional 30)	45 (optional 30 / 37.5)	0 / 15 / 30 / 37.5 / 45 / 60
Chamfer width at 0°	mm	-	-	21
Chamfer width at 15°	mm	-	-	15.7
Chamfer width at 30°	mm	-	0 - 11.7	16.7
Chamfer width at 37.5°	mm	-	0 - 12	17.8
Chamfer width at 45°	mm	0 - 6	0- 11 (stepless)	20
Chamfer width at 60°	mm	-	-	18
Pipe diameter	mm	-	-	150 - 350
Motor power ~50 Hz	kW/V	1.1 / 230	1.8 / 230	1.1 / 230
Speed (infinitely variable)	min ⁻¹	3000 - 6000	2300 - 6500	3000
Weight approx.	kg	4.7	6.5	20.1

Accessory



Accessories KE 6-2

	Art. no.
1 Indexable insert holder 30°	3990020
2 Indexable insert holder 45°	3990021
3 Indexable insert set / PU 10	3990022
4 Guide roller 45°	3990023
5 Guide roller 30°	3990024



Accessories KE 10-2

	Art. no.
6 Indexable insert set / PU 6	3991110
7 Indexable insert holder 45°	3991111
8 Insert holder 30°	3991112
9 Indexable insert holder 37.5°	3991113

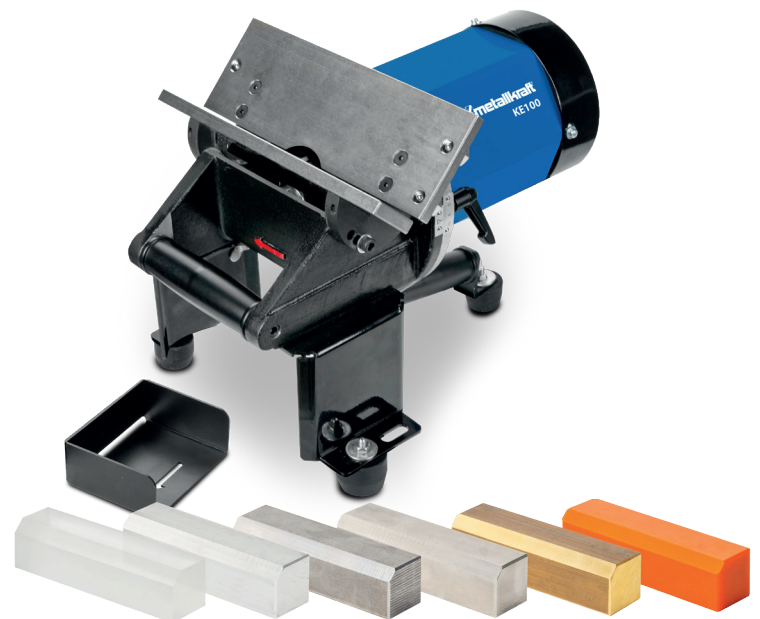


Accessories KE 16-2

	Art. no.
10 Indexable insert holder	3991605
11 Indexable insert set / PU 12	3991606

KE 100 - Edge deburrer for external edges, mobile and stationary use

- ▶ For creating clean visible edges and for weld seam preparation
- ▶ Stationary or mobile device
- ▶ Quick and easy change from stationary to mobile use thanks to wing screws and removable stand
- ▶ Tool-free adjustment of the bevel width
- ▶ Standard angle settings at 15°, 30° and 45°
- ▶ For processing structural steel and non-ferrous metals
- ▶ Functional arrangement of the handles enables the device to be guided safely during mobile operation
- ▶ Guide plate equipped with adjustable balls for easy movement of the workpiece
- ▶ Automatic safety switch-off in the event of overheating



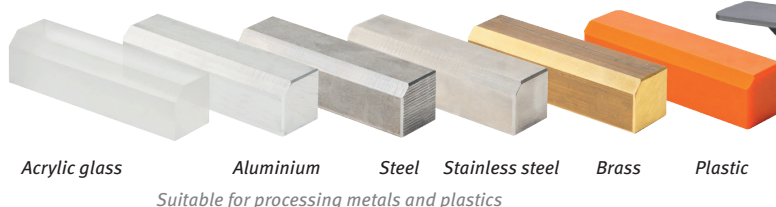
Technical data		KE 100
Art no.		3992000
Chamfer angle	°	15/30/45
Chamfer width at 15° approx.	mm	5
Chamfer width at 30° approx.	mm	6
Chamfer width at 45° approx.	mm	7
Speed (infinitely variable)	min ⁻¹	2000 - 5000
Motor power ~50 Hz	V	750 W / 230 V
Dimensions (L x W x H) approx.	mm	360 x 230 x 280
Weight approx.	kg	9

- Scope of delivery:**
- › Indexable insert holder equipped with inserts
 - › 3 oscillating elements
 - › Workpiece slide
 - › Side handle

Accessory		Art. no.
1	Insert holder	3992005
	Indexable insert set	3992006
	Cutting insert set for stainless steel	3992007

KE 150 - Stationary edge deburrer for the production of clean visible edges and for weld seam preparation

- ▶ Processing of various materials such as steel or aluminium
- ▶ With stepless angle adjustment and locking points for 15°, 30° and 45°
- ▶ Manual height adjustment of the milling cutter via handwheel
- ▶ Setting the bevel depth via a scale



- Scope of delivery:**
- › 5 straight inserts

Technical data		KE 150
Art no.		3992150
Chamfer angle	°	15 / 30 / 45
Bevel width at 15°	mm	1.4 – 5.2
Bevel width at 30°	mm	3.3 – 5.8
Bevel width at 45°	mm	0 – 7
Speed	min ⁻¹	2860
Motor power ~50 Hz	V	1.1 / 230
Dimensions (L x W x H) approx.	mm	500 x 545 x 450
Weight approx.	kg	48



Accessory		PU	Art. no.
1	Insert holder		3992005
	Indexable insert set, straight	10	3992160
	Indexable insert set, radius 5 mm	10	3992161
	Indexable insert set, radius 3 mm	10	3992162
	Cutting insert set for stainless steel		3992007

SM 100 - Satin finish machine for sanding, polishing, satin finishing, structuring as well as for cleaning dirty surfaces or removing paint residues

- ▶ For machining stainless steels, cast iron, non-ferrous metals, plastics, etc.
- ▶ Powerful motor with soft start and overload protection
- ▶ With constant electronics for constant speed even under load
- ▶ Speeds can be continuously adjusted using the rotary control on the rubberised handle
- ▶ Very robust gearbox housing made of die-cast aluminium



Scope of delivery

Scope of delivery:

- › Plastic case
- › Rubber air roller
- › Air pump for rubber air roller
- › Coarse fleece abrasive sleeve (Ø 90 x 100 mm)
- › Abrasive sleeve K 60 (100 x 292 mm)
- › Abrasive sleeve K 100 (100 x 292 mm)
- › Abrasive sleeve K 180 (100 x 292 mm)
- › Drive roller for grinding belts
- › Velcro fleece (40 x 60 mm)
- › Velcro grinding belt K 120 (40 x 600 mm)
- › Velcro drive belt (30 x 700 mm)
- › Fleece roller fine (105 x 100 x 19 mm)
- › Spacer ring set 10-piece (40 x 19 x 5 mm)

Sanding belts and further accessories can be found in the Metalkraft catalogue

Technical data		SM 100
Art no.		3990100
Tool diameter max.	mm	105
Tool width min./max.	mm	50 / 100
Shaft mounting	mm	Ø 19
Idle speed	min ⁻¹	1000 – 2400
Motor power ~50 Hz	kW/V	1.2 / 230
Weight approx.	kg	4.8



▶ Satin finishing of flat material



▶ Satin finishing of round steel with Velcro fleece, even with already installed stainless steel railings, for example



▶ Easy fixing of the abrasive sleeves by inflating the rubber air roller

RSM 760 - Pipe sander handy and flexible in use for sanding, polishing and satinising work

- ▶ Designed for sanding and polishing tubular structures such as railings
- ▶ For working in confined spaces
- ▶ Handle can be rotated through 180° and three different positions
- ▶ Powerful motor with soft start and overload protection
- ▶ With constant electronics for constant belt speed even under load
- ▶ With infinitely variable adjustment of the belt speed
- ▶ Simple, tool-free grinding belt change
- ▶ 360° peripheral sanding takes place in just two work steps
- ▶ High-quality 270° sanding arm made of light metal with 2 deflection rollers



Scope of delivery

Scope of delivery:

- › Plastic case
- › Coarse grinding fleece (40 x 760 mm)
- › 5 pcs. grinding belt K 120
- › 5 pcs. grinding belt K 220

Sanding belts and further accessories can be found in the Metalkraft catalogue

Technical data		RSM 760
Art no.		3990760
Belt length max.	mm	760
Belt width	mm	40
Pipe Ø min.	mm	15
Pipe Ø max.	mm	180
Belt speed	m/sec	3 – 12
Idle speed	min ⁻¹	1600 – 3200
Motor power ~50 Hz	kW/V	1.2 / 230
Weight approx.	kg	3.4



▶ Handle can be screwed in at various positions for ergonomic working



▶ Only two work steps necessary for 360° peripheral sanding



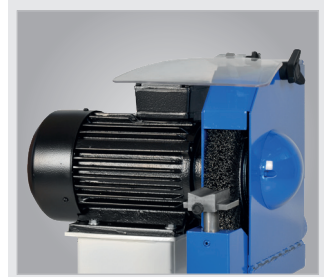
▶ Particularly suitable for use in railing construction

BEG 250 / BEG 250 S - Brush deburring units, S version with suction unit



- ▶ With crimped round brush as standard (250 x 40 x 24 mm with wire Ø 0.5 mm) for steel processing
- ▶ With adjustable prism workpiece support

- ▶ Large viewing window to protect against sparks and flying chips
- ▶ S version with suction unit with separate motor and filter bag



▶ Large privacy screen



▶ With adjustable prism workpiece support



BEG 250

Emergency stop switch operated by foot



BEG 250 S

Filter bag included in the scope of delivery (BEG 250 S)

Technical data		BEG 250	BEG 250 S
Art no.		3730250	3730251
Brush dimensions	mm	Ø 250 x 40	Ø 250 x 40
Bore Brush	mm	Ø 24	Ø 24
Brush speed	min ⁻¹	3000	3000
Suction capacity	m ³ /min.	-	8.5
Drive motor power~50 Hz	kW/V	2.2 / 400	2.2 / 400
Dimensions (L x W x H) approx.	mm	420 x 500 x 1120	440 x 600 x 1120
Weight approx.	kg	50	60

Round brushes 250 x 40 mm:	Art. no.
Wire Ø 0.2 mm for steel	3730260
Wire Ø 0.3 mm for steel	3730261
Wire Ø 0.2 mm for stainless steel	3730264
Wire Ø 0.3 mm for stainless steel	3730265
Filter bag (only for BEG 250 S)	3722150

DS series – Heavy-duty, durable grinders in industrial design

- ▶ Maintenance-free motor for reliable operation
- ▶ Robust cast iron housing
- ▶ Balanced rotor with high-quality ball bearings for a long service life and smooth running
- ▶ Integrated spark guard on the grinding discs reduces flying sparks
- ▶ Protective discs made of shatterproof material for additional safety
- ▶ Non-slip and vibration-absorbing rubber feet for a stable stand
- ▶ Standard equipment with coarse and fine grinding discs (grit 36 and 80)
- ▶ LED lighting above the grinding discs for optimum visibility in the work area
- ▶ Stable and flexibly adjustable workpiece supports for precise work

LED LIGHTING
on both sides



MAGNIFYING GLASS
in the protective disc

STABLE WORKPIECE SUPPORT

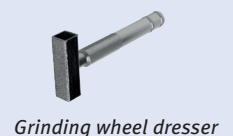
DS 300

Scope of delivery:

- > Two grinding discs with K36 and K80
- > Batteries 1.5 V (for LED lamps)

Technical data		DS 175	DS 200	DS 250	DS 300
Art no.		3901175	3901203	3901253	3901303
Grinding disc outer Ø	mm	175	200	250	300
Grinding disc width	mm	25	32	32	50
Grinding wheel bore	mm	32	32	32	75
Speed	min ⁻¹	2980	2980	1480	1480
Motor power ~50 Hz	kW/V	0.5 / 230	1 / 400	1.5 / 400	2.2 / 400
Dimensions (L x W x H) approx.	mm	442 x 228 x 294	501 x 251 x 312	519 x 303 x 391	667 x 383 x 447
Weight approx.	kg	18	27.8	33	75.5

Article	Art. no.	DS 175 3901175	DS 200 3901203	DS 250 3901253	DS 300 3901303
Machine bases					
Machine base with GU 1 extraction unit (230 V)	3912110	●	–	–	–
Machine base with GU 1 extraction unit (400 V)	3912109	–	●	●	–
Machine base GU 3	3912118	●	●	●	–
Machine base GU 4	3912119	–	–	–	●
Universal base GU 5	3912114	–	–	–	●
Vario conversions with machine substructure					
Vario conversion with GU 1 machine base with extraction – 1.5 kW	3911530	–	●	●	–
Vario conversion with GU 3 - 1.5 kW machine base	3911531	–	●	●	–
Vario conversion with GU 4 machine base	3911550	–	–	–	●
Vario conversion with GU 5 machine base with extraction	3911552	–	–	–	●
Emergency stop devices					
Emergency stop device for bench grinders (requires base unit)	3912070	–	●	●	●
Emergency stop device for GU 1 (400 V) incl. assembly and base with extraction	3912071	–	●	●	●
Emergency stop device for GU 3 incl. assembly and base	3912072	●	●	●	–
Emergency stop device for GU 4 incl. assembly and base	3912073	–	–	–	●
Emergency stop device for GU 5 incl. assembly and base with extraction	3912074	–	–	–	●
Grinding wheel					
K36 175x25x32 mm	3912317	●	–	–	–
K80 175x25x32 mm	3912318	●	–	–	–
K36 200x32x32 mm	3912320	–	●	–	–
K80 200x32x32 mm	3912321	–	●	–	–
K36 250x32x32 mm	3912325	–	–	●	–
K80 250x32x32 mm	3912326	–	–	●	–
K36 300x50x75 mm	3912330	–	–	–	●
K80 300x50x75 mm	3912331	–	–	–	●
Accessories					
Wall holder	3912050	●	●	●	–
Flexible suction pipe, 2-piece	3912111	●	●	●	●
Diamond grinding wheel dresser	3912821	●	●	●	●



Machine base – without extraction

GU 3

- ▶ Coolant tray
- ▶ Small footprint
- ▶ Dimensions approx. 320 x 270 x 825 mm
- ▶ Weight: 14.5 kg



GU 3	
Article no.	3912118

GU 4

- ▶ Coolant tray
- ▶ Small footprint
- ▶ Dimensions approx. 500 x 420 x 770 mm
- ▶ Weight: 30 kg

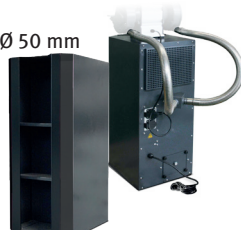


GU 4	
Article no.	3912119

Machine base – with cyclone extraction

GU 1

- ▶ Noise-insulated
- ▶ Boreholes must be drilled individually
- ▶ Y-adapter for extraction connection each with \varnothing 50 mm
- ▶ Motor power 1.3 kW, 230 V or 400 V
- ▶ Dimensions approx. 550 x 340 x 890 mm



GU 1	230V	400V
Article no.	3912110	3912109

GU 5

- ▶ Y-adapter for two-tube extraction connection
- ▶ External 230 V permanent power supply
- ▶ Motor power 4 kW, 400 V
- ▶ Dimensions approx. 525 x 440 x 815 mm



GU 5	
Article no.	3912114

Machine base – with Vario conversion

Vario drive with **SIEMENS** “Sinamics V20” inverter enables the speed of the grinder to be controlled

Machine bases – with integrated Vario drive, without extraction

GU 3

- ▶ Coolant tray
- ▶ Dimensions approx. 320 x 270 x 820 mm



GU 3	
Article no.	3911531

Fig. GU 3 base with optional Plexiglas cover
Note: The extraction unit requires a 0 conductor in the 400 V version

GU 4

- ▶ Coolant tray
- ▶ Dimensions approx. 500 x 420 x 770 mm



GU 4	
Article no.	3911550

Machine bases – with integrated Vario drive and cyclone extraction

- ▶ Cyclone extraction unit integrated in machine base, consequently less space required
- ▶ With automatic switch-on: There is no need to switch the extractor on and off, as the extractor is automatically switched on with a delay of

2-3 seconds when the machine is switched on or off. The residual dust is extracted after switching off the machine in line with the Hazardous Materials Ordinance

GU 1

- ▶ Lamp holder for LED 3-500
- ▶ Dimensions approx. 477 x 340 x 805 mm



GU 1	
Article no.	3911530

GU 5

- ▶ Coolant tray
- ▶ Dimensions approx. 500 x 744 x 770 mm



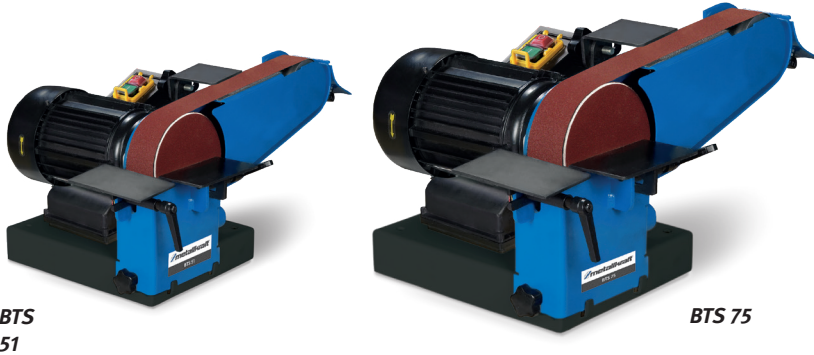
GU 5	
Article no.	3911552

BTS series – Belt and disc sander with swiveling sanding arm

- ▶ Manually adjustable grinding belt tension
- ▶ Fine adjustment for parallel belt tracking
- ▶ Two swivelling support tables with clamping levers
- ▶ Powerful motor

- ▶ With suction nozzle as standard on the spark box
- ▶ Can be fixed to a workbench

- ▶ Grinding belt change in seconds due to simple operation



BTS
51

BTS 75

Technical data		BTS 51 SET	BTS 75
Art no.		3700051SET	3700075
Grinding belt dimensions	mm	1,000 x 50	1,000 x 75
Grinding disc Ø	mm	150	150
Belt speed	m/sec	22	22
Contact wheel / drive wheel Ø	mm	75 / 152	75 x 150
Suction nozzle Ø	mm	38	38
Motor power	W	750	1100
Electrical connection ~50 Hz	V	230	230
Dimensions (L x W x H) approx.	mm	375 x 230 x 620	520 x 410 x 320
Weight approx.	kg	20	30

Scope of delivery BTS 51 SET

- 10 Grinding belts K 80
- 10 Grinding belts K 100
- 10 sanding discs K 80
- 10 sanding discs K 100

Scope of delivery BTS 75

- Grinding belt 1000 x 75 mm K80
- Grinding sheet Ø 150 mm, K80, non-stick
- Velcro pad Ø 150 mm
- 10 sanding discs K 100

Graphite overlay	Art. no.	PU
for BTS 51	3721001	10
for BTS 75	3721002	10
Sanding belt BTS 51		
1000 x 50 mm K40	3721004	10
1000 x 50 mm K60	3721006	10
1000 x 50 mm K80	3721008	10
1000 x 50 mm K100	3721010	10
Sanding belt BTS 75		
1000 x 75 mm K40	3721020	10
1000 x 75 mm K60	3721021	10
1000 x 75 mm K80	3721022	10
1000 x 75 mm K100	3721023	10
Velcro sanding disc		
Ø 150 mm support	5911001	
Ø 150 mm K40	5911504	10
Ø 150 mm K60	5911506	10
Ø 150 mm K80	5911508	10
Ø 150 mm K100	5911510	10
Ø 150 mm K120	5911512	10
Ø 150 mm K150	5911515	10
Ø 150 mm K180	5911518	10

AS 1400 / AS 1601 – Effective metal extraction systems

AS 1400

- ▶ Quick and easy filter change
- ▶ Large collection container with quick access via drawer

AS 1601

- ▶ Quick and easy filter change
- ▶ With dust bag
- ▶ Large collection container



AS 1400



AS 1601

Technical data		AS 1400	AS 1601
Art no.		3922011	3922006
Extraction port	mm	2 x Ø 75	2 x Ø 100
Suction capacity without dust bag/hoses	m³/h	700	1100
Motor power ~50 Hz	kW	550 / 230	0.75 / 400
Dimensions without dust bag (L x W x H approx.)	mm	920 x 590 x 850	560 x 840 x 1180
Weight approx.	kg	58	36

Scope of delivery AS 1400

- 4 x hose clamps Ø 70 – 90 mm
- Suction hose Ø 75 mm, 1 m length
- Suction hose Ø 75 mm, 2 m length

Scope of delivery AS 1601

- Dust collection bag
- 4 x hose clamps Ø 100- 120 mm
- Suction hose Ø 100 mm, 1 m length
- Suction hose Ø 100 mm, 2 m length

Accessories AS 1400	Art. no.
Replacement filter	3922014
Accessories AS 1601	Art. no.
Dust collection bag	3922002

MBSM 75-200-1 V

Vertical metal belt sander for grinding and rounding

- ▶ Particularly space-saving thanks to vertical design
- ▶ With powerful motor for high sanding performance
- ▶ Virtually vibration-free operation for optimum grinding results
- ▶ Can be used with and without suction
- ▶ Simple adjustment of the belt tracking via adjusting screw
- ▶ Automatic retensioning of the grinding belt using a spring-loaded belt tensioning system
- ▶ Protective windscreen can be folded away

Model		MBSM 75-200-1 V
Art no.		3925070
Grinding width max.	mm	75
Sanding belt (L x W)	mm	2000 x 75
Belt circulation speed		26
Drive wheel Ø / contact wheel Ø x B		180 / 102
Extraction duct nominal width outside	mm	76
Drive motor power	kW / V	1.1
Electrical connection ~50 Hz	min ⁻¹	230
Dimensions (L x W x H) approx.	mm	420 x 330 x 1080
Weight approx.	kg	45



Accessory	Art. no.	PU
Fabric grinding belt 75 x 2000 mm		
Field of application		Universal metal, non-ferrous metals, aluminium
K40	3722004	10
K60	3722006	10
K80	3722008	10
K120	3722009	10

Grinding belt with fabric backing for extremely localised loads

Field of application	Cast aluminium, stainless steel, steel	
K40	3722022	10
K60	3722006	10
K80	3722024	10
K120	3722026	10

Fabric grinding belt set

Field of application	Cast aluminium, stainless steel, steel	
Scope of delivery	4 pcs with K25 3 pcs with K40 3 pcs with K60	
2000 x 75 mm	3722001	

Fabric grinding belt set

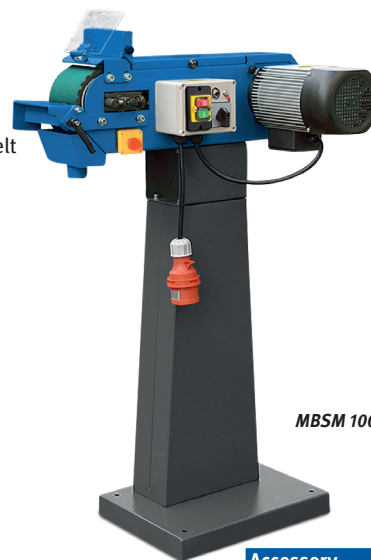
Field of application	Stainless steel, steel, metal universal	
Scope of delivery	3 pcs with K40 4 pcs with K80 3 pcs with K120	
2000 x 75 mm	3722000	

Contact wheel

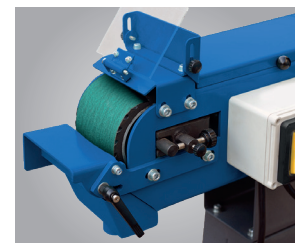
Ø102 x 75 mm	3925080
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MBSM 100-140 – Metal belt grinder with grinding belt width 100 mm

- ▶ Powerful motor and vibration-free operation for the best grinding results
- ▶ Quick grinding belt change in seconds thanks to quick clamping system
- ▶ Automatic retensioning of the grinding belt thanks to spring-supported belt tensioning system
- ▶ Large surface grinding area thanks to fold-away upper grinding belt cover
- ▶ Simple adjustment of the belt tracking via adjusting screw, on the front contact roller
- ▶ Continuous flat sanding surface after removal of attachments enables the sanding of long workpieces
- ▶ Can be used with and without suction
- ▶ One suction nozzle each on the spark box and on the rear belt roller
- ▶ Protective windscreen can be folded away
- ▶ Can be used as a tabletop model and, with the optional substructure also as a floor model
- ▶ **MBSM 100-140-2** with two belt speeds for sanding steel and stainless steel



MBSM 100-140-2



▶ Simple belt tracking adjustment

Scope of delivery

- › Machine substructure
- › Grinding belt K80
- › Operating tool

Technical data		MBSM 100-140-1	MBSM 100-140-2
Art no.		3923141SET	3923142SET
Graphite overlay (L x W)	mm	285 x 100	285 x 100
Grinding width max.	mm	100	100
Sanding belt (L x W)	mm	1220 x 100	1220 x 100
Belt circulation speed	m/s	20	10 / 20
Drive wheel Ø / contact wheel Ø x B	mm	140 / 130 x 100	140 / 130 x 100
Extraction duct nominal width outside	mm	2 x 75	2 x 75
Drive motor power	kW	1.5	1 / 1.5
Electrical connection ~50 Hz	V	230	400
Dimensions (L x W x H) approx.	mm	640 x 450 x 420	640 x 450 x 420
Weight approx.	kg	39	39

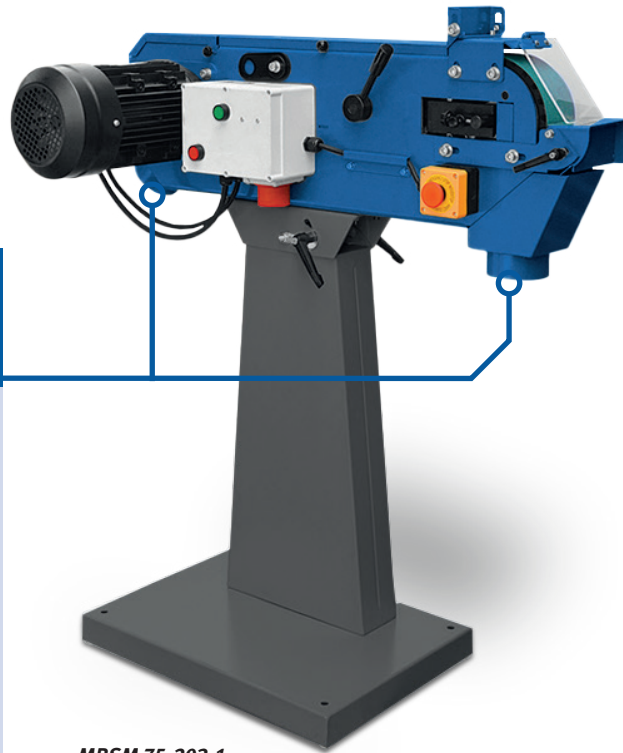
Accessory	Art. no.
Contact wheel	3924020
Graphite overlay	3924025

Accessories 100 x 1220 mm	Art. no.	PU
Grinding belts 100 x 1220 mm		
K40	3726040	10
K60	3726060	10
K80	3726080	10
K120	3726120	10
Standard set 100 x 1220	3726000	1
<i>consist of: 3x K40, 4x K80, 3x K120</i>		
Grinding belts 100 x 1220 mm for extreme point loads		
K40	3727040	10
K60	3727060	10
K80	3727080	10
K100	3727120	10
Fabric set 100 x 1220	3726001	1
<i>consist of: 3x K40, 4x K80, 3x K120</i>		

MBSM series

Belt grinder with grinding belt width 75 mm or 150 mm

- ▶ Powerful motor and vibration-free operation for the best grinding results
- ▶ One suction nozzle (100 mm) each directly on the spark box and on the rear belt roller
- ▶ Can be used with and without suction
- ▶ Simple adjustment of the belt tracking via adjusting screw, on the front contact roller
- ▶ Automatic retensioning of the grinding belt thanks to spring-supported belt tensoning system
- ▶ Infinitely tiltable grinding unit
- ▶ Fold-away protective disc



MBSM 75-203-1

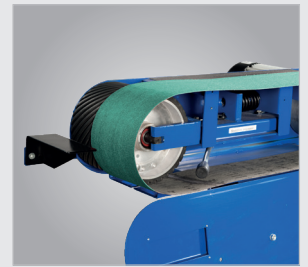
SUCTION POSSIBLE!

You will find suitable extraction systems on page MK 20

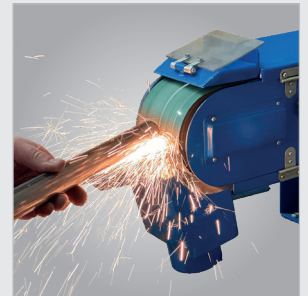


Technical data	AS 1400
Art no.	3922011
Technical data	AS 1601
Art no.	3922006

Scope of delivery
 • Grinding belt K80



Quick grinding belt change thanks to quick clamping system



Editing and rounding of edges



Surface sanding table with sanding belt

Model		MBSM 75-201-1	MBSM 75-203-1	MBSM 75-203-2	MBSM 75-240-2	MBSM 150-203-2	MBSM 150-240-2
Art no.		3925271	3925272	3925273	3923273	3925315	3923315
Sanding unit							
Grinding width max.	mm	75	75	75	75	150	150
Grinding belt length	mm	2000	2000	2000	2000	2000	2000
Sanding belt width	mm	75	75	75	75	150	150
Belt circulation speeds	m/s	30	30	15/30	18/36	15/30	18/36
Drive wheel diameter	mm	200	200	200	240	200	240
Contact wheel diameter	mm	200	200	200	200	200	200
Extraction duct nominal width outside	mm	2 x 100	2 x 100	2 x 100	2 x 100	2 x 100	2 x 100
Emission sound pressure level at the workplace Lp (idling without extraction)	dB(A)	87	87	87	87	87	87
Drive motor power	kW	3.3	3.3	2.5 / 3.3	3.0 / 4.0	2.5 / 3.3	3.0 / 4.0
Protection class		IP 54	IP 54	IP 54	IP 43	IP 54	IP 43
Connection voltage ~50Hz	V	230	400	400	400	400	400
Length dimensions approx.	mm	980	980	980	1150	955	1150
Dimensions Width approx.	mm	460	460	460	500	530	570
Dimensions Height approx.	mm	1100	1100	1100	1000	1025	1000
Weight approx.	kg	83	83	83	82	99	98

MBSM AS series

Belt grinders with grinding belt width 75 mm or 150 mm and integrated extraction

- ▶ Powerful motor and vibration-free operation for the best grinding results
- ▶ One suction nozzle directly on the spark box and on the rear belt roller
- ▶ Simple adjustment of the belt tracking via adjusting screw, on the front contact roller
- ▶ Automatic retensioning of the grinding belt thanks to spring-supported belt tensoning system
- ▶ Infinitely tiltable grinding unit
- ▶ Fold-away protective disc



INTEGRATED SUCTION
with polyester filter bag

MBSM 75-203-2 AS

Scope of delivery

- Grinding belt K80
- Filter bag
- 2x aluminium suction hose Ø 100 mm

Model		MBSM 75-203-2 AS	MBSM 75-240-2 AS	MBSM 150-203-2 AS	MBSM 150-240-2 AS
Art no.		3925274	3923274	3925316	3923316
Sanding unit					
Grinding width max.	mm	75	75	150	150
Grinding belt length	mm	2000	2000	2000	2000
Sanding belt width	mm	75	75	150	150
Belt circulation speeds	m/s	15/30	18/36	15/30	18/36
Drive wheel diameter	mm	200	240	200	240
Contact wheel diameter	mm	200	200	200	200
Extraction duct nominal width outside	mm	2 x 100	2 x 100	2 x 100	2 x 100
Emission sound pressure level at the workplace Lp (idling without extraction)	dB(A)	87	87	87	87
Drive motor power	kW	2.5 / 3.3	3.0 / 4.0	2.5 / 3.3	3.0 / 4.0
Motor power Extraction	kW	0.37	0.37	0.37	0.37
Protection class		IP 54	IP 54	IP 54	IP 54
Connection voltage ~50Hz	V	400	400	400	400
Mains frequency	Hz	50	50	50	50
Length dimensions approx.	mm	980	1000	955	1010
Dimensions Width approx.	mm	460	470	530	560
Dimensions Height approx.	mm	1100	1140	1025	1140
Weight approx.	kg	98	97	114	113



Accessories 75 x 2000 mm	Art. no.	PU
Grinding belts 75 x 2000 mm		
K40	3722004	10
K60	3722006	10
K80	3722008	10
K120	3722009	10
Standard set 75 x 2000	3722000	1

consist of: 3x K40, 4x K80, 3x K120

Accessories 75 x 2000 mm	Art. no.	PU
Grinding belts 75 x 2000 mm for extreme point loads		
K24	3722022	10
K36	3722023	10
K40	3722024	10
K60	3722026	10
Fabric set 75 x 2000	3722001	1

consist of: 4x K24, 3x K40, 3x K60

Accessories 150 x 2000 mm	Art. no.	PU
Grinding belts 150 x 2000 mm		
K40	3722014	10
K60	3722016	10
K80	3722018	10
K120	3722019	10
Standard set 150 x 2000	150.00	1

consist of: 3x K40, 4x K80, 3x K120

Accessories 150 x 2000 mm	Art. no.	PU
Grinding belts 150 x 2000 mm for extreme point loads		
K24	3723022	10
K36	3723023	10
K40	3723024	10
K60	3723026	10
Fabric set 150 x 2000	3722011	1

consist of: 4x K24, 3x K40, 3x K60

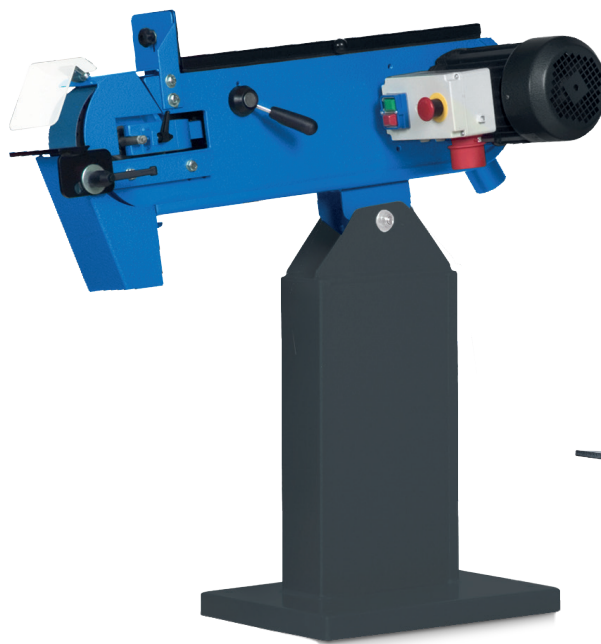
MBSM series

Heavy belt grinders with 75 mm or 150 mm grinding belt width – AS models with integrated extraction system

- ▶ Metal belt sanders for sanding of surfaces, edges and for rounding
- ▶ Powerful motors with vibration-free running to achieve the best grinding results
- ▶ With fold-away protective disc
- ▶ Quick sanding belt change in seconds thanks to quick clamping system and without opening the housing
- ▶ With 2 suction nozzles - one directly on the spark box and one on the rear roller
- ▶ Continuous sanding surface
- ▶ Simple, tool-free adjustment of the belt tracking via adjusting screw on the front contact roller
- ▶ With motor brake, adjustable working height, protective disc, angle stop and motor protection switch as standard
- ▶ Infinitely tiltable grinding unit

MBSM 75-20 AS and MBSM 150-20 AS

- ▶ 2 suction nozzles with hose and integrated suction unit



MBSM 75-20



MBSM 150-20 AS



INTEGRATED SUCTION
with polyester filter bag

Accessories	Art. no.
Filter bag (for MBSM 75-20 AS / MBSM 150-20 AS)	3722150

Scope of delivery
<ul style="list-style-type: none"> • Grinding belt K60 MBSM 75-20 AS / 150-20 AS additionally: <ul style="list-style-type: none"> • Filter bag • Two suction hoses

Technical data		MBSM 75-20	MBSM 75-20 AS	MBSM 150-20	MBSM 150-20 AS
Art no.		3712075	3712076	3712150	3712151
Integrated suction		No	Yes	No	Yes
Sanding width	mm	75	75	150	150
Sanding belt (L x W)	mm	75 x 2,000	75 x 2,000	150 x 2,000	150 x 2,000
Belt circulation speed	m/s	30	30	30	30
Drive wheel Ø / contact wheel Ø x B	mm	200 / 200 x 75	200 / 200 x 75	200 / 200 x 150	200 / 200 x 150
Extraction duct nominal width outside	mm	60	60	60	60
Motor power ~50 Hz	kW/V	3.0 / 400	3.0 / 400	3.6 / 400	3.6 / 400
Dimensions (L x W x H) approx.	mm	490 x 995 x 1025	490 x 995 x 1025	527 x 995 x 1025	527 x 995 x 1025
Weight approx.	kg	85	111	114	140

KRBS 101 – Innovative, multifunctional combination grinder for grinding round and square tubes and flat steel on the front, surface grinding on the top and deburring on the rear

KRBS 101 AS – Additionally with integrated extraction system

- ▶ For deburring with practical workpiece support and spark box
- ▶ Convenient operation thanks to easily adjustable clamping device
- ▶ The rotating clamping jaws of the clamping device enable square pipes, round tubes and flat steel to be clamped securely
- ▶ Adjustable grinding angle from 30 - 90° and from 0° - 60°
- ▶ Thanks to the optimised quick-change bracket the front contact roller can be easily and quickly exchanged without tools
- ▶ Particularly durable thanks to larger and improved roller bearings
- ▶ Practical grinding roller holders integrated in the base unit
- ▶ Extensive range of contact rollers for various pipe diameters available as accessories
- ▶ Quick changeover between pipe grinding and belt grinding possible
- ▶ Powerful motor
- ▶ Almost all settings can be made without tools (operating tool included)
- ▶ Large, hinged protective windscreen with optimum field of vision
- ▶ Two belt speeds for optimum adaptation to the respective material (15 m/s ideal for stainless steel and aluminium, 30 m/s perfect for steel)
- ▶ With two easily removable spark boxes

KRBS 101 AS

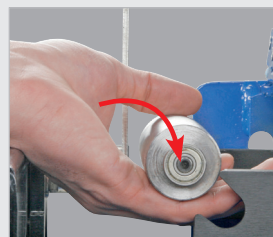
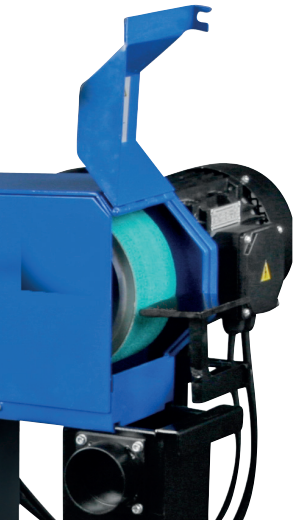
- ▶ Integrated suction



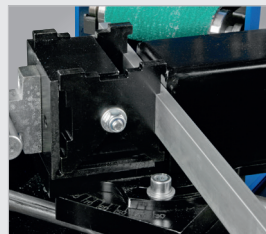
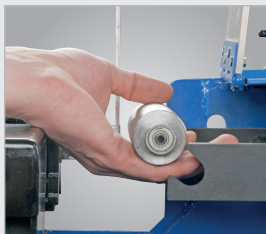
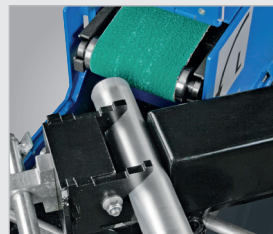
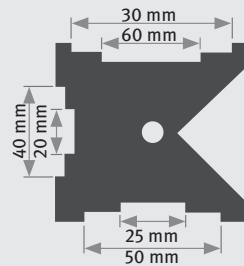
KRBS 101 AS

Fig. shows rear side for deburring with practical workpiece support and spark box

Technical data	KRBS 101
Art no.	3921001
Technical data	KRBS 101 AS
Art no.	3921005



- The rotating clamping jaws of the clamping device enable square tubes, round tubes and flat steel to be clamped securely



Accessories	Art. no.
Roller for 3/8" (17.2 mm) pipe	3723050
Roller for 1/2" (21.3 mm) pipe	3723051
Roller for 22 mm pipe	3723052
Roller for 3/4" (26.9 mm) pipe	3723053
Roller for 28 mm pipe	3723054
Roller for 1" (33.7 mm) pipe	3723055
Roller for 34 mm pipe	3723056
Roller for 1 1/4" (42.4 mm) pipe	3723057
Roller for 44 mm pipe	3723058
Roller for 42 mm pipe	3723065
Roller for 1 1/2" (48.3 mm) pipe	3723059
Roller for 50 mm pipe	3723060
Roller for 2" (60.3 mm) pipe	3723061
Roller for 62 mm pipe	3723062
Roller for 2 1/2" (76.1 mm) pipe	3723063
Roller for 78 mm pipe	3723064
Filter bag	3924040

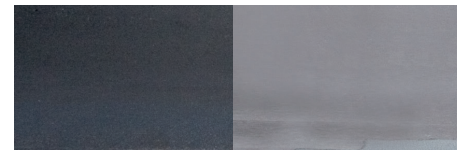
Technical data		KRBS
Sanding width	mm	20 – 78
Sanding angle	°	30 – 90 / 0 – 60
Sanding belt (L x B)	mm	2000 x 100
Belt circulation speed	m/s	15 / 30
Nominal size of suction nozzle outside/inside	mm	2 x 74 2 x 70
Motor power	kW	2.5 / 3.3
Electrical connection ~50 Hz	V	400
Dimensions (L x W x H) approx.	mm	1250 x 750 x 1140
Weight approx.	kg	159

Grinding belt 2000 x 100 mm	Art. no.	PU
Aluminium grinding		
K40	3724740	10
K60	3724760	10
K100	3724710	10
K120	3724712	10
Stainless steel/unalloyed steel		
K40	3724840	10
K60	3724860	10
K100	3724810	10
K120	3724812	10

Scope of delivery
• Standard sanding belt grain K 40 for steel and stainless steel
• 2x spark boxes
• Operating tool
• Sanding roll Ø 42 mm
• 1x filter bag (for AS)

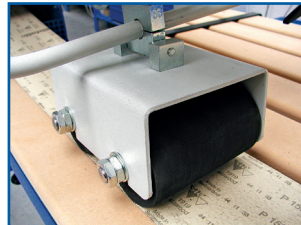
MBSM ESE series - The long belt sanders with swivelling sanding unit for surface and edge sanding of long workpieces

- ▶ For use in the metalworking industry for sanding, structuring and polishing tasks, especially in the stainless steel sector
- ▶ 225 mm balanced belt rollers ensure optimum and low-vibration drive
- ▶ Infinitely variable belt speed from 4.5 - 27 m/s through frequency inverter
- ▶ with electrical table height adjustment
- ▶ With split table that can be folded out, drawer grinding and integrated work table lighting
- ▶ Smooth-running grinding table even under load
- ▶ Simple adjustment of the grinding belt
- ▶ Profile roller sanding pad, resulting in less tarnishing during the sanding process
- ▶ Right-left rotation as standard

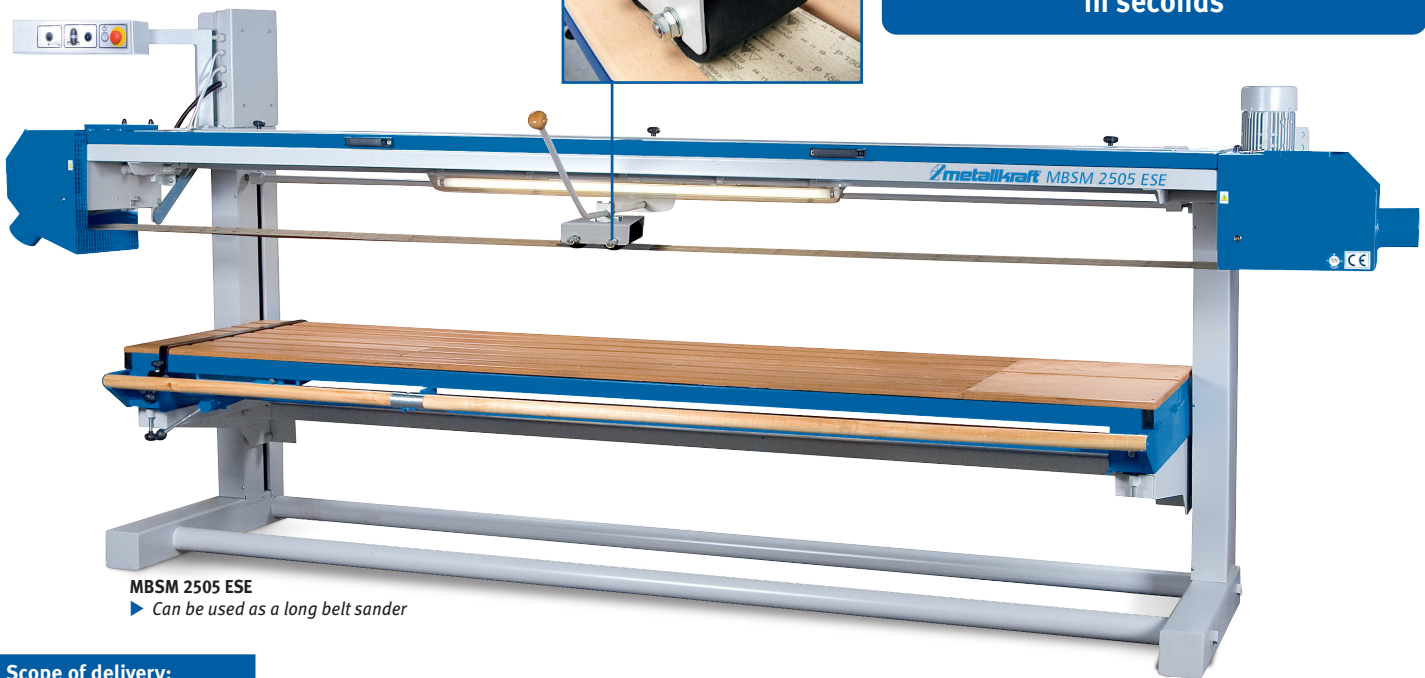


▶ Fig.: Stainless steel raw, right sanded with MBSM 2505 ESE, sanding belt K 120 used for surface structuring

- ➔ Infinitely variable belt speed
- ➔ Simple adjustment of the grinding belt
- ➔ Right-left rotation as standard



Tool-free conversion from long belt to edge sanding machine in seconds



MBSM 2505 ESE
▶ Can be used as a long belt sander

Scope of delivery:

Incl. 10 sanding belts K120 for steel & stainless steel

Technical data		MBSM 1505 ESE	MBSM 2505 ESE	MBSM 3005 ESE
Art no.		3704015	3704025	3704030
Work table (L x W)	mm	1500 x 800	2500 x 800	3000 x 800
Work table height adjustment	mm	540	540	540
Work table cross stroke	mm	700	700	700
Sanding belt (L x W)	mm	5020 x 150	7000 x 150	8000 x 150
Max. table load	kg	100	100	100
Sanding pad dimension	mm	270 x 150	270 x 150	270 x 150
Infinitely variable belt speed	m/s	4.5 - 27	4.5 - 27	4.5 - 27
Diameter of the drive roller	mm	225	225	225
Extraction duct nominal width outside	mm	160	160	160
Motor power ~50 Hz	kW/V	3.0 / 400	3.0 / 400	3.0 / 400
Dimensions (L x W x H) approx.	mm	2500 x 1300 x 1450	4000 x 1300 x 1450	4500 x 1300 x 1450
Weight approx.	kg	470	516	530



Optional
Sliding shoe with graphite overlay especially suitable for fine sanding
Art. no. 0532PER33000

GRINDING BELTS

for MBSM 1505 ESE
Dimensions: 150 x 5020 mm

Grain size	Art. no.	PU
for aluminium sanding ²⁾		
80	3721180	5
120	3721112	5
150	3721115	5
180	3721118	5
220	3721122	5
240	3721124	5

for MBSM 2505 ESE
Dimensions: 150 x 7000 mm

Grain size	Art. no.	PU
for aluminium sanding ²⁾		
80	3725080	5
120	3725012	5
150	3725015	5
180	3725018	5
220	3725022	5
240	3725024	5

for MBSM 3005 ESE
Dimensions: 150 x 8000 mm

Grain size	Art. no.	PU
for aluminium sanding ²⁾		
80	3724080	5
120	3724012	5
150	3724015	5
180	3724018	5
220	3724022	5
240	3724024	5

You can find more sanding belts and accessories in the Metallkraft catalogue



Metalkraft wide belt sanders MBBS series



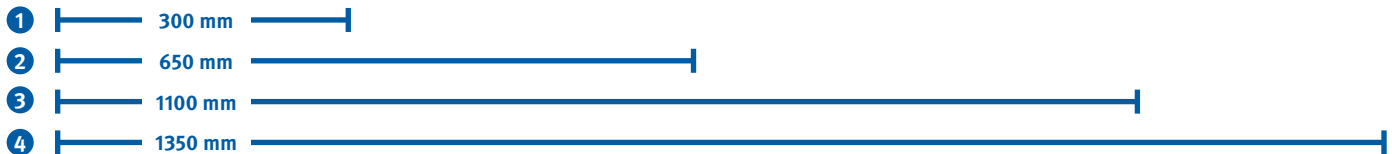
for *deburring* of sheet metal parts after laser or plasma cutting, for *surface finishing*, for *edge rounding*, for *removal of oxide layers* - individually configurable.

The Italian-made machines are of high quality and yet very attractively priced.

Depending on requirements, the machines can be freely configured in terms of working width, number and type of units and special accessories.



Select your working width



Equip your system completely individually

Maximum of three internal and one external brush roller unit possible



DEBURRING / SURFACE FINISH

Sanding belt unit for deburring and surface finishing. Depending on requirements, the unit can be fitted with sanding belts of different grain sizes as well as sanding fleece.



EDGE ROUNDING / OXIDE LAYER REMOVAL / SLAG REMOVAL

Single-row, counter-rotating, oscillating disc brushes for edge rounding, oxide layer removal or for removing slag - can be fitted with the appropriate disc brushes as required.

An edge radius of up to 0.5 mm is possible with this unit



EDGE ROUNDING / OXIDE LAYER REMOVAL / SLAG REMOVAL

Double-row, counter-rotating, oscillating disc brushes for edge rounding, oxide layer removal or slag removal - can be fitted with the appropriate disc brushes as required. An edge radius of up to 0.5 mm is possible with this unit



DEBURRING / SURFACE FINISH

Brush roller for surface finishing or deburring.

Brush roller with abrasive fleece, available with steel or stainless steel brushes



DEBURRING / SURFACE FINISH

External brush roller unit for surface finishing or deburring. Brush roller with abrasive fleece, available with steel or stainless steel brushes *if the maximum number of internal units has already been reached and an additional surface finishing option is required*



DEBURRING / EDGE ROUNDING

Rotating brush rollers for deburring and edge rounding up to an edge radius of 2 mm

With the wide range of **special accessories** the configuration can be expanded as required:

- > Wet or dry sanding machine
- > Infinitely variable adjustment of the sanding belt, disc brush and brush roller speed
- > Two-stage or stepless sanding belt speed
- > Cleaning the conveyor belt by compressed air or brushes
- > Cleaning the sanding belts with compressed air
- > Wet or dry extraction systems
- > More powerful drive motors for the units
- > Vacuum or magnetic conveyor belt
- > Return to sender function
- > Additional import and export roles

Convince yourself of our capabilities and ask for individual advice

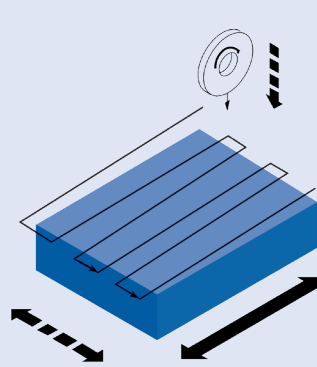
FSM - Precision surface sanding machines with NC-controlled vertical feed with special equipment, ideal for industrial use **in perfect quality!**

- ▶ For precision surface grinding work
- ▶ Maximum rigidity and stability thanks to the stress-free annealed cast iron construction, resulting in maximum precision
- ▶ With automatic centralised lubrication for all slideways and spindles

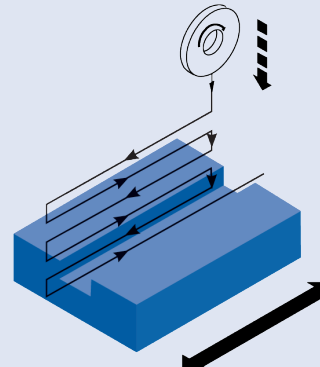
- ▶ Electro-magnetic clamping plate for holding the workpiece incl. automatic degaussing device
- ▶ Protection class IP 65 Halogen lighting
- ▶ Additional second sanding disc flange

- ▶ V-flat guideways with "Turcite-B" coating guarantee absolutely smooth, low-friction movement and maximum precision
- ▶ High-quality spindle with precision tapered roller bearings (concentricity 2 µm)

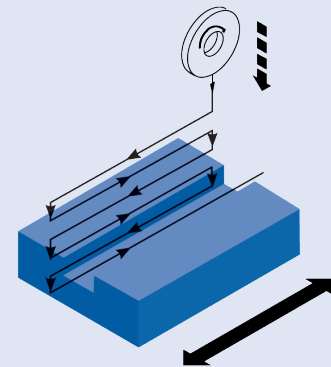
The models in the FSM series are equipped with automatic feed control (AD 5). Different grinding cycles are available - see sketches on the right. The infeed of the sanding disc can be customised depending on the workpiece. The overall sanding dimension is divided into coarse and fine infeed, the infeed steps can be freely entered with a minimum resolution of up to 0. -1 mm, depending on the application. The ability to program dead passes after a certain number of feed steps and passes for firing after reaching the grinding dimension ensures the best grinding results.



Surface grinding with feed at start point



Groove grinding with feed at start point. Manual fine adjustment option recommended in the transverse axis



Groove grinding with feed at start and end point. Manual fine adjustment option recommended in the transverse axis



Fig: FSM 2550 without storage equipment



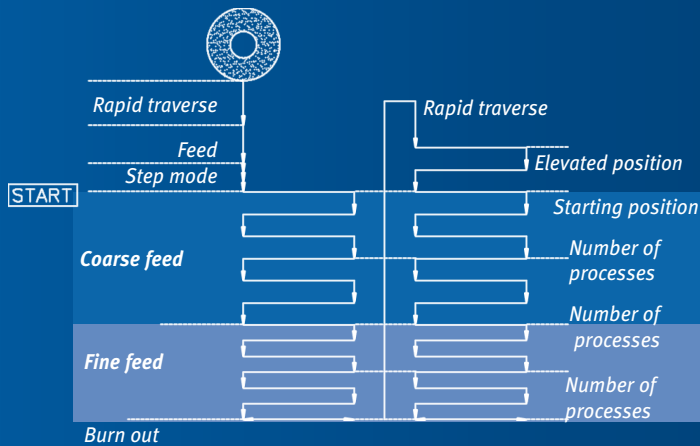
FSM 3060 Storage equipment

Equipment options (retrofitable)	Art. no.
Electro-magnetic clamping plate	3939101
Fine pole 300x600	

Technical data		FSM 2550 Storage equipment	FSM 3060 Storage equipment
Art no.		3932551	3933061
Plane grinding table clamping surface (L x W)	mm	250 x 500	300 x 600
Clearance spindle - table max.	mm	500	500
Travelling speed of the table	m/min.	5 - 25	5 - 25
Workpiece weight max.	kg	190	215
Spindle speed	min ⁻¹	2900	1450
Grinding disc (Ø x width x bore)	mm	180 x 13 x 31.7	355 x 38 x 127
Motor power spindle	kW	1.5	3.75
Hydraulic pump motor power	kW	0.75	0.75
Electrical connection ~50 Hz	V	400	400
Dimensions (L x W x H) approx.	mm	2340 x 1500 x 1800	2630 x 1550 x 1800
Weight approx.	kg	1385	1743

Storage equipment
• Electro-magnetic clamping plate
• Automatic demagnetising device
• Grinding disc flange
• Grinding wheel
• Balancing mandrel
• Parallel dressing device
• Machine bases
• Operating tool
• Halogen work light (IP65)
• Coolant system
• Rear splash guard
• Front splash guard
• Splash guard on the side
• Adjustment of the cross feed via teach buttons

Autom. feed system type AD 5 as standard



**ASK FOR YOUR
PERSONALISED OFFER!
OTHER MODELS
AND ACCESSORIES
ON REQUEST!**

Structure and function:

- 1 Halogen work light
- 2 Coolant nozzle
- 3 Electromagnetic clamping plate
- 4 Adjustable cams longitudinal feed
- 5 Control panel
- 6 Hand wheel sanding disc Y-axis
- 7 Hydraulic power unit
- 8 Cross slides
- 9 Handwheel slide Z-axis
- 10 Holder
- 11 Handwheel table X-axis
- 12 Coolant return
- 13 Table
- 14 Grinding wheel
- 15 Splash guard
- 16 Cover for sanding disc
- 17 Pillar

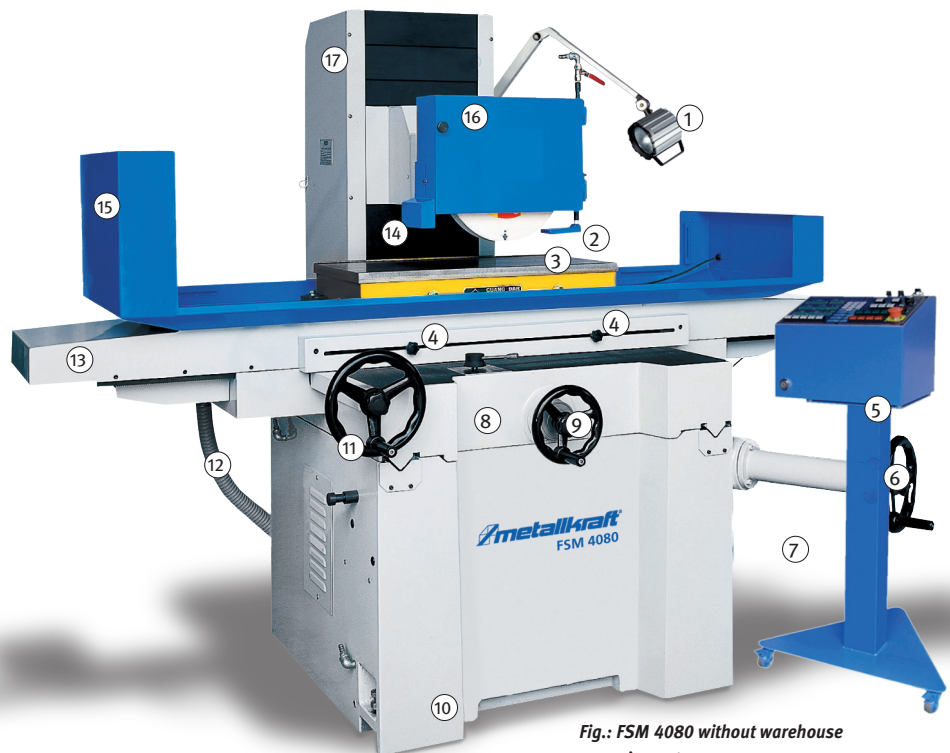


Fig.: FSM 4080 without warehouse equipment

Technical data		FSM 4080 Storage equipment
Art no.		3934081
Plane grinding table clamping surface (L x W)	mm	400 x 800
Clearance spindle - table max.	mm	550
Travelling speed of the table	m/min.	5 - 25
Workpiece weight max.	kg	250
Spindle speed	min ⁻¹	1450
Grinding disc (Ø x width x bore)	mm	406 x 50 x 127
Motor power spindle	kW	3.75
Hydraulic pump motor power	kW	1.5
Electrical connection ~50 Hz	V	400
Dimensions (L x W x H) approx.	mm	3450 x 2050 x 1900
Weight approx.	kg	3308

Warehouse equipment in addition to:



FSM DT - Precision surface sanding machines with touchscreen NC control

- ▶ For precision surface grinding work
- ▶ Maximum rigidity and stability thanks to stress-free annealed and hardened cast iron construction
- ▶ User-friendly touchscreen control: HMI graphic interface; all functions and sanding feed controllable; function and error display; screen size 7"
- ▶ Electromagnetic clamping plate
- ▶ Automatic demagnetisation device
- ▶ Manual parallel dressing device
- ▶ Adjustment of the cross feed via teach buttons
- ▶ Cross grinding unit
- ▶ Ball screw and manual fine feed in the transverse axis
- ▶ Control panel mounted at an ergonomically favourable height on a swivel arm
- ▶ Longitudinal stroke regulation via solenoid valve
- ▶ Quantity-controlled centralised lubrication system
- ▶ Coolant system with lowering basin
- ▶ Front, side and rear splash guards
- ▶ Alignment feet
- ▶ Halogen work light (IP65)
- ▶ Signal light to indicate the current operating mode

AUTOMATIC FEED CONTROL

Different grinding cycles are available:

- ▶ Surface grinding with feed at start point
- ▶ Groove grinding with infeed at the starting point of the X-axis
- ▶ Groove grinding with feed at start and end point of the X-axis
- ▶ The infeed of the grinding disc can be customised depending on the workpiece
- ▶ The overall sanding dimension is divided into coarse and fine infeed, the infeed steps can be freely entered with a minimum resolution of up to 0. -1 mm, depending on the application
- ▶ The option to programme dead cycles after a certain number of infeed steps and burn-out cycles after the grinding dimension has been reached ensures the best grinding results



Fig. FSM 2550 DT with optional equipment

Scope of delivery

- Grinding disc flange
- Grinding wheel
- Balancing mandrel
- Operating tool



User-friendly touchscreen control

- HMI graphic interface
- All functions and grinding feed controllable
- Function and error display

Technical data		FSM 2550 DT	FSM 3060 DT	FSM 4080 DT
Art no.		3942255	3942306	3942408
Plane grinding table clamping surface (L x W)	mm	500 x 250	600 x 300	800 x 400
Plane sanding table Workpiece weight max.	kg	250	300	400
X-axis feed speed	m/min.	5 – 25	5 – 25	5 – 25
Z-axis travel length		270	340	450
Spindle speed	min ⁻¹	2900	1450	1450
Grinding disc (Ø x width x bore)	mm	180 x 13 x 31.75	355 x 38 x 127	405 x 50 x 127
Motor power Drive motor	kW	1.5	3.75	3.75
Electrical connection ~50 Hz	V	400	400	400
Dimensions (L x W x H) approx.	mm	2355 x 1830 x 1800	2645 x 2022 x 1800	3645 x 2305 x 1900
Weight approx.	kg	1350	1700	3250

FSM PRO - NC-controlled surface sanding machines.

With touch control, for surface sanding, plunge grinding and cross grinding

- ▶ 10" touchscreen NC control G1 for Y- and Z-axis
- ▶ Grinding modes: Flat grinding, plunge grinding, cross grinding
- ▶ Spindle bearing class P4 from NSK with guaranteed concentricity of 0.-2 mm
- ▶ Electromagnetic fine-pole clamping plate including automatic demagnetisation function
- ▶ Solid and stress-relieved machine body made of honeycomb ribbed grey cast iron
- ▶ Robust V-flat guide with Turcite B coating in the X and Z axes for grinding heavy workpieces
- ▶ Backlash-free ball screws in the Y and Z axes
- ▶ NC-controlled parallel dressing device and levelling device above the machine table
- ▶ Coolant device with magnetic separator
- ▶ Partial enclosure of the worktable with monitored door
- ▶ Stepless speed of the grinding spindle thanks to inverter
- ▶ Automatic, hydraulic X-axis feed
- ▶ Stepless adjustment of the X-axis speed via hydraulic control valve
- ▶ Automatic, motorised Z-axis feed driven by servo motor
- ▶ Setting the end positions in the X and Z axes via joystick
- ▶ Automatic, motorised Y-axis feed driven by servo motor
- ▶ Electronic handwheel for the Y and Z axes
- ▶ Automatic centralised lubrication of all axes/guides

Optional special equipment

- ▶ NC-controlled parallel dressing and levelling device on the grinding head
- ▶ Automatic balancing device
- ▶ Full enclosure of the sanding area with two sliding doors
- ▶ Additional grinding disc flanges
- ▶ Increased motor power



FSM 4080 PRO

Illustration shows optional NC-controlled parallel dressing and levelling device on the grinding head

Standard equipment:

- > Electromagnetic fine-pole clamping plate
- > Automatic demagnetisation
- > NC dressing device above the machine table
- > Automatic adjustment of the cross feed
- > Coolant device with magnetic separator
- > LED work lights
- > Semi-enclosed splash guard
- > FSM 2550 PRO: 3 alignment plates
- > FSM 3060 PRO & FSM 4080 PRO: 5 alignment plates

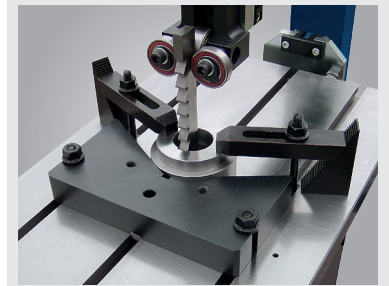
Scope of delivery:

- > Balancing stand
- > Operating tool

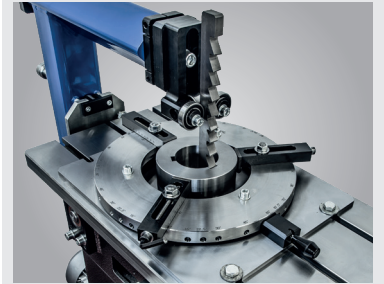
Technical data		FSM 2550 PRO	FSM 3060 PRO	FSM 4080 PRO
Art no.		3940255	3940306	3940408
Size of the clamping plate (L x W)	mm	500 x 250	600 x 300	800 x 400
X axis travel length	mm	550	650	860
Z-axis travel length	mm	270	350	450
Travelling speed of the table	m/min.	5 – 25	5 – 25	5 – 25
Workpiece weight max.	kg	190	215	250
Spindle speed	min.	2900	1450	1450
Grinding disc (Ø x width x bore)	mm	205 x 19 x 31.75	355 x 38 x 127	405 x 50 x 127
Motor power spindle	kW	1.5	3.75	3.75
Hydraulic pump motor power	kW	0.75	0.75	1.5
Electrical connection	V / Hz	400 / ~50	400 / ~50	400 / ~50
Dimensions (L x W x H) approx.	mm	2680 x 2350 x 2460	3000 x 2500 x 2460	3600 x 2650 x 2560
Weight approx.	kg	2000	2500	3700

NZM 20 - Grooving machine for the production of grooves up to 30x20 mm in metal or non-metal workpieces

- ▶ Grooves are drawn in a vertical direction. This has advantages over grooving: Higher accuracy and better surface finish; higher cutting speed
- ▶ Quick and easy tool change
- ▶ No running of the broach during machining due to the three-sided ball bearing guide on the top of the broach
- ▶ Perpendicular angle of the broach to the workpiece can be finely readjusted using the rotary knob
- ▶ Table feed is manual via large hand lever
- ▶ Extremely robust and low-maintenance design
- ▶ Tool arm can be tilted backwards for convenient workpiece changes
- ▶ Dividing plate with various angle divisions available as an accessory, enables precise and fast clamping and reclamping of workpieces



▶ Broach is guided by three ball bearings and cannot move



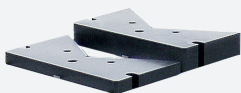
- ▶ Dividing plate (optional accessory art. no: 3889201)
- ▶ With different angle divisions
- ▶ Precise and fast clamping and reclamping of workpieces



- ▶ Tool arm can be tilted backwards by opening the clamping lever
- ▶ For convenient workpiece and tool changes

Scope of delivery

- ▶ Two clamping prisms



Technical data		NZM 20
Art no.		3818420
Work table (L x W)	mm	400 x 680
Workpiece height min.		Tooth spacing of the broach + 2 mm
Max. workpiece height	mm	90 / 170
Explanation Workpiece height max.		Broach with width
		5-8 mm / 10-20 mm
Strokes per minute		54
Working height	mm	880
Groove depth max.	mm	30
Groove width max.	mm	20
Drive motor power ~50 Hz	kW/V	1.5 / 400
Dimensions (L x W x H) approx.	mm	520 x 1030 x 1200
Weight approx.	kg	330

DESIRED GROOVE WIDTH (FITTING DIMENSION)
STATE WHEN ORDERING SO THAT THE BROACHES
CAN BE GROUNDED TO THE APPROPRIATE SIZE!



Accessory	Art. no.
Dividing plate for NZM 20	3889201
Broach width 5mm / tooth spacing 7mm	3889205
Broach width 6mm / tooth spacing 10mm	3889206
Broach width 8mm / tooth spacing 14mm	3889208
Broach width 10mm / tooth spacing 18mm	3889210
Broach width 12mm / tooth spacing 18mm	3889212
Broach width 14mm / tooth spacing 22mm	3889214
Broach width 16mm / tooth spacing 22mm	3889216
Broach width 18mm / tooth spacing 25mm	3889218
Broach width 20mm / tooth spacing 25mm	3889220
Cutting oil spray	3872100

SSG 12/ SSG - Upsetting & stretching device for universal use in workshops and on construction sites

- ▶ For making wheel arches, window frames, rain mouldings or door edges on classic cars
- ▶ For stretching and shrinking folded sheets
- ▶ Clean, fast and quiet operation
- ▶ Incl. shrinking and stretching tools
- ▶ Quick and easy replacement of the tool inserts
- ▶ Simple operation
- ▶ SSG 16 with foot control



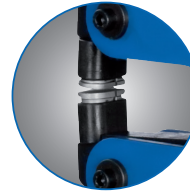
SSG 12

- ▶ Power transmission to the tools by means of a hand lever



SSG 16

- ▶ Power transmission to the tools via foot pedal
- ▶ Travelling device for easy transport



1) Dimensions without hand lever

Technical data		SSG 12	SSG 16
Art no.		3776102	3776103
Max. sheet thickness	mm	1.2	1.5
Outreach	mm	25	153
Dimensions (L x W x H) approx.	mm	150 x 50 x 140 ¹⁾	1175 x 410 x 920
Weight approx.	kg	5.5	36

Scope of delivery:

- Basic device
- Compression jaws
- Stretching jaws



MRA 2 / MRA 3 – Manual pipe notcher

- ▶ For notching pipes up to 3 mm wall thickness
- ▶ Can be used both horizontally as well as vertically
- ▶ Little effort required
- ▶ Very light



Technical data		MRA 2	MRA 3
Art no.		3772992	3772993
Pipe diameter	mm	28 / 34 / 43	50 / 61
Wall thickness (aluminium)	mm	4.5	4.5
Wall thickness (copper/brass)	mm	4	4
Wall thickness (structural steel)	mm	3	3
Wall thickness (stainless steel)	mm	2	2
Dimensions (L x W x H) approx.	mm	1060 x 160 x 80	1090 x 160 x 105
Weight approx.	kg	8	15

AKM 100 T - Manual notching machine

- ▶ Quick and easy right-angled notching with a burr-free cut and without bending the cut edges
- ▶ Robust construction made of high-quality grey cast iron
- ▶ Adjustable stops for efficient working (repeatability of the notching process)
- ▶ With scale on the lower cutting edge

Technical data		AKM 100 T
Art no.		3770512
Cutting capacity (400 N/mm ²)	mm	3
Cutting range (L x W)	mm	100 x 100
Cutting angle	°	90
Work table (L x W)	mm	380 x 280
Stroke adjustment	mm	30
Dimensions (L x W x H) approx.	mm	450 x 390 x 1020
Weight approx.	kg	90



AKM series - Notching machines

- ▶ Heavy, stable construction
- ▶ For fast right-angled notching of sheet metal
- ▶ User-friendly and energy-saving thanks to pneumatic or hydraulic drive

- ▶ Solid table with recessed scales and T-slots for precise adjustment of the angle-adjustable stops
- ▶ Transparent finger protection cover allows optimum view of the cutting edge
- ▶ Operation via foot pedal

- AKM 131-3 P / AKM 151-2 P**
- ▶ Pneumatic version
- AKM 200-4 H / AKM 250-6 H**
- ▶ Hydraulic version
- ▶ Pieces of waste fall into a pull-out drawer
- ▶ Sliding hold-down device



AKM 131-3 P



AKM 200-4 H

Scope of delivery

- Blade set for steel, top
- Blade set for steel, bottom
- Without oil filling

Hydraulic oil	Art. no.
HLP 46 Precis 20l	3880041
Spare blade set AKM 200-4H	3839070
Spare blade set AKM 250-6H	3839075

Technical data		AKM 131-3 P	AKM 151-2 P	AKM 200-4 H	AKM 250-6 H
Art no.		3834130	3834150	3830204	3830256
Cutting capacity (400 N/mm ²)	mm	3	2	4	6
Cutting capacity (600 N/mm ²) ²⁾	mm	1.5	1	2	3
Cutting force	t	-	-	14.7	24.5
Cutting range (L x W)	mm	130 x 130	150 x 150	197 x 197	250 x 250
Notch angle	°	90°	90°	90	90
Table size (L x W)	mm	600 x 460	600 x 460	690 x 700	810 x 750
Oil tank capacity	l	-	-	40	45
Drive motor power~50 Hz	kW/V	-	-	3 / 400	3 / 400
Air consumption per cycle	l	-	-	-	-
Dimensions (L x W x H) approx.	mm	730 x 600 x 1260	730 x 600 x 1260	870 x 690 x 1115	950 x 780 x 1115
Weight approx.	kg	188	190	550	585

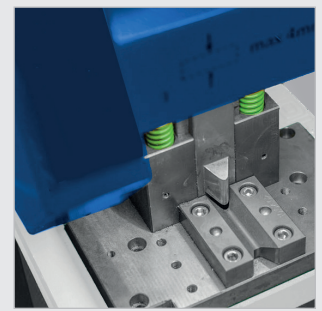
2) Only possible with optional tools

PM 10 M - Motorised punching machine with 10t pressing force



Quality
Made in
Europe

- ▶ For precise and fast punching and cutting work thanks to powerful eccentric mechanism
- ▶ Two working modes selectable:
 - Automatic mode:** The machine performs 30 cuts per minute and therefore saves time when processing workpieces with several identical punching cuts
 - Manual mode:** The machine rotates when the foot switch is pressed
- ▶ Recesses in the substructure for easy transport with a forklift truck
- ▶ Versatile applications thanks to configurable tools as required. Tools must be ordered separately depending on the application, not included in the scope of delivery



▶ Illuminated work area



▶ Storage option for punching and cutting tools in the substructure

Technical data		PM 10 M
Art no.		3818310
Punching force	t	10
Drive motor power	kW	2.2
Electrical connection ~50 Hz	V	400
Dimensions (L x W x H) approx.	mm	680 x 430 x 1400
Weight approx.	kg	250

PM 16 H - Hydraulic punching machine with 16 t pressing force for cutting, punching, deep drawing, embossing, levelling



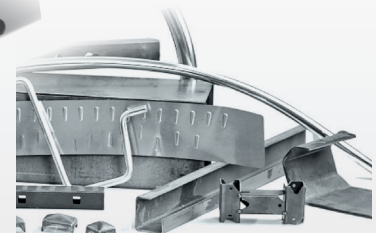
Quality
Made in
Europe

- ▶ Variable forward and return flow limitation through adjustable limit switches
- ▶ Use of a wide variety of tools possible thanks to the variable forward and return flow limitation
- ▶ Simple attachment of tools and devices to the worktable via M12 holes
- ▶ Interchangeable tables enable workpieces of different sizes to be processed
- ▶ Actuation of the lifting cylinder via foot switch
- ▶ Pressure adjustment via hydraulic valve
- ▶ Recess in the worktable for cutting waste
- ▶ Storage option for punching and cutting tools in the substructure
- ▶ Versatile applications thanks to configurable tools as required. Tools must be ordered separately depending on the application, not included in the scope of delivery
- ▶ Die holder not included in the scope of delivery



**MORE PUNCHES, DIES
AND UPPER TOOLS ON
WWW.METALLKRAFT-MACHINES.COM
OR REQUEST OUR METALLKRAFT
CATALOGUE**

Technical data		PM 16 H
Art no.		3818316
Punching force	t	16
Ø in max. sheet thickness (400 N/mm ²)	mm	12 x 10
Ø in max. sheet thickness (400 N/mm ²)	mm	30 x 4
Stroke distance max.	mm	70
Drive motor power	kW	2.2
Electrical connection ~50 Hz	V	400
Dimensions (L x W x H) approx.	mm	800 x 450 x 1430
Weight approx.	kg	420



HPS series

Combined hydraulic profile steel shears/punching machines with up to 5 processing stations and foot operation

- ▶ Punching station, flat steel shears, angle steel shears, profile steel shears, from HPS 45S with notching station
- ▶ DS series with two working cylinders and two foot pedals for simultaneous operation with punching station and profile steel shears
- ▶ Heavy and stable welded construction
- ▶ Larger throat depth for punching station with 620 mm optional, available from HPS 55DS
- ▶ With powerful hydraulic unit
- ▶ Two-cylinder machine with electric contact stop

- ▶ Standard with MUBEA holder for punch no. 1, no. 2 and no. 3 as well as die no. 30, no. 45 and no. 60, use of punch and die no. 4 and no. 80 optionally possible (except HPS 40S)



HPS 45S



HPS 55DS



Scope of delivery HPS 40s

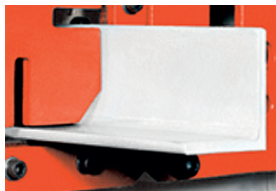
- › Art no. 3819040
- › Punching station
- › Flat steel shears
- › Angle steel shears
- › Profile steel shears with round and square blades
- › Stamp holder with bayonet lock
- › System MUBEA Stamp holders No. 1, No. 2 and No. 3
- › MUBEA die reduction system No. 30 and No. 45 (No. 60 is inserted directly into the punching saddle)
- › Punch and flat steel shears with adjustable stops
- › Hook wrench
- › Foot pedal
- › Hydraulic oil

Scope of delivery HPS 45S/ HPS 60S

- › Art no. 3819045/3819060
- › Punching station
- › Flat steel shears
- › Angle steel shears
- › Profile steel shears with round and square blades
- › Notching station
- › Stamp holder with bayonet lock
- › System MUBEA Stamp holders No. 1, No. 2 and No. 3
- › MUBEA die reduction system No. 30 and No. 45 (No. 60 is inserted directly into the punching saddle)
- › Punch, flat steel shears and notcher with adjustable stops
- › Hook wrench
- › Foot pedal
- › Hydraulic oil

Scope of delivery HPS 55DS / HPS 65DS

- › Art no. 3819055/3819065
- › Punching station
- › Flat steel shears
- › Angle steel shears
- › Profile steel shears with round and square blades
- › Notching station
- › Work light
- › Electrical contact stop
- › Stamp holder with bayonet lock
- › System MUBEA Stamp holders No. 1, No. 2 and No. 3
- › MUBEA die reduction system No. 30 and No. 45 (No. 60 is inserted directly into the punching saddle)
- › Punch with adjustable stop with scale, flat steel shears and notcher with adjustable stops
- › Hook wrench
- › 2 working cylinders and 2 foot pedals
- › Hydraulic oil



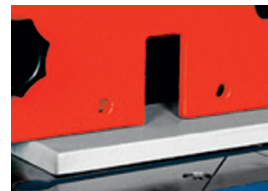
▶ Angle steel shears



▶ Profile steel shears / round steel blades



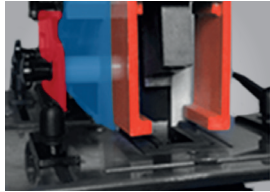
▶ Profile steel shears / square steel blades



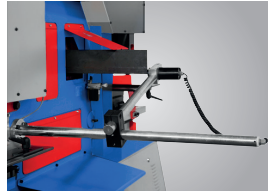
▶ Flat steel shears



▶ Punching station



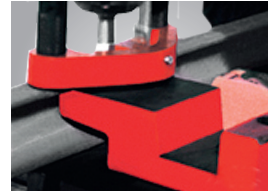
▶ Notching station (from HPS 45S)



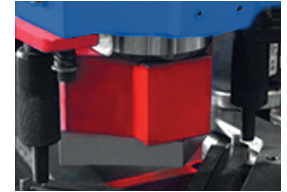
▶ Electrical contact stop (standard from HPS 55DS)



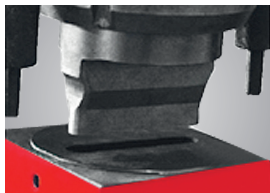
▶ Work light (standard from HPS 55DS)



▶ Optional punching saddle for angle irons



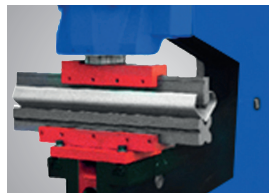
▶ Optional 90° V-notching blade (available from HPS 45S)



▶ Optional punching device for large diameters



▶ Optional punching saddle for U-profiles



▶ Optional bending device for flat steel (available from HPS 45S)



Various profile steel blades, punching saddles and special punches and dies available on request

Convince yourself of our capabilities and ask for individual advice

Technical data		HPS 40S	HPS 45S	HPS 60S	HPS 55DS	HPS 65DS
Punching station						
Art no.						
Punching force	t	40	45	60	55	65
Ø in max. sheet thickness (400 N/mm ²)	mm	Ø 20 x 15	Ø 22 x 15	Ø 28 x 15	Ø 20 x 20	Ø 26 x 20
	mm	Ø 30 x 10	Ø 38 x 8	Ø 38 x 11	Ø 40 x 10	Ø 57 x 10 (opt.)
Spindle - column distance	mm	175	175	220	255	305
Stroke	mm	50	50	55	60	55
Stroke / min.		20	20	25	25	25
Working height hole punch	mm	970	955	955	1030	1030
Steel shears						
Round/rectangle	mm	Ø 30 / 25	Ø 30 / 25	Ø 40 / 35	Ø 40 / 40	Ø 45 / 45
Angle steel shears						
90° cut	mm	80 x 80 x 8	100 x 100 x 10	120 x 120 x 12	120 x 120 x 12	120 x 120 x 12
45° cut	mm	50 x 6	70 x 6	80 x 8	70 x 10	70 x 10
Working height	mm	1100	1140	1155	1130	1140
Sheet shears						
Material thickness max.	mm	200 x 13	200 x 15	200 x 20	200 x 20	300 x 20
Material size max.	mm	300 x 6	300 x 12	300 x 15	300 x 15	375 x 15
Blade length	mm	356	316	317	317	380
Angle cut	mm	80 x 10	80 x 10	80 x 10	80 x 15	100 x 15
Working height	mm	980	955	955	900	900
Notching station						
Material thickness max.	mm	-	8	10	10	10
Width	mm	-	35	42	45	45
Depth	mm	-	75	100	90	90
Motor power ~50 Hz	kW/V	3.0 / 400	4.0 / 400	4.0 / 400	5.5 / 400	5.5 / 400
Weight approx.	kg	580	1400	1440	1520	1600
Dimensions (L x W x H) approx.	mm	1100 x 800 x 1520	1500 x 950 x 1680	1520 x 950 x 1780	1500 x 950 x 1880	1700 x 950 x 1880
Optional equipment						
U-I profile blade	mm	76 x 38	80 x 45	80 x 45	120 x 58	120 x 58
T-profile blade	mm	38 x 6	40 x 5	80 x 9	80 x 9	90 x 11
V-notching tools	mm	-	100 x 100 x 8	100 x 100 x 10	100 x 100 x 10	100 x 100 x 10

Machines are supplied with oil

BSS 1000 - Manual shears for sheet metal, paper and other materials

- ▶ With collapsible base - ideal for tradespeople on the move
- ▶ Sturdy and robust design
- ▶ For sheet steel (S235 JR) up to 1.2 mm up to a width of 1020 mm
- ▶ The standard hold-down device ensures good cutting results



Technical data		BSS 1000
Art no.		3741100
Cutting capacity (400 N/mm ²)	mm	1.2
Working width	mm	1020
Dimensions (L x W x H) approx.	mm	1830 x 550 x 1225
Weight approx.	kg	97

Accessory	Art. no.
Side stop	3760110
Spare blade	3760111

BSS 1020E / BSS 1250E - Manual sheet metal shears in heavy-duty design

- ▶ For sheet steel up to 1.5 mm
- ▶ Extremely stable and heavy cast iron construction
- ▶ Open construction
- ▶ Adjustable side stop via hand crank
- ▶ The standard hold-down device ensures good cutting results
- ▶ Removable mitre fence on the worktable



BSS 1020E

Technical data		BSS 1020E	BSS 1250E
Art no.		3816001	3816002
Cutting capacity (400 N/mm ²)	mm	1.5	1.5
Working width	mm	1050	1250
Stop area	mm	0 - 550	0 - 550
Rear stop width	mm	790	790
Working height	mm	750	750
Work table (L x W)	mm	600 x 1,280	600 x 1,530
Dimensions (L x W x H) approx.	mm	2000 x 850 x 1500	2450 x 1000 x 1820
Weight approx.	kg	435	490

Spare blade	Art. no.
For BSS 1020E	3880300
for BSS 1250E	3880301

TBS 650-12 T / TBS 1050-10 T - Manual precision sheet metal shears

- ▶ For cutting metal, paper, plastic and other materials
- ▶ With angle-adjustable side stop
- ▶ Hardened steel blade
- ▶ Back gauge with scale



standard with
500 mm backgauge



TBS 1050-10 T

Technical data		TBS 650-12 T	TBS 1050-10 T
Art no.		3776165	3776111
Cutting capacity (400 N/mm ²)	mm	1.25	
Working width max.	mm	650	1050
Travel range rear stop	mm	0 - 500	0 - 500
Dimensions (L x W x H) approx.	mm	970 x 470 x 540	1370 x 480 x 580
Weight approx.	kg	100	160

Spare blade	Art. no.
For TBS 650-12T	3760065
for TBS 1050-10T	3761050

FTBS 1050-10 - Manual sheet metal shears with foot control

MTBS 1050-10 - Motorised sheet metal shears

- ▶ Stable and robust welded construction
- ▶ Suitable for cutting metals, paper and other materials
- ▶ Foot operation leaves both hands free for material feeding
- ▶ High-quality steel cutting blades
- ▶ Adjustable angle stop with degree scale
- ▶ Simple adjustment of the cutter bar
- ▶ The hold-down device is also a finger guard for maximum safety



FTBS 1050-10



MTBS 1050-10
with optional substructure
(Art no. 3772917)

Scope of delivery FTBS 1050-10

- Rear stop 0- 500mm

Scope of delivery MTBS 1050-10

- Rear stop 0- 500mm
- Protective grille
- Foot pedal
- Steel blade set

Technical data		FTBS 1050-10	MTBS 1050-10
Art no.		3772910	3772915
Cutting capacity (400 N/mm ²)	mm	1	1
Working width	mm	1050	1050
Travel range rear stop	mm	500	500
Motor power ~50 Hz	kW/V	-	0.75 / 400
Weight approx.	kg	175	238

Spare blade	Art. no.
for FTBS 1050-10	3772911
for MTBS 1050-10	3772916
Substructure MTBS 1050-10	3772917

Machine base	Art. no.
for MTBS 1050-10	3772917

TBS series - Manual sheet metal shears

- ▶ Suitable for cutting steel, aluminium and copper
- ▶ High-quality knives made from steel with a hardness of HRC55-60
- ▶ Equipped with two operating handles
- ▶ Front support surface with scale
- ▶ Adjustable backgauge with hand crank
- ▶ Extendable front support rail



TBS 1501-15

Scope of delivery

- Rear stop
- Two operating handles

Technical data		TBS 1051-20	TBS 1501-15	TBS 2001-12
Art no.		3746010	3746015	3746020
Working width	mm	1050	1500	2000
Cutting capacity (400 N/mm ²)	mm	2	1.5	1.25
Cutting capacity (700 N/mm ²) ²⁾	mm	1	0.75	0.62
Table height	mm	684	684	684
Travel range rear stop	mm	500	500	500
Dimensions (L x W x H) approx.	mm	1450 x 1100 x 1050	1950 x 1100 x 1050	2450 x 1100 x 1050
Weight approx.	kg	378	445	511

Spare blade set	Art. no.
TBS 1051-20	3746917
TBS 1501-15	3746910
TBS 2001-12	3746911

Special blade set for cutting stainless steel

Special blade set	Art. no.
TBS 1051-20	3746914
TBS 1501-15	3746915
TBS 2001-12	3746916

2) Only possible with optional blade set

FTBS P series - Pneumatic sheet metal shears, universally applicable in industry and trade

- ▶ Two pneumatic cylinders and foot switch
- ▶ Stable and robust welded construction
- ▶ Suitable for cutting metals and other materials
- ▶ Foot operation leaves both hands free for material feeding
- ▶ Large plexiglass viewing window
- ▶ High-quality steel cutting blade
- ▶ Slide guide
- ▶ Maximum distance from finger guard to work table is 5 mm, thus maximising safety
- ▶ Angle-adjustable side stop
- ▶ Cutting line lighting as standard



FTBS 1050-15 P



Spare blade	Art. no.
FTBS 1050	3760312
FTBS 1300	3760313
FTBS 2000	3760314

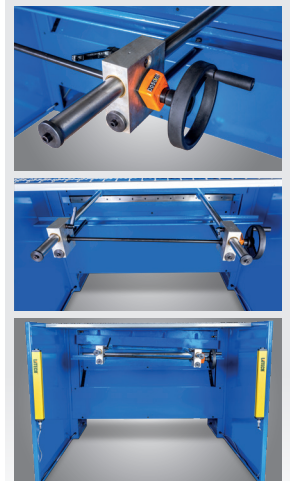
Technical data		FTBS 1050-15 P	FTBS 1050-20 P	FTBS 1300-15 P	FTBS 1300-20 P
Art no.		3754015	3754020	3755015	3755020
Working width	mm	1030	1030	1330	1330
Cutting capacity (400 N/mm ²) ²⁾	mm	1.5	2	1.5	2
Travel range rear stop	mm	550	550	550	550
Compressor pressure	bar	8 – 10	8 – 10	8 – 10	8 – 10
Air consumption per cycle	l	22	34	28	43
Side stop	mm	200	200	200	200
Cuts per min.		22	15	21	14
Dimensions (L x W x H) approx.	mm	1490 x 1250 x 1290	1490 x 1250 x 1290	1790 x 1250 x 1290	1790 x 1250 x 1290
Weight approx.	kg	270	280	300	310

MTBS E series - Motorised sheet metal shears

- ▶ Heavy, stress-free welded steel construction
- ▶ High-quality cutting blade
- ▶ Two long sheet support arms for large workpieces
- ▶ Cutting line lighting and slotted holes in the upper cover plate for an optimum view of the cutting edge and for cutting to a tear
- ▶ Manual back gauge 630 mm with handwheel and analogue counter
- ▶ Light barrier for the rear stop area
- ▶ The foot control leaves both hands free for material feeding



MTBS 1255-30 E



Scope of delivery

- Sheet support arms
- Side stop
- Manual backgauge
- Foot control
- Steel blade set

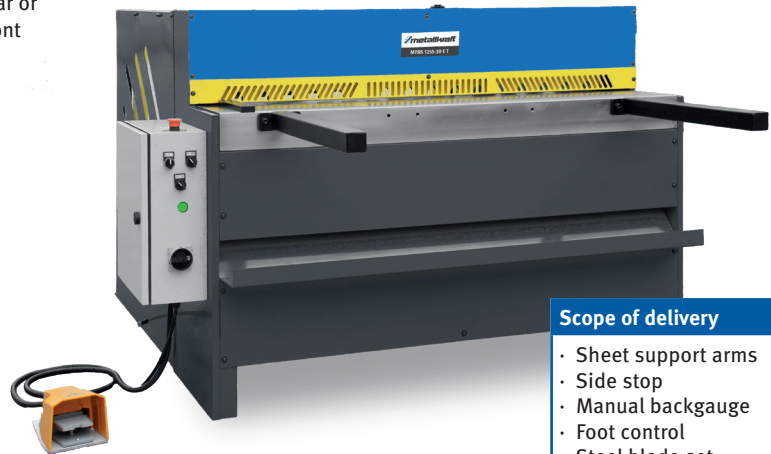
Technical data		MTBS 1255-30 E	MTBS 1255-40 E	MTBS 2055-30 E
Art no.		3757013	3757014	3757023
Working width	mm	1250	1250	2050
Cutting capacity (400 N/mm ²)	mm	3	4	3
Cutting capacity (700 N/mm ²) ²⁾	mm	1.5	2	1.5
Travel range rear stop	mm	630	630	630
Stroke per min.		30	30	30
Motor power ~50 Hz	kW/V	3 / 400	4 / 400	4 / 400
Dimensions (L x W x H) approx.	mm	1682 x 2140 x 1100	1712 x 1605 x 1190	2495 x 1610 x 1190
Weight approx.	kg	850	1185	1520

Spare blade	Art. no.
MTBS 1255-30 E	3757910
MTBS 1255-40 E	3757911
MTBS 2055-30 E	3757912

Special blade set for stainless steel	Art. no.
MTBS 1255-30 E	3757920
MTBS 1255-40 E	3757921
MTBS 2055-30 E	3757922

MTBS 1255-30 E T – Motorised sheet metal shears

- ▶ Heavy, stress-free welded steel construction
- ▶ High-quality cutting blade
- ▶ Two long sheet support arms for large workpieces
- ▶ Cutting line lighting and slotted holes in the upper cover plate for an optimum view of the cutting edge and for cutting to a tear
- ▶ Manual back gauge 630 mm with handwheel and analogue counter
- ▶ Light barrier for the rear stop area
- ▶ The foot control leaves both hands free for material feeding
- ▶ Sheet ejection optionally to the rear or to the front



Technical data		MTBS 1255-30 E T
Art no.		3757213
Working width	mm	1250
Cutting capacity (400 N/mm ²)	mm	3
Cutting capacity (700 N/mm ²) ²⁾	mm	1.5
Travel range rear stop	mm	630
Stroke per min.		28
Motor power ~50 Hz	kW/V	3 / 400
Dimensions (L x W x H) approx.	mm	1700x2140x1100
Weight approx.	kg	980

Scope of delivery

- Sheet support arms
- Side stop
- Manual backgauge
- Foot control
- Steel blade set

Accessory

Accessory	Art. no.
Steel blade set 1255-30	3757910
Stainless steel blade set 1255-30	3757920

MTBS series – Motorised sheet metal shears with manual rear stop

- ▶ Slider-guided upper beam with adjustable flat guides
- ▶ LED cutting line lighting and slotted holes in the top cover for an optimum view of the cutting edge for cutting on a tear
- ▶ High-quality, rotating blades suitable for cutting stainless steel
- ▶ Heavy-duty hold-down bar with material-friendly PU inserts
- ▶ Rear area secured by light barrier
- ▶ Operation via mobile foot pedal console with emergency stop

MTBS 2103 F / MTBS 3102 F

- ▶ Manual rear stop with 550 mm travel range with handwheel and digital display
- ▶ Machine table with 10 mm graduation
- ▶ Pull-out front support



- ▶ Rear area secured by light barrier



MTBS 2103 F / MTBS 3102 F

- ▶ Operation of the backgauge from the front of the machine via handwheel and counter



MTBS 3102 F
with extendable front support

Technical data		MTBS 2103	MTBS 2103 F	MTBS 3102	MTBS 3102 F
Art no.		3815420	3815421	3815430	3815431
Working width	mm	2040	2040	3060	3060
Cutting capacity (400 N/mm ²)	mm	3	3	2	2
Cutting capacity (700 N/mm ²)	mm	1.5	1.5	1.2	1.2
Travel range rear stop	mm	550	550	550	550
Cuts per minute		34	34	34	34
Side stop 90°	mm	1000	1000	1000	1000
Air consumption per cycle	l	4	4	4	4
Motor power ~50 Hz	kW	3 / 400	3 / 400	3 / 400	3 / 400
Dimensions (L x W x H) approx.	mm	2620 x 1800 x 1370	2620 x 1800 x 1500	3650 x 2300 x 1400	3650 x 2300 x 1400
Weight approx.	kg	1300	1300	1820	1840

Options (only possible ex works)

Options (only possible ex works)	Art. no.
Pneumatic thin sheet holding device	3887201
Centralised lubrication via hand pump	3887210

Accessory

Accessory	Art. no.
Blade set MTBS 2103	3887250
Blade set MTBS 3102	3887251

MTBS series - Motorised sheet metal shears

Heavy welded construction with motorised rear stop

- ▶ Stainless steel table supports with transfer balls for convenient material handling
- ▶ Slider-guided upper beam with adjustable flat guides
- ▶ LED cutting line lighting and slotted holes in the top cover for an optimum view of the cutting edge for cutting on a tear
- ▶ Solid 90° side stop with 1000 mm length, T-slot, tilting cam and scale
- ▶ Two solid sheet metal support arms with T-slots and tilting cams
- ▶ High-quality, rotating blades, suitable for cutting stainless steel
- ▶ Rear area protected by light barrier
- ▶ Operation via mobile foot pedal console with emergency stop

MTBS 1350-30 M

- ▶ **Manual backgauge** with 750 mm travel range with handwheel and analogue counter

MTBS B

- ▶ Manual cutting gap adjustment
- ▶ From 7.5kW with star-delta start-up
- ▶ Motorised, NC-controlled rear stop with 750 mm travel range
- ▶ Backgauge drive with frequency converter, motor with brake and ball screws



MTBS 2550-40 B

Manual rear stop

Technical data		MTBS 1350-30 M	MTBS 1350-30 B	MTBS 1540-40 B	MTBS 2100-40 B	MTBS 2550-40 B	MTBS 3130-30 B
Art no.		3815512	3815513	3815515	3815520	3815525	3815530
Working width	mm	1350	1350	1540	2050	2550	3050
Cutting capacity (400 N/mm ²)	mm	3	3	4	4	4	3
Cutting capacity (700 N/mm ²)	mm	1.5	1.5	2.5	2.5	2.5	1.5
Travel range rear stop	mm	750	750	750	750	750	750
Cuts per minute		40	40	40	38	38	38
Air consumption per cycle	l	–	4	4	4	4	4
Motor power ~50 Hz	kW/V	3 / 400	3 / 400	5.5 / 400	7.5 / 400	7.5 / 400	7.5 / 400
Weight approx.	kg	1150	1150	2200	2600	3000	3600
Dimensions (L x W x H) approx.	mm	1920 x 1920 x 1110	1920 x 1920 x 1110	2170 x 2160 x 1280	2730 x 2160 x 1280	3170 x 2160 x 1280	3760 x 2160 x 1280
Weight approx.		1150	1150	2200	2600	3000	3600

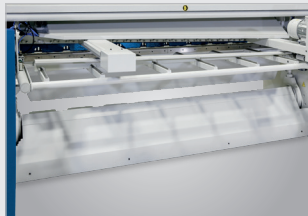
Spare blade sets	Art. no.
for MTBS 1350-30 B	3887240
for MTBS 1540-40 B	3887241
for MTBS 2100-40 B	3887242
for MTBS 2550-40 B	3887243
for MTBS 3130-30 B	3887244

Accessory MTBS B	Art. no.
Adjustable angle stop 0-180°	3887220

Options MTBS B (only possible ex works)	Art. no.
Small parts flap for ejection to the front with drawer (max. 300 x 300 mm)	3887200
Pneumatic thin sheet holding device	3887201
Centralised lubrication via hand pump	3887210
Extension of motorised rear stop from 750 mm to 1000 mm	3887211

MTBS-T series - Motorised sheet metal shears with NC-controlled backgauge, pneumatic sheet support with switchable sheet ejection to the front or rear

- ▶ Pneumatic sheet support, with toggle switch to select whether sheet ejection should be to the front or rear
- ▶ Rear stop guided on round shafts 750 mm driven via ball screws
- ▶ Stainless steel table supports with transfer balls for convenient material handling
- ▶ From 7.5kW with star-delta start-up
- ▶ Positioning control of the back gauge Maper HT071 with digital dimension display
- ▶ Constant, low cutting angle for optimum cutting results
- ▶ 2 material support arms 500 mm with T-slot
- ▶ Cutting gap adjustment by means of vernier rings
- ▶ High-quality blade, also suitable for stainless steel
- ▶ LED illumination of the cutting area
- ▶ Mobile foot pedal with emergency stop switch
- ▶ All moving parts mounted on low-maintenance bearings
- ▶ Electrics from "OMRON" and "Schneider"



▶ Pneumatic sheet holding device with selector lever for the direction of the sheet chute. The operator can choose whether the section falls to the rear or to the operator's side



▶ CE-compliant rear guard with side panels and light barrier



▶ Control panel on the left side of the machine

Scope of delivery	
•	LED cutting line lighting
•	Stainless steel table pads with transfer balls
•	Massive 90° side stop with 1000 mm length, T-slot, tilting cam and scale
•	Motorised, NC-controlled backgauge with 750 mm travel range
•	Pneumatic sheet support with switchable sheet ejection to the front or rear



MTBS 2550-40 T

Technical data		MTBS 1350-30 T	MTBS 1540-40 T	MTBS 2100-40 T	MTBS 2550-40 T	MTBS 3130-30 T	MTBS 3130-40 T
Art no.		3815613	3815615	3815620	3815625	3815630	3815631
Working width	mm	1320	1530	2090	2530	3100	3080
Cutting capacity (400 N/mm ²)	mm	3	4	4	4	3	4
Cutting capacity (700 N/mm ²)	mm	1.5	2.5	2.5	2.5	1.5	2.5
Travel range rear stop	mm	600	750	750	750	750	750
Cuts per minute		40	40	38	38	38	38
Air consumption per cycle	l	10	12	13	13	14	14
Motor power ~50 Hz	kW	3.0 / 400	5.5 / 400	7.5 / 400	7.5 / 400	7.5 / 400	11.0 / 400
Rear stop motor power	kW/V	0.37	0.37	0.37	0.37	0.37	0.37
Dimensions (L x W x H) approx.	mm	2070 x 2120 x 1110	2320 x 2360 x 1280	2880 x 2360 x 1280	3320 x 2360 x 1280	3910 x 2360 x 1280	3910 x 2500 x 1500
Weight approx.	kg	1190	2240	2650	3050	3660	5000

Options (only possible ex works)	Art. no.	Spare blade sets	Art. no.	Mobile sheet stacking trolley up to 300 kg	Art. no.
Centralised lubrication via hand pump	3887210	for MTBS 1350-30 T	3887240	for MTBS 1350-30 T	3887225
Extension of motorised backgauge from 750 mm to 1000 mm	3887211	for MTBS 1540-40 T	3887241	for MTBS 1540-40 T	3887226
		for MTBS 2100-40 T	3887242	for MTBS 2100-40 T	3887227
		for MTBS 2550-40 T	3887243	for MTBS 2550-40 T	3887228
		for MTBS 3130-30 T	3887244	for MTBS 3130-30 T	3887229
		for MTBS 3130-40 T	3887245	for MTBS 3130-40 T	3887229

Accessory	Art. no.
Adjustable angle stop 0-180°	3887220

HTB DE 2006 / HTB DE 3006

Hydraulic swing-cutting sheet metal shears with cost-effective basic equipment

- ▶ Heavy and robust welded construction
- ▶ NC control Nuova Maper HT071
- ▶ Manual, central cutting gap adjustment via handwheel and scale
- ▶ Motorised backgauge 1000 mm with ball screws and solid guides
- ▶ Back gauge beam manually folds away for cutting sheets larger than 1000 mm for making cuts with excess length, greater than 1000 mm
- ▶ Side stop 1000 mm with scale, T-slot and tilting cam
- ▶ Two 1000 mm front support arms for simplified handling of large panels
- ▶ Table supports with transfer balls for easier handling of heavy and large panels
- ▶ Grille as front access protection
- ▶ First metre of the finger guard can be opened to make it easier to insert offcuts
- ▶ LED cutting line lighting with silhouette via adjustable wire
- ▶ Rear area protection via light curtain
- ▶ Single-acting cylinder for cutting, return stroke by means of spring force
- ▶ High-quality blades, suitable for cutting stainless steel
- ▶ Rotating blades, upper blade with two cutting edges and lower blade with four cutting edges
- ▶ Hydraulic and electronic components from renowned manufacturers

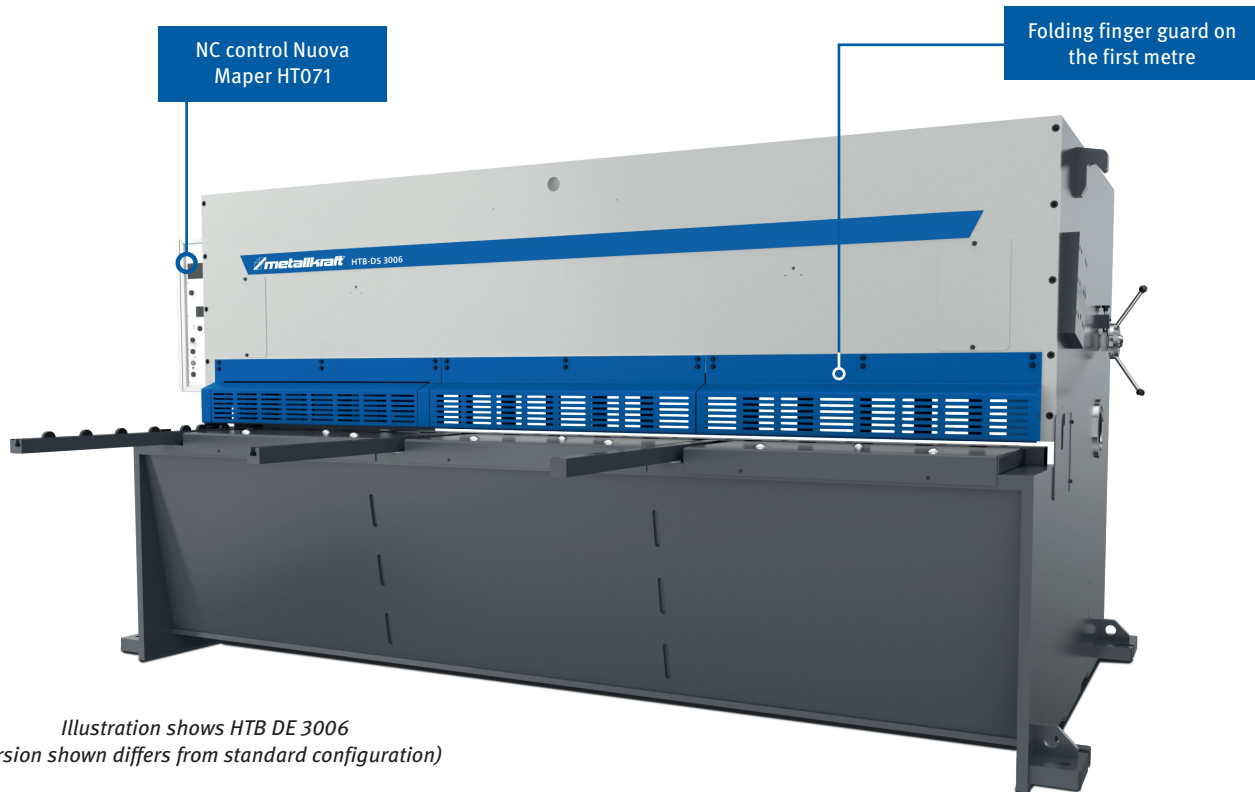


Illustration shows HTB DE 3006
(version shown differs from standard configuration)

Equipment options (only possible ex works)

- ▶ Cybelelec CybTouch 8 control unit
- ▶ Motorised cutting gap adjustment
- ▶ Front light curtain instead of finger guard
- ▶ Finger protection with viewing window
- ▶ Laser cutting line
- ▶ Surcharge for stainless steel table supports
- ▶ Extensions for the front support arms 2m & 3m with support leg
- ▶ Extension of the side stop 2m & 3m with support leg

ASK FOR YOUR PERSONALISED OFFER!

Model		HTB DE 2006	HTB DE 3006
Art. no.		4502206	4501306
Working width	mm	2096	3080
Cutting capacity (400 N/mm ²)	mm	6	6
Cutting capacity (700 N/mm ²)	mm	4	4
Cuts per minute		18	18
Outreach	mm	150	150
Deep machine body	mm	1620	1450
Air consumption per cycle	l	5.73	7.6
Power drive motor ~ 50 Hz	kW/ V	11 / 400	11 / 400
Dimensions (L x W x H) approx.	mm	2840 x 3000 x 1850	3840 x 2745 x 1700
Weight approx.	kg	5250	6500

Accessory	Art. no.
Removable mitre fence 0 - 180°	4531501
Standard set with upper and lower blade	4531601

HTBS BASIC S series - Swing cut guillotine shears equipped with NC backgauge and motorised cutting gap adjustment

- ▶ CybTouch 8 touchscreen NC control unit in swivel arm
- ▶ NC-controlled backgauge (5-1000mm) driven via ball screws and linearly guided
- ▶ Safety light curtain for the rear area
- ▶ Motorised cutting gap adjustment via the control unit
- ▶ Side stop 1500 mm with scale and T-slot
- ▶ Two front support arms 1000 mm with scale and T-slot
- ▶ Stainless steel table supports with integrated transfer balls
- ▶ Hold-down device with plastic caps to protect the material
- ▶ Variable cutting length adjustment via the control unit
- ▶ Folding finger guard 1000 mm with viewing window inserts
- ▶ Sheet metal chute in the back
- ▶ Cutting line lighting with silhouette
- ▶ Blade suitable for cutting stainless steel
- ▶ Upper blade with two cutting edges and lower blade with four cutting edges
- ▶ Electrical components from Schneider and Mitsubishi



HTBS BASIC S 3006
with special accessories



- ▶ Balls in the support table for better sheet handling
- ▶ Side stop 1500 mm with scale and T-slot



- ▶ Fold-up finger guard 1000 mm with viewing window



- ▶ CybTouch 8 control unit

Clear and intuitive operation thanks to clear and well-organised control functions

Special accessories

- ▶ Adjustable angle stop
- ▶ Laser cutting line display
- ▶ Finger guard can be opened along the entire length
- ▶ Front light barrier instead of the finger guard
- ▶ Additional front support arms
- ▶ Additional side stop on the right
- ▶ Extensions of the standard support arms, the side or backgauge
- ▶ Transfer ball in the side stop and the front support arms
- ▶ Servo motor for the backgauge
- ▶ Manual or automatic centralised lubrication
- ▶ Pneumatic sheet metal holding systems
- ▶ Small parts switch with pneumatic opening
- ▶ Oil cooler or oil warmer

ASK FOR YOUR PERSONALISED OFFER!

Technical data HTBS BASIC S		2006	2010	2506	2510	3006	3010	3013	3016	4006	4010	4013	4016
Art. no.		4205020	4205021	4205026	4205027	4205030	4205031	4205032	4205033	4205040	4205041	4205042	4205043
Working width	mm	2060	2060	2560	2560	3060	3060	3060	3060	4060	4060	4060	4060
Cutting capacity (400 N/mm ²)	mm	6	10	6	10	6	10	13	16	6	10	13	16
Cutting capacity (700 N/mm ²)	mm	4	6	4	6	4	6	8	10	4	6	8	10
Rear stop adjustment range up to	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Max. strokes with full cutting length	/min.	24	12	22	12	20	12	12	10	12	10	8	6
Side stop length	mm	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Air consumption per cycle	l	20	20	30	30	30	30	30	30	35	40	40	40
Drive motor 400 V~50 Hz	kW	11	22	11	22	11	22	30	37	11	30	37	45
Length dimensions approx.	mm	2900	2950	3530	3460	3900	3950	3950	4050	4950	5000	5040	5060
Width dimensions approx.	mm	3120	3450	3120	3450	3120	3450	3650	3650	3120	3450	3650	3650
Height dimension approx.	mm	1900	2200	1900	2200	1900	2200	2300	2300	1900	2100	2300	2300
Weight approx.	kg	5100	7600	5450	8300	6550	10200	12100	16100	9510	13800	16500	20500

HTB DS series

Hydraulic swing-cutting sheet metal shears with motorised cutting gap adjustment and NC-controlled backgauge

- ▶ Heavy and robust welded steel construction
- ▶ Cutting and return stroke movement via hydraulic cylinders
- ▶ Front finger guard with viewing windows
- ▶ Hydraulic return stroke of the cutting beam
- ▶ Motorised cutting gap adjustment via CNC control
- ▶ Cutting length adjustment via control unit
- ▶ Top blade with pretensioning system
- ▶ Hinged finger guard with viewing window
- ▶ Stainless steel table supports with integrated transfer balls
- ▶ Motorised backgauge 1000 mm with ball screws
- ▶ Side stop 1000 mm with scale and T-slot
- ▶ Two front support arms 1000 mm
- ▶ LED cutting zone lighting with shadow gap via adjustable wire
- ▶ Rear area protection via safety light curtain
- ▶ High-quality top blade with two cutting edges and bottom blade with four cutting edges

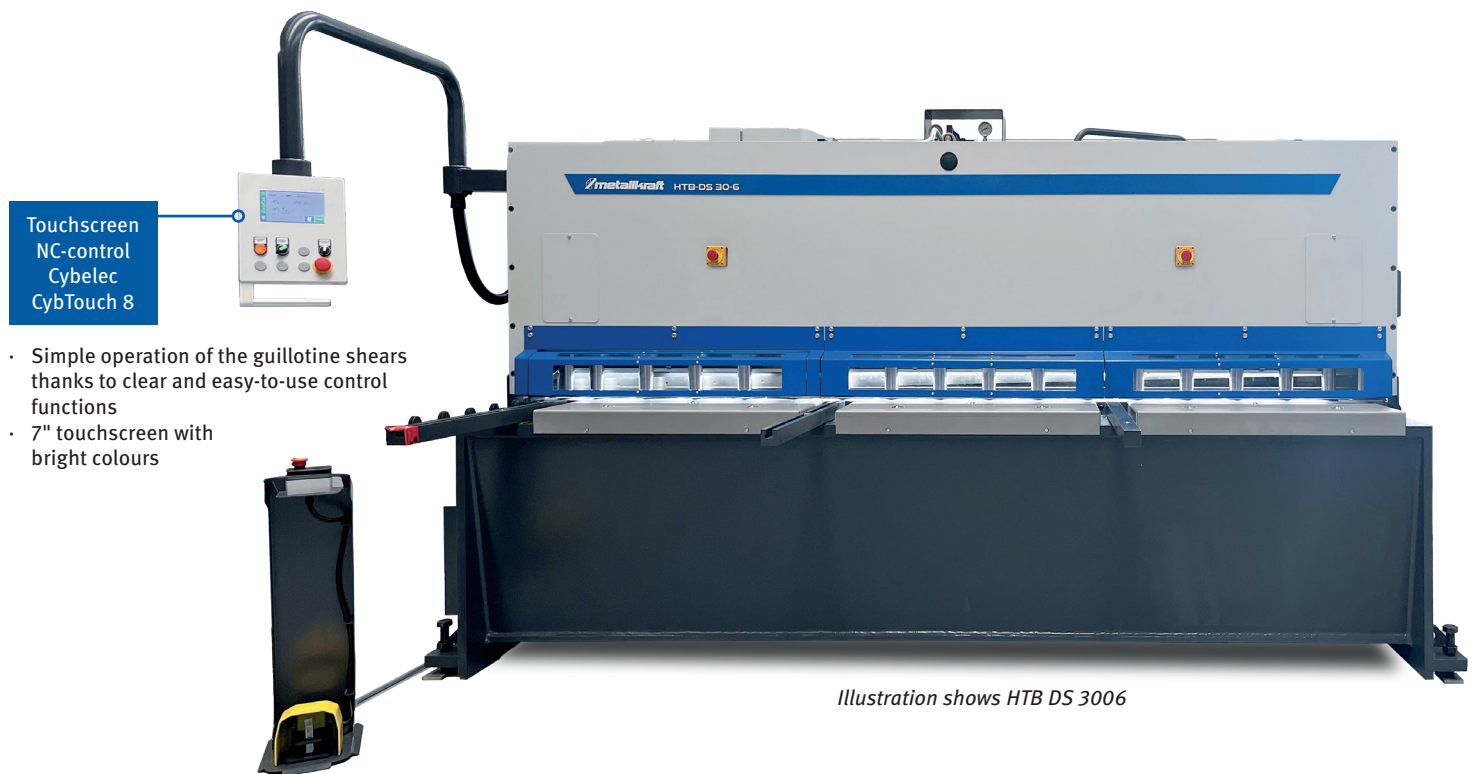


Illustration shows HTB DS 3006

Touchscreen
NC-control
Cybelec
CybTouch 8

- Simple operation of the guillotine shears thanks to clear and easy-to-use control functions
- 7" touchscreen with bright colours

Equipment options (only possible ex works)

- ▶ Front light curtain instead of finger guard
- ▶ Finger protection with viewing window
- ▶ Laser cutting line
- ▶ Extensions for the front support arms 2m & 3m with support leg
- ▶ Extension of the side stop 2m & 3m with support leg
- ▶ Pneumatic sheet support in the rear area standard 1-stage / capacity up to 6 mm

Model		HTB DS 3006	HTB DS 3010	HTB DS 3013	HTB DS 3016	HTB DS 4006	HTB DS 4013
Art. no.		4502306	4502310	4502313	4502316	4502406	4502413
Working width	mm	3120	3120	3120	3120	4160	4160
Cutting capacity (400 N/mm ²)	mm	6	10	13	16	6	13
Cutting capacity (700 N/mm ²)	mm	4	6	8	10	4	8
Max. strokes with full cutting length	/min.	18	12	12	12	14	8
Outreach	mm	150	150	150	150	150	150
Deep machine body	mm	1900	2050	2050	2150	1900	2050
Air consumption per cycle	l	7.6	7.6	7.6	7.6	9.5	9.5
Power drive motor ~ 50 Hz	kW/ V	11 / 400	22 / 400	30 / 400	30 / 400	11	30
Dimensions (L x W x H) approx.	mm	3840 x 2745 x 1700	3850 x 3060 x 1850	3850 x 3160 x 2000	3875 x 3200 x 2170	4890 x 2750 x 1820	4930 x 3160 x 2100
Weight approx.	kg	8800	12500	14000	16120	10400	16850

HTB DK series

Hydraulic sheet metal shears with controlled cutting angle and cutting gap adjustment

- ▶ Very heavy and robust welded construction
- ▶ CybeleC CybTouch8 touchscreen NC control unit
- ▶ Automatic cutting angle and cutting gap adjustment depending on material type and thickness
- ▶ Higher cycle rates and better cutting quality possible thanks to cutting angle adjustment
- ▶ Motorised rear stop 1000 mm with ball screws and solid guides
- ▶ Side stop 1000 mm with scale, T-slot and tilting cam
- ▶ Two 1000 mm front support arms for simplified handling of large panels
- ▶ Stainless steel table supports fitted with transfer balls for easier handling of heavy and large boards
- ▶ Front finger guard with viewing window
- ▶ First metre of the finger guard can be opened to make it easier to insert offcuts
- ▶ LED cutting line lighting with silhouette via adjustable wire
- ▶ Rear area protection via safety light curtain
- ▶ Double-acting cylinders for the cutting and return stroke of the cutter bar
- ▶ High-quality blades, suitable for cutting stainless steel
- ▶ Rotating blades, upper blade with two cutting edges and lower blade with four cutting edges
- ▶ Hydraulic and electronic components from renowned manufacturers



HTB DK 3010

Equipment options (only possible ex works)

- ▶ Front light curtain instead of finger guard
- ▶ Laser cutting line for HTB DK 3-4 & HTB DK 6
- ▶ Transfer balls in the side stop and/or the front support arms
- ▶ Extensions for the front support arms 2m & 3m with support leg
- ▶ Extension of the side stop 2m & 3m with support leg
- ▶ Pneumatic sheet support in the rear area "Special" 2-stage / capacity up to 6 mm

ASK FOR YOUR PERSONALISED OFFER!

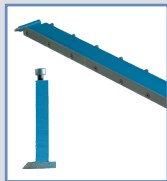
HTB DK		3006	3010	3013	3016	3020	4006	4013	4016	4020	6006	6013	6016	6020
Art. no.		4510306	4510310	4510313	4510316	4510320	4510406	4510413	4510416	4510420	4510606	4510613	4510616	4510620
Working width	mm	3035	3040	3040	3060	3060	4065	4065	4065	4065	6125	6125	6160	6125
Cutting capacity (400 N/mm ²)	mm	6	10	13	16	20	6	13	16	20	6	13	16	20
Cutting capacity (700 N/mm ²)	mm	4	6	8	10	13	4	8	10	13	4	8	10	13
Max. strokes with full cutting length	/min.	29 – 12	20 – 11	17 – 8	13 – 6	12 – 5	23 – 9	13 – 6	13 – 6	12 – 5	14 – 6	11 – 5	10 – 5	10 – 5
Spindle - column distance	mm	350	350	350	350	350	350	350	350	350	350	350	350	350
Air consumption per cycle	l	5.78	5.78	9.4	11.52	9.4	6.59	11.52	n.s.	n.s.	15.05	15.05	10.36	n.s.
Drive motor 400 V~50 Hz	kW	11	22	30	30	37	11	30	30	37	11	30	45	45
Length dimensions approx.	mm	3773	3850	3850	3870	3910	4830	4850	4930	4950	6910	7090	7200	7200
Width dimensions approx.	mm	2955	2960	3270	3315	3395	2955	3300	3300	3390	3610	3185	3700	3700
Height dimension approx.	mm	2260	2260	2260	2280	2640	2130	2200	2200	2570	2780	2665	2780	2780
Weight approx.	kg	8800	10700	13500	15800	20000	11500	18500	21000	25000	27500	35500	49500	55000

HSBM series - Manual folding machines

- ▶ Secure clamping of the workpiece thanks to eccentric lever
- ▶ Simple adjustment of the bending angle via a stop, ensuring high repeat accuracy



Attachment kits for HSBM 1050 N



Attachment kit H
high upper beam



Attachment kit HSG
high segmented upper beam with crowbar

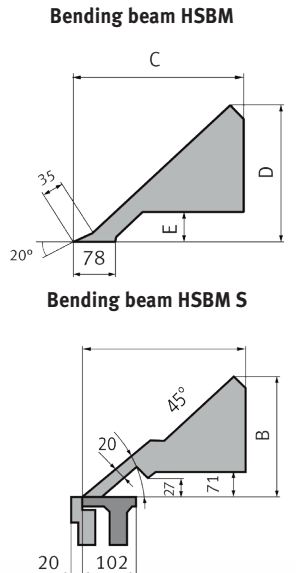
Option HSBM 1020-10	Art. no.
Hardened segments	3772700

Technical data		HSBM 305 HS	HSBM 610 HS	HSBM 1020-10	HSBM 1050 N	Attachment kit H	Attachment kit HSG
Art no.		3772305	3772610	3771020	3771050	3771051	3771053
Bending capacity (235 N/mm ²) ²⁾	mm	1.0	1.0	1.0	1.25	1.25	1.20
Working width max.	mm	305	610	1020	1050	1050	1050
Bending angle max.	°	135	135	135	135	93	93
Dimensions (L x W x H) approx.	mm	500 x 350 x 410	850 x 360 x 420	1276 x 550 x 975	1300 x 570 x 1000	1250 x 570 x 1060	1250 x 570 x 1070
Weight approx.	kg	30	42	105	71	91	93

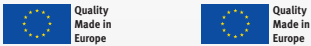
¹⁾ Tool height with optional attachment kits H or HSG

HSBM - Manual swivel bending machines in heavy-duty design

- ▶ Manual operation of the clamping beam for quick and easy handling of the bending material
- ▶ Heavy welded steel construction
- ▶ For easy bending with precise adjustment of the bending angle using a scale ring
- ▶ Particularly low maintenance
- ▶ Stop for bending angle adjustment
- ▶ S- and SB-design with segmented upper tools for circumferential bends up to 25 mm high



Type	Segmentation
HSBM 2020-20 S	25-30-35-40-45-50-75-100-150-200-200-270-400-400
HSBM 2020-20 SB	25-30-35-40-45-75-100-150-200-200-270-400-400



Technical data		HSBM 2020-20	HSBM 2020-20 S	HSBM 2020-20 SB
Art no.		3779002	3779011	3772920
Working width max.	mm	2020	2020	2020
Bending capacity (400 N/mm ²) ¹⁾	mm	2.0	2.0	2.0
Bending capacity (700 N/mm ²)	mm	1.25	1.25	1.25
Opening between upper & lower beam max.	mm	120	120	120
Dimensions (L x W x H) approx.	mm	3180 x 570 x 1270	3180 x 570 x 1270	2800 x 710 x 1500
Weight approx.	kg	1080	1080	1020

Dimensions

Bending beam HSBM SB **Bending beam HSBM**

L	A	B	C	D	E
1500	360	335	340	305	49
2000	360	335	340	305	49
2500	370	340	345	310	49
3000	370	340	345	310	49

Width of the bending bar 20 mm

Option HSBM 2020-20SB	Art. no.
Manual backgauge 0 - 500 mm	3772921
Hardened segments	3772922

HSBM 1050-15 HSG / HSBM 1250-12 HSG

Manual swivel bending machines, crowbar tools, segmented bed support and bending bar

- ▶ Segmented crowbar tool 100 mm with quick-change system in the upper beam
- ▶ Segmented bending bar and segmented bed support, both with quick-change system
- ▶ Clear opening 100 mm
- ▶ Backgauge up to 500 mm
- ▶ Tool-free adjustable stop for bending angle adjustment
- ▶ Tools made of 42CrMo4 with 60 HRC, laser-hardened and ground. Suitable for bending stainless steel
- ▶ Easy clamping and releasing of the upper beam thanks to spring support
- ▶ Bending beam supported by spring system
- ▶ Quick foot clamping for fixing the workpiece
- ▶ Transport rollers with parking brake
- ▶ With tool storage box and front storage area



HSBM 1050-15 HSG



- All three tools segmented and with quick-change system



- Backgauge 500 mm



- Quick foot clamping (short stroke approx. 20 mm)



- Bending angle stop



- Clamping lever with spring support

Type	Segmentation
HSBM 1050-15 HSG	100-100-100-100-100-100-100-70-60-50-40-30-100mm
HSBM 1250-12 HSG	100-100-100-100-100-100-100-100-70-60-50-40-30-100-100-100mm

Technical data		HSBM 1050-15 HSG	HSBM 1250-12 HSG
Art no.		4120010	4120012
Working width max.	mm	1050	1250
Steel bending capacity (400 N/mm ²)	mm	1.5	1.25
Bending capacity (700 N/mm ²)		1	0.8
Aluminium bending capacity (235N/mm ²)		2.2	2
Bending angle max.		135°	135°
Clear opening with/without upper tool	mm	100/200	100/200
Dimensions (L x W x H) approx.	mm	750 x 1300 x 1515	750 x 1500 x 1715
Weight approx.	kg	280	315

FSBM series - Manual folding machines

- ▶ The workpiece is clamped using a foot pedal, leaving both hands free for material handling
- ▶ With angled, segmented top beam as standard (except for FSBM 1020-20HSG)
- ▶ The powerful auxiliary cylinder facilitates bending
- ▶ Opening between upper and lower beam of up to approx. 50 mm



With crowbar - perfect for roofers



FSBM 1020-20 S2

With segmented sharp bending tools, segmented bending bar and continuous bed support



FSBM 1020-20 HSG

With high, segmented upper beam, segmented bed support and segmented bending bar



Technical data		FSBM 1020-25 E	FSBM 1020-20 S2	FSBM 1020-20 HSG	FSBM 1270-20 E	FSBM 1270-20 HS2	FSBM 1520-15 E	FSBM 2020-12 E
Art no.		3772125	3772102	3770103	3772127	3772128	3772129	3772130
Bending capacity (400 N/mm ²)	mm	2.5	2.0	2.0	2.0	2.0	1.5	1.2
Bending capacity (600 N/mm ²) ¹⁾	mm	1.5	1.2	1.2	1.2	1.2	0.9	0.7
Working width max.	mm	1020	1020	1020	1270	1270	1520	2020
Bending angle max.	°	135	135	150	135	135	135	135
Dimensions (L x W x H) approx.	mm	1350 x 800 x 1130	1350 x 800 x 1130	1280 x 620 x 1200	1600 x 800 x 1130	1600 x 800 x 1130	1850 x 770 x 1130	2290 x 820 x 1180
Weight approx.	kg	290	325	360	340	370	415	540

1) Optional tools are essential for bending stainless steel

Type	Segmentation
FSBM 1020-25 E	25-30-35-40-45-50-75-100-150-200-270 mm
FSBM 1020-20 S2	25-30-35-40-45-50-75-100-150-200-270 mm
FSBM 1020-20 HSG	25-30-35-40-45-50-75-100-150-200-270 mm
FSBM 1270-20 E	25-30-35-40-45-50-75-100-150-200-250-270 mm
FSBM 1270-20 HS2	25-30-35-40-45-50-75-100-150-200-250-270 mm

Accessory (except 3770103)	Art. no.
Backgauge up to 300 mm	3772720

MBM 1250 - Magnetic swivel bending machine

- ▶ Simple, fast and convenient operation
- ▶ Compact & space-saving
- ▶ Ideal for bending aluminium, copper, steel, stainless steel, etc.
- ▶ Precise bending angle adjustment up to 170 °
- ▶ Powerful electromagnetic clamping system for precise bending results
- ▶ Clamping across the entire width guarantees a clean bend
- ▶ Segmentation: 25 - 40 - 50 - 70 - 140 - 280 - 700 - 1250 mm

Scope of delivery

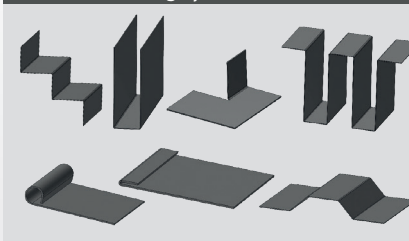
- Bending angle stop
- Widening of bending beam
- Backgauge
- Sharp bending rails
- Segmented upper beam
- Slotted bending rail
- 7 bending segments
- Foot pedal



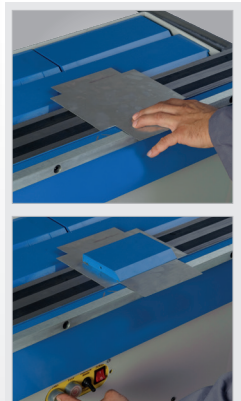
- ▶ With practical shelves for all individual segments and bending rails

Technical data		MBM 1250
Art no.		3770125
Bending width max.	mm	1250
Fixing pressure	t	6
Workpiece thickness ²⁾		
Sheet steel (max. tensile strength 400 N/mm ²), aluminium, copper, zinc, brass	mm	1.6 ³⁾ / 1.2 ⁴⁾
Stainless steel	mm	1.0 ³⁾ / 0.9 ⁴⁾
Aluminium	mm	1.2 ³⁾ / 1.0 ⁴⁾
Dimensions (L x W x H) approx.	mm	1500 x 410 x 390
Weight approx.	kg	150

Numerous bending options:



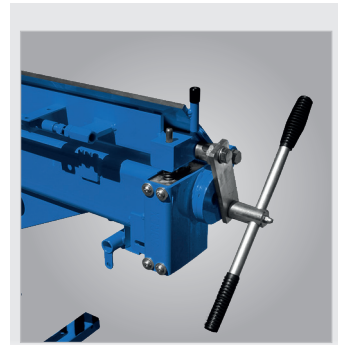
Note: Do not use the machine with a pacemaker



2) Only possible with optional tools 3) Bending beam extension removed 4) Bending beam extension fitted

HSBM series – Lightweight manual swivel bending machines with chassis

- ▶ Versatile and mobile
- ▶ Ideal for roofers and tinsmiths in installation work, e.g. for making bay and valley flashings or chimney cladding
- ▶ Lightweight construction for mobile use. Depending on the material, fine adjustment may be necessary.
- ▶ Equipped with transport rollers with parking brake
- ▶ Safe, material-friendly operation
- ▶ Secure fixing of the workpiece via lever
- ▶ Swivel bending process via bow handle



HSBM 1160-1.5
Illustration shows optional accessories:
Wooden step support (Art. no.: 3792093)
Foot pedal for upper beam (art. no: 3792092)

Comprehensive accessories available



HSBM 3160-0.7

Technical data		HSBM 1160-1.5	HSBM 2160-1.0	HSBM 2660-0.8	HSBM 3160-0.7
Art no.		3775011	3775021	3775026	3775031
Working width max.	mm	1150	2000	2500	3000
Bending capacity (400 N/mm ²)	mm	1.5	1.0	0.8	0.8
Dimensions (L x W x H) approx.	mm	1550 x 660 x 1060	2500 x 660 x 1000	2950 x 660 x 1000	3550 x 660 x 1000
Weight approx.	kg	155	244	304	415

Accessory	HSBM 1160-1.5	HSBM 2160-1.0	HSBM 2660-0.8	HSBM 3160-0.7	Art. no.
Roller shears	✓	✓	✓	✓	3792050
Spare blade set	✓	✓	✓	✓	3792051
Degree scale	✓	✓	✓	✓	3792053
Turret stop	✓	✓	✓	✓	3792054
Handles	✓	✓	✓	✓	3792056
Height adjustment	✓	✓	✓	✓	3792057
Seam closer	✓	✓	✓	✓	3792063
Gas spring for lower beam	✓	✓	✓	✓	3792058
Rear stop 1000 mm	✓				3792090
Rear stop 1000 mm		✓	✓		3792052
Rear stop 1000 mm				✓	3792086
Front stop	✓			✓	3792091
Front stop		✓			3792055
Front stop			✓		3792070
Front stop				✓	3792080
Foot pedal for upper beam	✓				3792092
Foot pedal for upper beam		✓			3792059
Foot pedal for upper beam			✓		3792071
Foot pedal for upper beam				✓	3792081
Drop moulding for sheet metal sections		✓			3792060
Drop moulding for sheet metal sections			✓		3792072
Drop moulding for sheet metal sections				✓	3792082
Beading device Ø 16 mm		✓			3792062
Beading device Ø 16 mm			✓		3792074
Beading device Ø 16 mm				✓	3792085
Wooden step support	✓				3792093
Wooden step support		✓			3792061
Wooden step support			✓		3792073
Wooden step support				✓	3792084



HSBM 2160-1.0
Illustration shows optional accessories:
Wooden step support (Art. no.: 3792061)
Foot pedal for upper beam (art. no: 3792059)
Backgauge (Art. no: 3792052)
Roller shears (Art. no: 3792050)
Handles (Art. no: 3792056)
Degree scale (Art. no: 3792053)
Height adjustment of the upper beam (art. no: 3792057)
Turret stop 4x 0° - 160° (art. no.: 3792054)

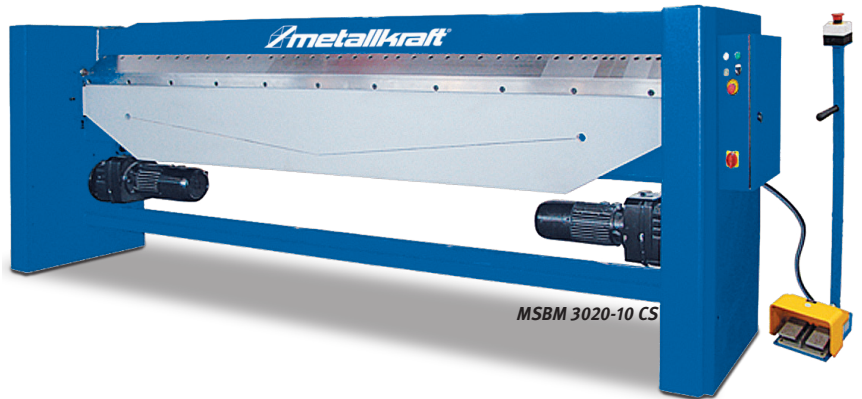
MSBM 2020-15 CS / MSBM 2520-10 CS - Motorised swivel bending machines

Robust design with motorised drive of the upper and bending beam with segmented upper beam

- ▶ Foot operation enables positioning of the sheet with both hands
- ▶ Workpiece clamping and bending process are motorised via a chain drive
- ▶ Manual setting of the bending angle, reading of the angle on a scale ring
- ▶ Many bending options with segmented upper beam
- ▶ Precise movement of the clamping beam via large-dimensioned flat guides
- ▶ Heavy, robust welded construction

Scope of delivery	
•	Scale for bending angle
•	Foot pedal with emergency stop

Type	Segmentation
MSBM 2020-15 CS	25-30-35-40-45-50-75-100-150-200-200-270-400-400
MSBM 2520-10 CS	25-30-35-40-45-50-75-100-100-150-200-200-270-400-400-400
MSBM 3020-10 CS	25-30-35-40-45-50-75-100-150-200-200-200-270-400-400-400-400



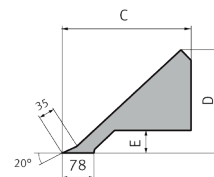
Technical data		MSBM 2020-15 CS	MSBM 2520-10 CS
Art no.		3772940	3772945
Working width max.	mm	2020	2520
Bending capacity (230 N/mm ²)	mm	2	1.5
Bending capacity (400 N/mm ²)	mm	1.5	1.0
Bending capacity (700 N/mm ²)	mm	0.8	0.5
Bending angle max.	°	135	135
Opening between upper and lower beam	mm	100	100
Output power beam/bending	kW	0.37 / 0.75	0.37 / 0.75
Electrical connection ~50 Hz	V	400	400
Dimensions (L x W x H) approx.	mm	2680 x 640 x 1100	3180 x 640 x 1100
Weight approx.	kg	965	1310

MSBM series - Semi-motorised heavy-duty swivel bending machines for sheet thicknesses up to 3.0 mm

- ▶ Partially motorised design - manual operation of the upper beam, motorised bending process
- ▶ With manual adjustment of the bending angle
- ▶ using a scale ring as standard
- ▶ Particularly low maintenance
- ▶ With foot control
- ▶ Developed for professional use
- ▶ Heavy, compact welded construction
- ▶ S models
- ▶ With segmented upper beam



Bending beam MSBM

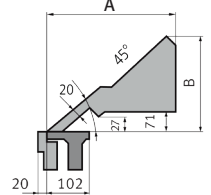


Dimensions approx.
Bending beam MSBM

L	C	D	E
1500	340	305	49
2000	340	305	49
2500	345	310	49
3000	345	310	49

Width of the bending bar 20 mm

Bending beam MSBM S



Dimensions approx.
Bending beam MSBM S

L	A	B
1500	360	335
2000	360	335
2500	370	340
3000	370	340

Width of the bending bar 20 mm

Type	Segmentation
MSBM 1520-30/S	25-30-35-40-45-50-75-100-150-220-250-500
MSBM 2020-25/S	25-30-35-40-45-50-75-100-150-200-200-270-400-400

Technical data		MSBM 1520-30	MSBM 2020-25	MSBM 1520-30 S	MSBM 2020-25 S
Art no.		3779030	3779031	3779040	3779041
Working width max.	mm	1520	2020	1520	2020
Bending capacity (400 N/mm ²)	mm	3.0	2.5	3	2.5
Bending capacity (600 N/mm ²)	mm	2.0	1.75	2.0	1.75
Opening between upper and lower beam	mm	140	140	140	140
Motor power ~50 Hz	kW	1.1 / 400	1.1 / 400	1.1 / 400	1.1 / 400
Dimensions (L x W x H) approx.	mm	2475 x 560 x 1290	2975 x 560 x 1290	2475 x 560 x 1290	2975 x 560 x 1290
Weight approx.	kg	1060	1450	1060	1450

2) Performance data based on material with tensile strength 400 N/mm²; bending capacity stainless steel: Factor 0.65; bending capacity aluminium: Factor 1.4; optional tool is required for bending VA 2) Bending capacity VA or steel 700 N/mm²

MSBM PRO series - Heavy-duty version with motorised clamping of the workpiece

- ▶ Powerful and quiet drive via LENZE geared motors with brake
- ▶ Compact, heavy and stress-free welded steel construction
- ▶ Sharp bending rail made of C50 tool steel on the clamping beam
- ▶ Continuous, replaceable bed support made of C50 tool steel
- ▶ Continuous bending rail made of C50 tool steel on the bending beam
- ▶ Automatic pressure regulation of the clamping beam via motor current pick-up
- ▶ Drive of the clamping beam via generously dimensioned trapezoidal threaded spindles
- ▶ Manually fine-adjustable bending beam with scale
- ▶ Manual crowning via pressure screws in the bending beam
- ▶ Foot remote control with emergency stop function
- ▶ All moving parts mounted on low-maintenance bearings
- ▶ Electrical components from Schneider or Omron

SH models

- ▶ with high, segmented crowbar tools

Available on request:

- ▶ Models in DUO design with continuous sharpening rail and segmented crowbar tools



· serial control MA - manual adjustment of the bending angle using the scale ring on the left-hand side



MSBM 2020-40 Pro SH
With option: NC 1 control unit

Convince yourself of our capabilities and ask for individual advice

Type	Segmentation
MSBM 2020-40 PRO & SH	25-30-35-40-45-50-75-
MSBM 2020-30 PRO SH	100-150-220-250-500
MSBM 2520-35 PRO SH	25-30-35-40-45-50-75-100-150-220-250-500-500

Scope of delivery Warehouse equipment:

- › Hardened tools
- › Bending angle adjustment PT 1 via potentiometer on the front of the machine (right)
- › Backgauge 6 - 760 mm, with handwheel, measuring device and stop fingers
- › Quick clamping for upper tool

Technical data		2020-40 PRO	2020-40 PRO SH	2020-30 PRO SH	2020-40 PRO SH	2520-35 PRO SH
Art no.		3779124	3779134	37791311	37791341	37791351
Working width max.	mm	2020	2020	2020	2020	2020
Bending capacity (400 N/mm ²)	mm	4	4	3	4	3.5
Bending capacity (600 N/mm ²) ²⁾	mm	3	3	2	3	2.5
Opening between upper and lower beam	mm	200	90	90	90	90
Output beam/bending	kW	1.1/4.0	1.1/4.0	0.75/3.0	0.75/3.0	1.1/4.0
Dimensions (L x W x H) approx.	mm	3020 x 1100 x 1560	3020 x 1100 x 1560	2935 x 1100 x 1560	3020 x 1100 x 1560	3620 x 1100 x 1560
Weight approx.	kg	3900	3900	3050	3900	4500

2) Only possible with optional tools

MSBM 2515 NC / MSBM 3210 NC

Motorised swivel bending machines with NC control

Standard version

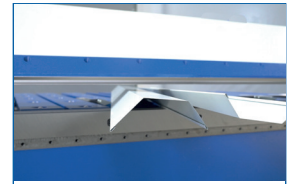
- ▶ Clamping beam with eccentric drive for fast clamping and opening cycle
- ▶ Continuous sharp bending rail with 20° R1
- ▶ One narrow and one wide continuous bending bar included in the scope of delivery (10 mm and 25 mm)
- ▶ Manual sheet thickness adjustment of the bending beam
- ▶ Front safety area secured via light curtain
- ▶ 3-way foot pedal for one-man operation
- ▶ Servomotorised rear stop with 750 mm travel range with flat, rotating stop fingers - therefore no grooves in the support table for impression-free bending

- ▶ Large, rectangular support table in the rear area with integrated transfer balls for easy material handling
- ▶ User-friendly 15.6" touchscreen NC control unit on ergonomic swivel arm

Special accessories

- ▶ Backgauge extensions with 1000mm
- ▶ Graphic 2D controls
- ▶ Fast, servo-motorised sheet thickness adjustment of the bending beam
- ▶ Sharp bending rails with different radii

2550 x 1.5mm to 3200 x 1mm



MAIN FEATURE

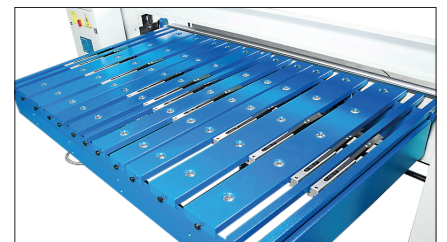
Designed for very high cycle rates



Illustration shows MSBM 2030 NC



User-friendly 15.6" touchscreen NC control unit on ergonomic swivel arm



Large, rectangular support table in the rear area with integrated transfer balls for easy material handling

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Model		MSBM 2515 NC	MSBM 3210 NC
Art. no.		4131250	4131320
Technical data			
Working width	mm	2515	3210
Bending capacity 400 N/mm ²	mm	1.5	1
Bending capacity 700 N/mm ²	mm	1	0.6
Bending capacity Aluminium	mm	2	1.5
Total input power	kW	4.5	4.5
Dimensions (L x W x H) approx.	mm	3800 x 2100 x 1650	4500 x 2100 x 1650
Weight approx.	kg	2500	2900

MSBM 2025 NC / MSBM 2520 NC / MSBM 3215 NC Motorised swivel bending machines with NC control

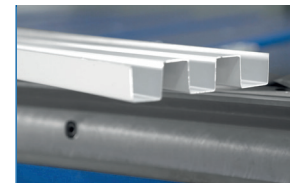
2050 x 2.5mm to 3200 x 1.5mm

Standard version

- ▶ Clamping beam with eccentric drive for fast clamping and opening cycle
- ▶ Upper beam opening with 180mm
- ▶ Bending angle 0°-150°
- ▶ One narrow and one wide continuous bending bar included in the scope of delivery (10 mm and 25 mm)
- ▶ Manual sheet thickness adjustment of the bending beam
- ▶ Front safety area secured via light curtain
- ▶ 3-way foot pedal for one-man operation
- ▶ Servomotorised rear stop with 750 mm travel range with flat, rotating stop fingers - therefore no grooves in the support table for impression-free bending
- ▶ Large, rectangular support table in the rear area with integrated transfer balls for easy material handling
- ▶ User-friendly 15.6" touchscreen NC control unit on ergonomic swivel arm

Special accessories

- ▶ Backgauge extensions with a length of 1000 mm or 1500 mm
- ▶ Omega geometry of the bending beam and lower beam for maximum flexibility with bevelled sheet metal thanks to more free space for the workpiece
- ▶ Graphic 2D or 3D controls
- ▶ Fast, servo-motorised sheet thickness adjustment of the bending beam
- ▶ 60 mm or 90 mm high segmented crowbar tools to complement the sharpening rail
- ▶ Pneumatic upper tool clamping of the segmented crowbars
- ▶ Central, manual crowning system of the bending beam
- ▶ Motorised two-axis rear stop for inclined position
- ▶ Manual adjustment of the rear stop fingers for inclined position
- ▶ Second foot pedal for two-man operation

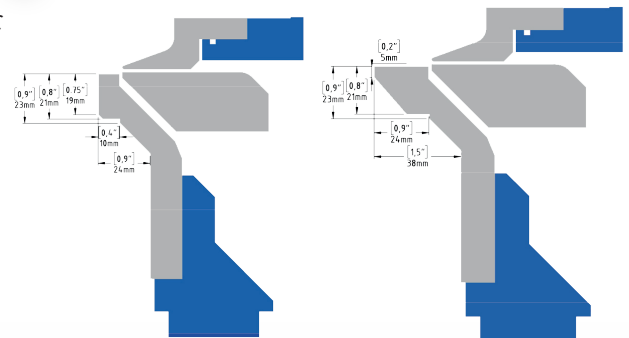


MAIN FEATURE

Ideal for tinsmith profiles and roofers



Illustration shows MSBM 2025 NC



ASK FOR YOUR PERSONALISED OFFER!

Thanks to the omega geometry of the bending and lower beam the bending of trapezoidal sheets is possible (option)

Model		MSBM 2025 NC	MSBM 2520 NC	MSBM 3215 NC
Art. no.		4132200	4132250	4132320
Technical data				
Working width	mm	2025	2520	3215
Bending capacity 400 N/mm ²	mm	2.5	2	1.5
Bending capacity 700 N/mm ²	mm	1.5	1.2	1
Bending capacity Aluminium	mm	3.5	3	2
Total input power	kW	4.5	4.5	4.5
Dimensions (L x W x H) approx.	mm	3350 x 2100 x 1860	3830 x 2100 x 1860	4450 x 2100 x 1860
Weight approx.	kg	2550	3000	3300

MSBM NC series

Motorised swivel bending machines with NC control

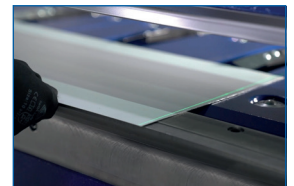
Standard version

- ▶ Clamping beam with eccentric drive for fast clamping and opening cycle
- ▶ Large, clear upper beam opening with 220 mm
- ▶ One narrow and one wide continuous bending bar included in the scope of delivery (10 mm and 25 mm)
- ▶ Manual sheet thickness adjustment of the bending beam
- ▶ Front safety area secured via light curtain
- ▶ 3-way foot pedal for one-man operation
- ▶ Servomotorised rear stop with 1000 mm travel range with flat, rotating stop fingers - therefore no grooves in the support table for impression-free bending
- ▶ Large, rectangular support table in the rear area with integrated transfer balls for easy material handling
- ▶ User-friendly 15.6" touchscreen NC control unit on ergonomic swivel arm

Special accessories

- ▶ Back gauge extensions with a length of 1500, 2500, 3200 or 4200 mm
- ▶ Different support table geometries. L-, T- or U-shape
- ▶ Omega geometry of the bending beam and lower beam for maximum flexibility with bevelled sheet metal thanks to more free space for the workpiece
- ▶ Graphic 2D or 3D controls
- ▶ Fast, servo-motorised sheet thickness adjustment of the bending beam
- ▶ 90 mm or 110 mm high segmented crowbar tools to complement the sharpening rail
- ▶ Pneumatic upper tool clamping of the segmented crowbars
- ▶ Central, manual crowning system of the bending beam
- ▶ Motorised two-axis rear stop for inclined position
- ▶ Manual adjustment of the rear stop fingers for inclined position
- ▶ Second foot pedal for two-man operation

2050 x 4mm to 4200 x 2.5mm



MAIN FEATURE

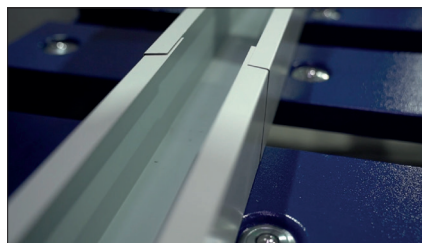
High cycle rate due to eccentric drive of the upper clamping beam



Illustration shows MSBM 2030 NC



Angularly adjustable servomotorised rear stop enables the product range to be extended (optional)



The conical backgauge enables the production of interlocking telescopic profiles, for example

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Model		MSBM 2030 NC	MSBM 2525 NC	MSBM 3220 NC	MSBM 4215 NC
Art. no.		4133200	4133250	4133320	4133420
Technical data					
Working width	mm	2030	2525	3220	4200
Bending capacity 400 N/mm ²	mm	3	2.5	2	1.5
Bending capacity 700 N/mm ²	mm	2	1.5	1.2	1
Bending capacity Aluminium	mm	4	3.5	3	2
Total input power	kW	5.7	5.7	5.7	5.7
Dimensions (L x W x H) approx.	mm	3350 x 2400 x 1900	3830 x 2400 x 1900	4450 x 2400 x 1900	5450 x 2400 x 1900
Weight approx.	kg	3800	4050	4500	5350

MSBM C 2525 NC / MSBM C 3220 NC / MSBM C 4215 NC

Motorised swivel bending machine with NC control and swivelling upper beam

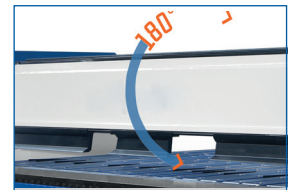
2550 x 2.5mm to 4200 x 1.5mm

Standard version

- ▶ Clamping beam with eccentric drive for fast clamping and opening cycle
- ▶ 180° rotating upper beam with two work stations - 100 mm high segmented crowbars and one-piece 30° sharp bending rail
- ▶ Large, clear upper beam opening with 200 mm
- ▶ One narrow and one wide continuous bending bar included in the scope of delivery (10 mm and 25 mm)
- ▶ Manual sheet thickness adjustment of the bending beam
- ▶ Front safety area secured via light curtain
- ▶ 3-way foot pedal for one-man operation
- ▶ Servomotorised backgauge with 1000 mm travel range with flat, rotatable stop fingers
- ▶ Large, rectangular support table in the rear area with integrated transfer balls for easy material handling
- ▶ User-friendly 15.6" touchscreen
NC control on ergonomic swivel arm

Special accessories

- ▶ Back gauge extensions with a length of 1500, 2500, 3200 or 4200 mm
- ▶ Different support table geometries. L-, T- or U-shape
- ▶ Omega geometry of the lower and upper beam for maximum flexibility with bevelled sheet metal thanks to more free space for the workpiece
- ▶ Graphic 2D or 3D controls
- ▶ Fast, servo-motorised sheet thickness adjustment of the bending beam
- ▶ Pneumatic upper tool clamping of the segmented crowbars
- ▶ Central, manual crowning system of the bending beam
- ▶ Motorised two-axis rear stop for inclined position
- ▶ Manual adjustment of the rear stop fingers for inclined position
- ▶ Second foot pedal for two-man operation

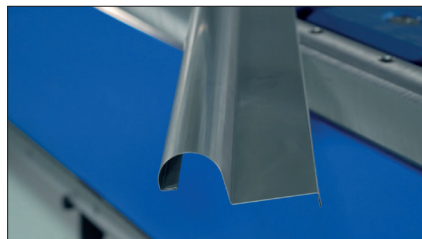
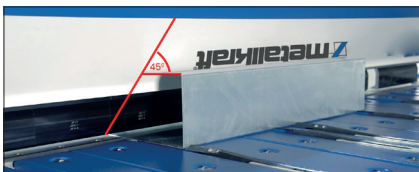


MAIN FEATURE

Very high flexibility and time savings thanks to swivelling upper beam with two tool stations - segmented, high crowbar tool and continuous sharpening rail



Illustration shows MSBM C 2525 NC



The 45° geometry on both sides of the rotating upper beam enables extremely flexible and simple production of narrow parts

Simple and fast production of radii thanks to step edging

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Model		MSBM C 2525 NC	MSBM C 3220 NC	MSBM C 4215 NC
Art. no.		4134250	4134320	4134420
Technical data				
Working width	mm	2525	3220	4215
Bending capacity 400 N/mm ²	mm	2.5	2	1.5
Bending capacity 700 N/mm ²	mm	1.5	1.2	1
Bending capacity Aluminium	mm	3.5	1.2	2
Total input power	kW	5.7	5.7	5.7
Dimensions (L x W x H) approx.	mm	3830 x 2400 x 1900	4450 x 2400 x 1900	5450 x 2400 x 1900
Weight approx.	kg	4200	4600	5500

MSBM-SERVO NC series

Servomotorised swivel bending machines with NC control

Standard version

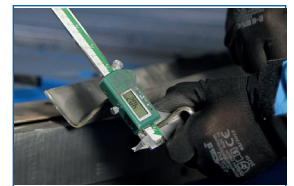
- ▶ Clamping beam driven by servomotors and ball screw for a high but adjustable clamping force
- ▶ Clear upper beam opening of 180 mm
- ▶ One-piece sharp bending rail with 30°
- ▶ One narrow and one wide continuous bending bar included in the scope of delivery (15 mm and 40 mm)
- ▶ Manual sheet thickness adjustment of the bending beam
- ▶ Front safety area secured via light curtain
- ▶ 3-way foot pedal for one-man operation
- ▶ Motorised rear stop with 1000 mm travel range with solid stop fingers and grooves in the bed support

- ▶ Large, rectangular support table in the rear area with integrated transfer balls for easy material handling
- ▶ User-friendly 15.6" touchscreen NC control unit on ergonomic swivel arm

Special accessories

- ▶ Segmented, 100 mm high crowbar tools
- ▶ Backgauge extensions with a length of 2500, 3200 or 4200 mm
- ▶ Different support table geometries. L-, T- or U-shape
- ▶ Graphic 2D or 3D controls
- ▶ Fast, servo-motorised sheet thickness adjustment of the bending beam
- ▶ Pneumatic upper tool clamping
- ▶ Central, manual crowning system of the bending beam
- ▶ Segmentation of the bed support and/or bending bar
- ▶ Second foot pedal for two-man operation

2050 x 5mm to 4200 x 3mm



MAIN FEATURE

Heavy-duty design with a bending capacity of up to 4 mm at a working width of 3200 mm

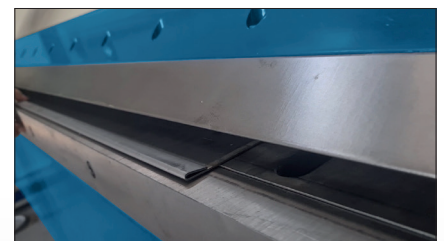


Illustration shows MSBM-SERVO 2050 NC

**ASK FOR YOUR
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Very high bending capacity thanks to the double-driven upper beam and bending beam



Folding capacity up to 2 mm on a working width of 3200 mm

Model		MSBM-SERVO 2050 NC	MSBM-SERVO 2545 NC	MSBM-SERVO 3240 NC	MSBM-SERVO 4230 NC
Art. no.		4135200	4135250	4135320	4135420
Technical data					
Working width	mm	2050	2545	3240	4230
Bending capacity 400 N/mm ²	mm	5	4.5	4	3
Bending capacity 700 N/mm ²	mm	3.5	2.5	2.5	2
Bending capacity Aluminium	mm	6.5	6	6	4
Total input power	kW	16.9	16.9	16.9	16.9
Dimensions (L x W x H) approx.	mm	3600 x 2300 x 1900	4100 x 2300 x 1900	4700 x 2500 x 1900	5700 x 2500 x 1900
Weight approx.	kg	4900	5400	6700	8050

MSBM-SERVO NC series

Motorised swivel bending machines with NC control

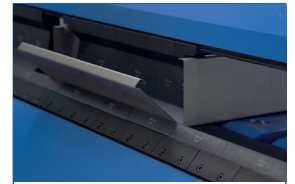
Standard version

- ▶ Upper beam with a generous clear opening of 350 mm
- ▶ Clamping beam driven by servo motors and ball screw for high clamping force
- ▶ Servomotorised backgauge with 1500 mm travel range with solid stop fingers and grooves in the bed support
- ▶ Large, rectangular support table in the rear area with integrated transfer balls for easy material handling
- ▶ One narrow and one wide continuous bending bar included in the scope of delivery (15 mm and 40 mm)
- ▶ 170 mm high, segmented crowbar tool, end pieces designed as horns to be able to perform circumferential bends with C side walls
- ▶ Manual sheet thickness adjustment of the bending beam
- ▶ Front safety area protected by light curtain
- ▶ 3-way foot pedal for one-man operation
- ▶ User-friendly 15.6" touchscreen NC control unit on ergonomic swivel arm

Special accessories

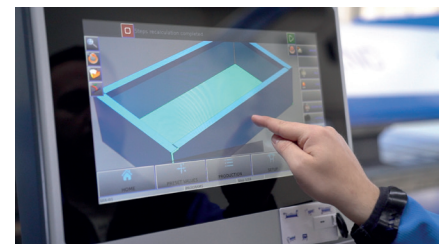
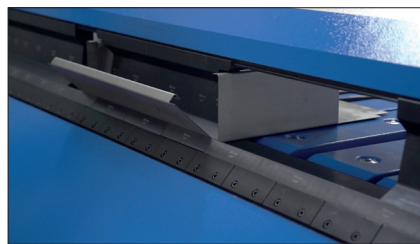
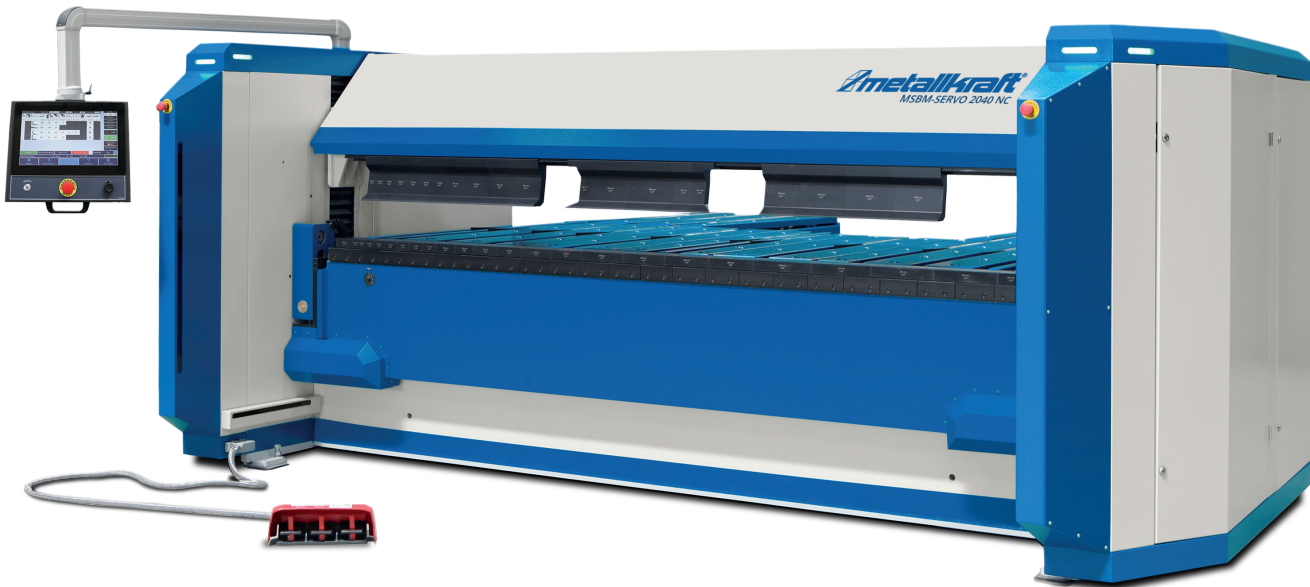
- ▶ Clear upper beam opening 400 mm and 200 mm high, segmented crowbar tools
- ▶ Backgauge extensions with a length of 2500, 3200 or 4200 mm
- ▶ Different support table geometries. L-, T- or U-shape
- ▶ Graphic 2D or 3D controls
- ▶ Motorised sheet thickness adjustment of the bending beam
- ▶ Pneumatic upper tool clamping
- ▶ Central, manual crowning system of the bending beam
- ▶ Flat, rotatable stop fingers with bed support without grooves
- ▶ Segmentation of the bed support and/or bending bar
- ▶ Second foot pedal for two-man operation

2050 x 4mm to 4200 x 2.5mm



MAIN FEATURE

Bending of large boxes with side heights of up to 170 mm (maximum 200 mm possible as an option)



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Very suitable for the production of high boxes with 170 mm. Side height and material thicknesses up to 4 mm - optional side heights up to 200 mm possible

Intuitively programmable graphic 3D or 2D control - even for complex tasks (optionally available)

Model		MSBM-SERVO 2040 NC	MSBM-SERVO 2535 NC	MSBM-SERVO 3230 NC	MSBM-SERVO 4225 NC
Art. no.		4137200	4137250	4137320	4137420
Working width	mm	2040	2535	3230	4225
Bending capacity 400 N/mm ²	mm	4	3.5	3	2.5
Bending capacity 700 N/mm ²	mm	3	2.5	2	1.5
Bending capacity Aluminium	mm	6	5	4	3.5
Total input power	kW	16.9	16.9	16.9	16.9
Dimensions (LxWxH) approx.	mm	3600 x 2300 x 2400	4100 x 2300 x 2400	4700 x 2300 x 2400	5700 x 2300 x 2400
Weight approx.	kg	6800	7300	8250	9650

MSBM SERVO C-NC series

Motorised swivel bending machine with NC control and swivelling upper beam

2050 x 4mm to 4200 x 2.5mm

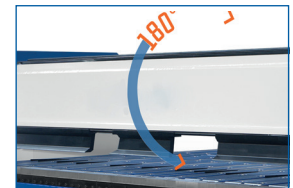
Standard version

- ▶ Clamping beam driven by servomotors and ball screw for a high yet adjustable clamping force
- ▶ 180° swivelling upper beam with two work stations - 125 mm high segmented crowbars and one-piece 30° sharpening rail
- ▶ Generous clear top beam opening of 250 mm
- ▶ One narrow and one wide continuous bending bar included in the scope of delivery (15 mm and 40 mm)
- ▶ Manual sheet thickness adjustment of the bending beam
- ▶ Front safety area secured via light curtain
- ▶ 3-way foot pedal for one-man operation
- ▶ Servomotorised backgauge with 1500 mm travel range with pneumatic, solid stop fingers and grooves in the bed support
- ▶ Large, rectangular support table in the rear area with integrated transfer balls for easy material handling

- ▶ User-friendly 15.6" touchscreen NC control unit on ergonomic swivel arm

Special accessories

- ▶ Backgauge extensions with a length of 2500, 3200 or 4200 mm
- ▶ Different support table geometries. L-, T- or U-shape
- ▶ Graphic 2D or 3D controls
- ▶ Fast, servo-motorised sheet thickness adjustment of the bending beam
- ▶ Pneumatic upper tool clamping of the segmented crowbars
- ▶ Central, manual crowning system of the bending beam
- ▶ Segmentation of the bed support and/or bending bar
- ▶ Second foot pedal for two-man operation



MAIN FEATURE

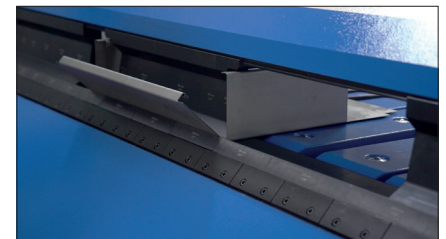
Very high flexibility and time savings thanks to swivelling upper beam with two tool stations - segmented, high crowbar tool and continuous sharpening rail



Illustration shows MSBM-SERVO C 2040 NC



Very fast set-up times thanks to pneumatic tool clamping of the segmented upper tools (optional)



Thanks to the swivelling upper beam, complex parts with circumferential bends with a side height of 125 mm and long profile sides can be produced quickly and conveniently without any effort

**ASK FOR YOUR
PERSONALISED OFFER!**

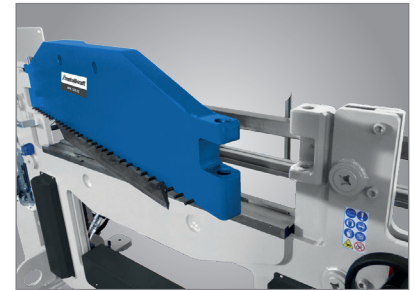
Model		MSBM-SERVO C 2040 NC	MSBM-SERVO C 2535 NC	MSBM-SERVO C 3230 NC	MSBM-SERVO C 4225 NC
Art. no.		4136200	4136250	4136320	4136420
Technical data					
Working width	mm	2040	2353	3230	4225
Bending capacity 400 N/mm ²	mm	4	3.5	3	2.5
Bending capacity 700 N/mm ²	mm	3	2.5	2	1.5
Bending capacity Aluminium	mm	6	5	4	3.5
Total input power	kW	16.9	16.9	16.9	16.9
Dimensions (L x W x H) approx.	mm	3600 x 2300 x 2300	4100 x 2600 x 2300	4700 x 2600 x 2300	5700 x 2600 x 2300
Weight approx.	kg	6600	7100	8050	9450

WPK 1250-32

Workshop press brake characterised by repeat accuracy and precision

- ▶ Hydraulic press drive via two cylinders
 - ▶ Even working pressure
 - ▶ Tool holder system Promecam/Amada
 - ▶ Swivelling upper beam, perfect for producing closed profiles, e.g. for ventilation engineers
 - ▶ Adjustment of the rear stop via handwheel with counter
- ▶ Immersion depth adjustment for bending angle finely adjustable with digital counter

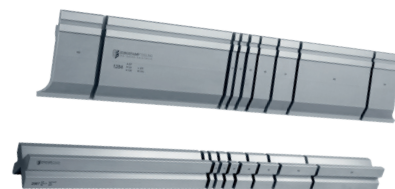
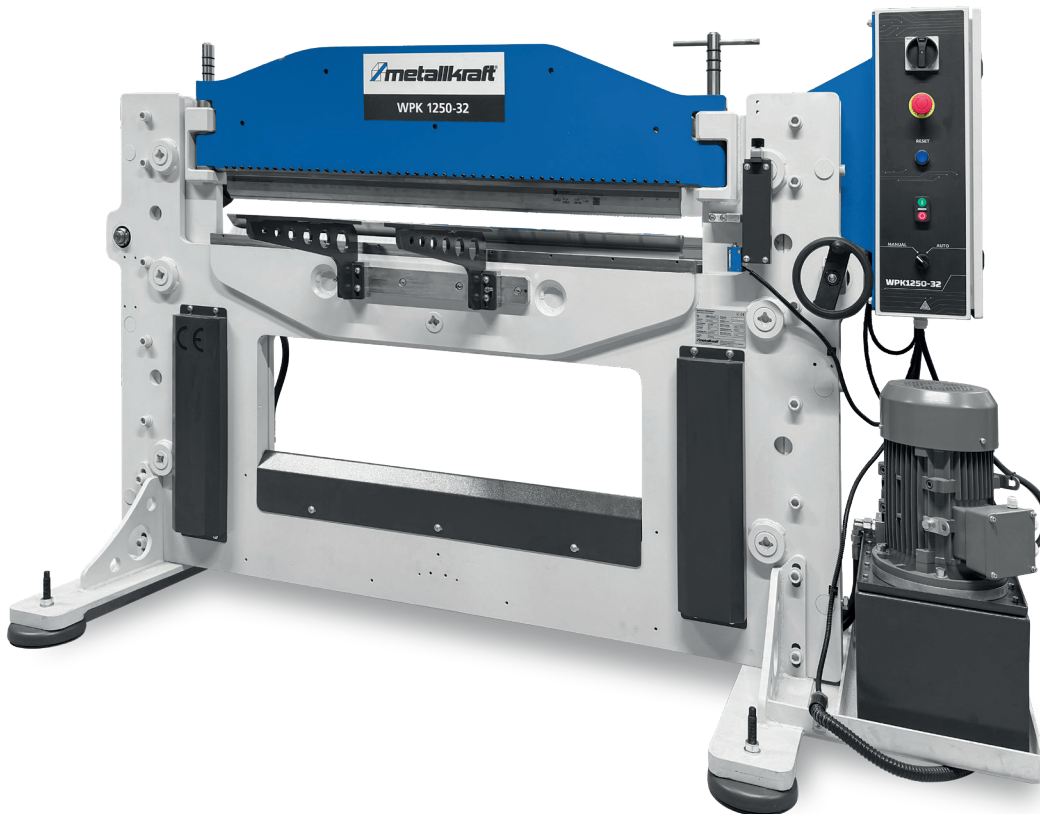
Tools must be ordered separately depending on the application, not included in the scope of delivery



Closed workpieces can be processed by opening the upper beam



Adjustment of the rear stop via handwheel with counter



Technical data		WPK 1250-32
Art no.		3778125
Working width	mm	1250
Bending capacity (400 N/mm ²)	mm	5
Pressing force	t	32
Stator diffuser	mm	200
Stroke	mm	130
Bending speed / retraction	mm/s	9 / 11
Rear stop	mm	655
Number of support brackets / semi-automatic fingers	pc	2/2
X axis travel length	mm	655
Drive motor power~50 Hz	kW/V	3 / 400
Installation height	mm	1960
Dimensions (L x W x H) approx.	mm	2300 x 1305 x 1410
Weight approx.	kg	1400

Starter tool kit	Art. no.
	38812602067

Comprises:
 1 x 388126000835
 1 x 388126000F00
 1 x 388206700835
 1 x 388206700F00

Top tool	Art. no.
LG 85° H=66.6mm / R0.8 / L=415mm	388126000415
LG 85°H=66.6mm / R0.8 / L=835mm	388126000835
split H=66.6mm / R0.8 / L=805mm sect.	388126000F00
Multi-V die 85°	
W=60mm V=16/22/35/50mm / L=415mm	388206700415
W=60mm V=16/22/35/50mm / L=835mm	388206700835
B=60mm divided V=16/22/35/50mm / L=805mm sect.	388206700F00

GBP DK 920 / GBP DK 1340

CNC die bending presses with electric drive of the press beam via ball screws

Standard version:

- ▶ Purely electric drive via servomotors and ball screws reduces energy consumption and noise levels
- ▶ No need for maintenance work on the hydraulics - no hydraulic oil required
- ▶ Graphic 2D CNC control DELEM DA-58T
- ▶ CNC-controlled 2-axis backgauge (X- and R-axes)
- ▶ Complete set of sectionalised tools, Promecam/Amada system
- ▶ Upper tool quick clamping, slightly cranked punch, 85° with 66.5 mm height
- ▶ Multi V-die with V-openings 16, 22, 35 and 50 mm
- ▶ LED-lit work area
- ▶ Mobile foot control unit with two foot buttons
- ▶ Die clamping plates along the entire bending length
- ▶ 100% electric, 0% hydraulic
- ▶ High efficiency and accuracy
- ▶ High speeds and significantly quieter operation
- ▶ More environmentally friendly than conventional hydraulic press brakes as up to 50% less energy is consumed and no hydraulic oil is used.

Possible equipment options:

- ▶ Pneumatic PROMECAM quick-change upper tool system for vertical tool changes
- ▶ Pneumatic die quick-change system 60 mm PROMECAM
- ▶ Busbar for 60 mm dies
- ▶ Various backgauge systems with Z1/Z2 and Delta-X axis
- ▶ Control with 3D programming and import of DXF, STEP and IGES files
- ▶ Height and tilt-adjustable front table for ergonomic working



Graphic 2D CNC control Delem DA-58T with touchscreen, ergonomically mounted on swivelling arm



LOW ENERGY CONSUMPTION

Up to 50% less energy consumption than conventional hydraulic press brakes



HIGH PRODUCTIVITY

Very high speed increases the number of cycles and thus the productivity of the machine



LOW MAINTENANCE EFFORT

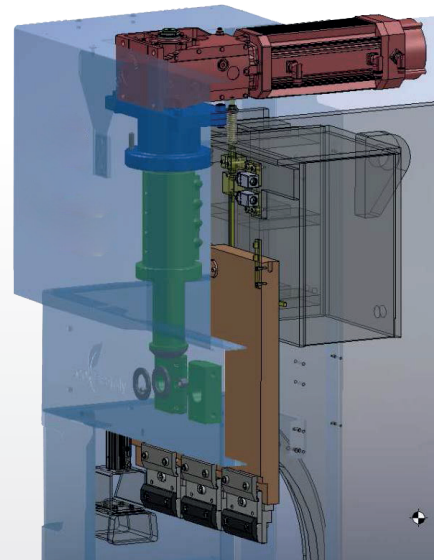
As the machine operates without a hydraulic unit the typical maintenance work such as oil and filter changes or the risk of leaks do not apply



QUIET WORKING

No hydraulic pump that generates a latent noise level in the background.

Purely electric drive via servomotors and ball screw



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Model		GBP DK 920	GBP DK 1340
Art. no.		4571001	4571302
Pressing force	t	20	40
Bending length	mm	900	1300
Weight approx.	kg	2000	3400

GBP DR series

Electric CNC die bending presses with belt system and spring retraction

Standard version:

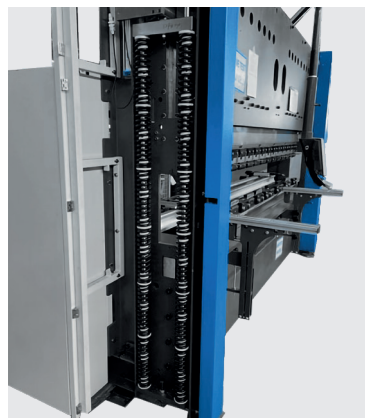
- ▶ The closing movement of the press beam is performed by two belts driven by servomotors via several deflection rollers. The return stroke takes place via spring assemblies
- ▶ Very even force distribution and energy-saving
- ▶ No need for maintenance work on the hydraulics - no hydraulic oil required
- ▶ High bending speed possible, up to 20 mm/s*
- ▶ Graphic 2D CNC control DELEM DA-58T
- ▶ Travelling safety laser FIESSLER AKAS LC 5 with FMSC safety module
- ▶ LED-lit work area
- ▶ CNC-controlled table crowning
- ▶ PROMECAM quick-action upper tool clamping system (lateral tool change) and Rehfuß ES1281
- ▶ Standard Multi-V die (60mm) ES 2067 (835 mm lengths and segmented once)
- ▶ Mobile foot control unit with two foot buttons

- ▶ Two quickly adjustable front arms with aluminium profile support surface
- ▶ Two rear stop fingers with manual adjustment in the Z direction
- ▶ Die clamping plates along the entire bending length

Possible equipment options:

- ▶ Rear room monitoring using a light barrier system instead of the monitored door
- ▶ Safety system. automatic height adjustment to tool height FIESSLER Akas 5M safety laser and FMSC safety PLC
- ▶ Second foot pedal mandatory for two-man operation
- ▶ Unit for pneumatic clamping systems EUROSTAMP
- ▶ Laser bending line
- ▶ Motorised bending aid with manual height adjustment Capacity 150 kg
- ▶ Backgauge system X1/X2/R/Z1/Z2
- ▶ Hydraulic die clamping with motorised table

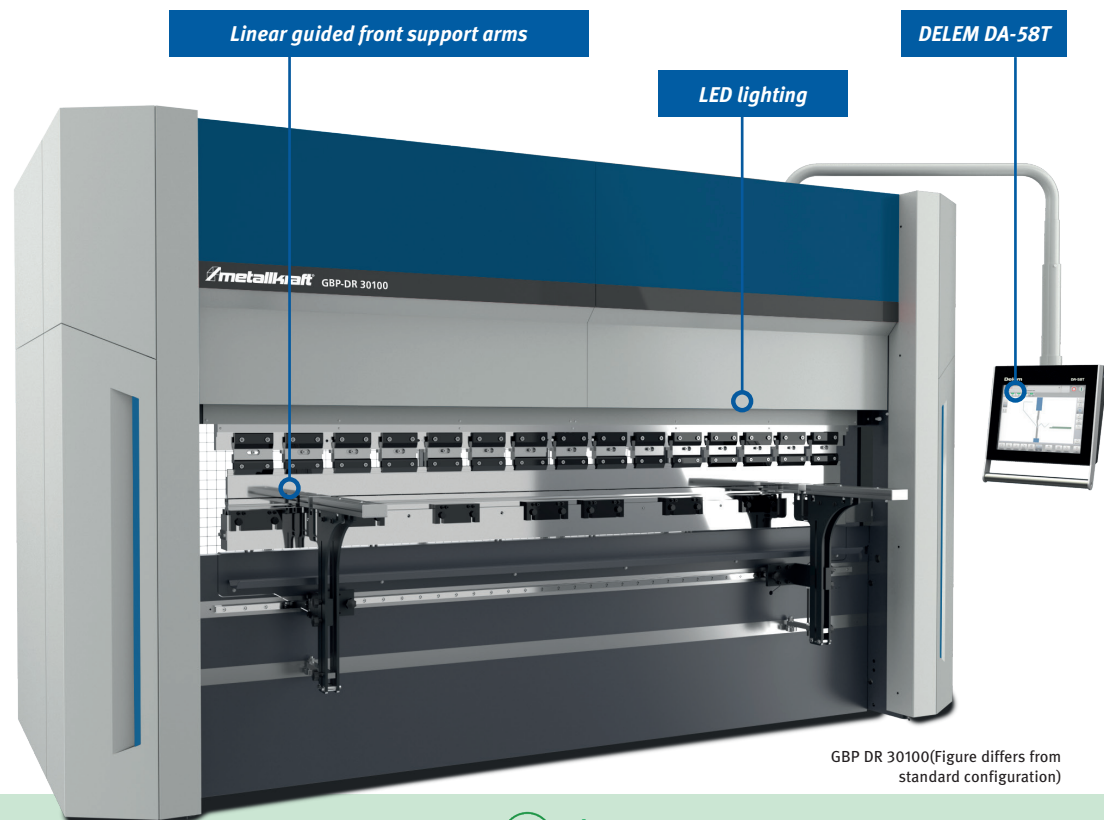
- ▶ crowning
- ▶ Hydraulic upper tool clamping
- ▶ Pneum. die quick-change system 60mm PROMECAM
- ▶ Backgauge system X1/X2/R1/R2/Z1/Z2-ATF type
- ▶ Pneumatic quick-change upper tool system PROMECAM (EUROSTAMP)
- ▶ Busbar for 60 mm dies
- ▶ CNC-Steuerung



Return spring



Linear guided front supports



GBP DR 30100 (Figure differs from standard configuration)

FUNCTION OF THE BELT SERVO DRIVE

The downward movement of the press beam is performed by a pulley belt system driven by servomotors.

The return stroke is performed by compression springs.

This system guarantees very high working speeds, low noise emissions and very high energy savings



LOW ENERGY CONSUMPTION

Up to 50% less energy consumption



SPEED

Cycle times are reduced by up to 30%



ENVIRONMENTAL FRIENDLINESS

The servo drive does not require hydraulic oil

ASK FOR YOUR PERSONALISED OFFER!

Model GBP DR		1540	2050	2580	30100	30130	30150	36170	40200
Article no.		4561501	4562001	4562501	4563001	4563002	4563003	4563603	4564004
Pressing force	t	40	50	80	100	130	150	175	200
Bending length	mm	1530	2040	2550	3050	3050	3050	3570	4080
Weight approx.	kg	1600	1850	6100	6500	8500	13200	13400	14100

*Attention! Only max. 10 mm/s permitted in CE countries

GBP PRO S series CNC-controlled, hydraulic die bending presses with 4 controlled axes, motorised crowning and manual upper tool quick clamping

Standard version:

- ▶ 2D CNC control Cybelec CybTouch 15 with offline 2D software VisiTouch and a PC licence
- ▶ Two linear encoders (GIVI) on the upper beam to control the desired position
- ▶ CNC-controlled rear stop with two rear stop fingers
- ▶ Safety laser Fiessler AKAS II with press safety control Fiessler FMSC
- ▶ CNC-controlled, motorised WILA system crowning device to compensate for spring deflection

- ▶ Manual upper tool quick clamping, Promecam/ Amada system, lateral removal
- ▶ Complete set of Rehfuß upper tool (Promecam/ Amada), height 104.65 mm
- ▶ Complete set of Multi-V die (Promecam/ Amada), height 60 mm, V-opening widths 16/22/35/50 mm
- ▶ Backgauge finger on linear guide manually adjustable laterally
- ▶ Two front support arms that can be quickly adjusted on linear guides
- ▶ Electrical components from Schneider and Mitsubishi

Possible equipment options:

- ▶ Backgauge X/R with X-travel = 1000mm
- ▶ All control variants from Cybelec and Delem
- ▶ Hydraulic upper tool clamping WILA Pro
- ▶ WILA Pro hydraulic die clamping system
- ▶ Backgauge X/R/Z1/Z2 with X-travel = 750mm



GBP PRO S 30175

ASK FOR YOUR PERSONALISED OFFER!

GBP PRO S		1360	2065	20100	25100	25135	25175	30100	30135	30175	30220
Art. no.		4257130	4257200	4257201	4257250	4257251	4257252	4257300	4257301	4257302	4257303
Pressing force	t	60	65	100	100	135	175	100	135	175	220
Bending length	mm	1250	2070	2070	2550	2550	2550	3150	3150	3150	3150
Weight approx.	kg	3250	4100	6500	7300	7900	8300	8400	8800	11000	12500

GBP PRO S		30320	37175	37220	40175	40220	40320	40400	60220	60320	60400
Art. no.		4257304	4257372	4257373	4257402	4257403	4257404	4257405	4257603	4257604	4257605
Pressing force	t	320	175	220	175	220	320	400	220	320	400
Bending length	mm	3150	3700	3700	4100	4100	4100	4100	6100	6100	6100
Weight approx.	kg	17500	12500	13500	13500	14800	20000	26800	24500	30000	35000

GBP PLUS series

CNC-controlled, hydraulic die bending press with 4 controlled axes, motorised crowning and manual upper tool quick clamping

Standard version:

- ▶ Graphic 2D CNC control DELEM DA-58T or optionally Cybelec VisiTouch PAC
- ▶ Two linear encoders (GIVI) on the press beam to control the desired position
- ▶ CNC-controlled rear stop with two rear stop fingers
- ▶ Back gauge fingers manually adjustable laterally on double linear guides
- ▶ Safety laser Fiessler AKAS LC-II M with press safety control FMSC
- ▶ CNC-controlled, motorised WILA crowning device to compensate for spring deflection
- ▶ Manual upper tool clamping (lateral removal), Promecam/Amada system

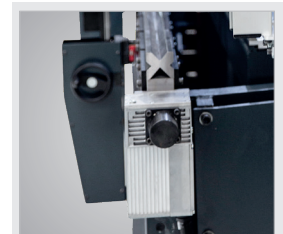
- ▶ Deer foot upper mould (Promecam/Amada), height 105mm (3 x 835mm / 1 x 805 sectioned)
- ▶ Multi-V die, height 60mm, V-openings 16/22/35/50mm (3 x 835mm / 1 x 805mm sectioned)
- ▶ Two front support arms that can be quickly adjusted laterally on linear guides
- ▶ Hydraulic components from HAWE (valves) and KCL Hydraulic (pump)
- ▶ Electrical components from Schneider and Mitsubishi Electric
- ▶ LED strip in the press beam cover illuminates the work area
- ▶ Extra heavy-duty machine design for the toughest bending tasks

Possible equipment options:

- ▶ All control variants from Cybelec or Delem
- ▶ Back gauge X/R/Z1/Z2 with X-travel = 750 mm
- ▶ Backgauge X/R/Z1/Z2 + Delta X (200 mm) with X-travel = 750 mm
- ▶ Backgauge X/X2/R1/R2/Z1/Z2 (tower version)
- ▶ Hydraulic upper tool clamping WILA Pro
- ▶ WILA Pro hydraulic die clamping system
- ▶ Bending aids with motorised height adjustment - can be moved sideways
- ▶ Parking zone 1000 mm for front support arms or bending aids
- ▶ Energy-saving drive via hydraulic unit with frequency converter



GBP PLUS 30135



▶ CNC-controlled, motorised crowning



▶ The X-axis, driven by ball screws, runs on double linear guides

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Technical data		1260	2060	25100	30100	30135	30175	30220	30320	37175
Art. no.		4271260	4272060	4272510	4273010	4273013	4273017	4273022	4273032	4273717
Pressing force	t	60	65	100	100	135	175	220	320	175
Bending length	mm	1250	2070	2505	3150	3150	3150	3150	3100	3700
Weight approx.	kg	4500	5300	8500	9000	10400	13000	15600	21000	14800

Technical data		37220	40175	40220	40320	40400	60220	60320	60400	60600
Art. no.		4273722	4274017	4274022	4274032	4274040	4276022	4276032	4276040	4276060
Pressing force	t	220	175	220	320	400	220	320	400	600
Bending length	mm	3700	4100	4100	4100	4100	6100	6100	6100	6100
Weight approx.	kg	17900	15400	18500	25000	34000	25500	41000	48000	60000

GBP DS series

Hydraulic CNC die bending presses with four controlled axes and motorised crowning

Standard version:

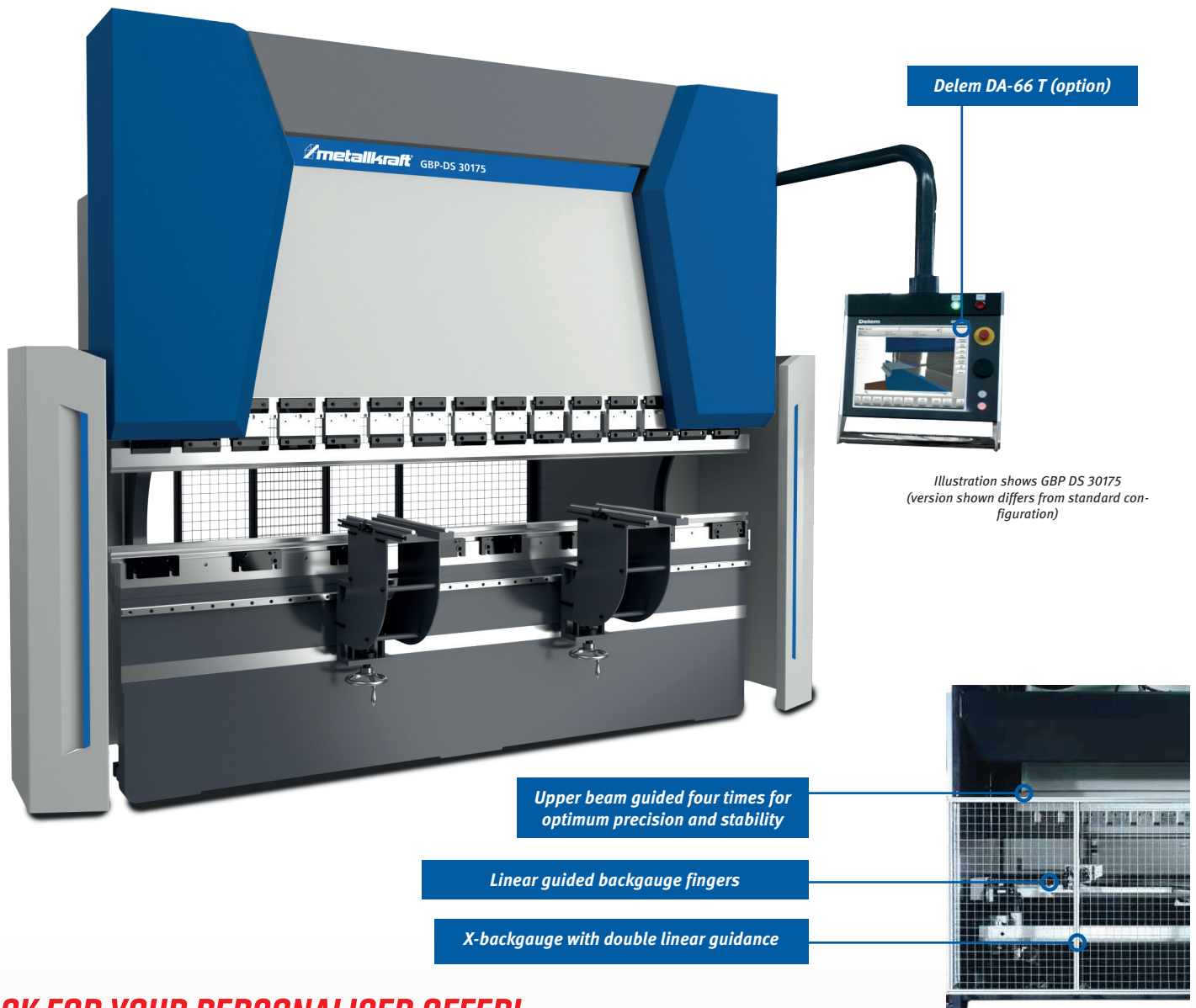
- ▶ 2D CNC control unit CYBELEC CybTouch 15
- ▶ FIESSLER Akas-LC 5 safety laser and FMSC-Safety-PLC (manual height adjustment)
- ▶ PROMECAM quick-action upper tool clamping system (lateral tool change) and Rehfuß ES1281
- ▶ Standard Multi-V die (60mm) ES 2067 (835 mm lengths and segmented once)
- ▶ Die clamping plates along the entire bending length
- ▶ CNC-controlled table crowning
- ▶ Motorised X and R axes
- ▶ Double linear guided X-axis
- ▶ LED-lit work area

- ▶ Mobile foot control unit with two foot buttons
- ▶ Two quickly adjustable front support arms with height adjustment

Possible equipment options:

- ▶ Rear room monitoring using a light barrier system instead of the monitored door
- ▶ FIESSLER Akas 5M safety laser and FMSC safety PLC
- ▶ Second foot pedal mandatory for two-man operation
- ▶ Motorised bending aid with manual height adjustment
- ▶ Laser bending line
- ▶ Backgauge system with Delta-X axis
- ▶ CNC control

- ▶ Aluminium profile control arm with additional joint
- ▶ Backgauge finger
- ▶ Busbar for 60 mm dies
- ▶ Front support arm with manual height adjustment
- ▶ Backgauge system X1/X2/R1/R2/Z1/Z2-ATF type



Delem DA-66 T (option)

Illustration shows GBP DS 30175 (version shown differs from standard configuration)

Upper beam guided four times for optimum precision and stability

Linear guided backgauge fingers

X-backgauge with double linear guidance

ASK FOR YOUR PERSONALISED OFFER!

GBS DS		1560	2060	26100	30100	30135	30175	30220	30320	36175
Art. no.		4541500	4542000	4542601	4543001	4543002	4543003	4543004	4543005	4543603
Pressing force	t	60	60	100	100	135	175	220	320	175
Bending length	mm	1550	2050	2600	3020	3020	3020	3020	3020	3650
Weight approx.	kg	4250	4800	8000	8550	9500	11500	11700	14450	12200

GBS DS		36220	40175	40220	40320	40400	60220	60320	60400	60600 -
Art. no.		4543604	4544003	4544004	4544005	4544006	4546004	4546005	4546006	4546007
Pressing force	t	220	175	220	320	400	220	320	400	600
Bending length	mm	3650	4050	4050	4050	4050	6050	6050	6050	6050
Weight approx.	kg	12350	13100	13200	17650	24500	18000	22850	31200	50000

GBP DE 2680 / GBP DE 30125 / GBP DE 30200

Hydraulic CNC die bending presses – with cost-effective basic equipment

Standard version:

- ▶ Robust welded steel construction
- ▶ 2D touch control Cybelec CybTouch 12
- ▶ Energy-saving, environmentally friendly and machine-friendly ECO mode - automatic switch-off of the pump when not in use for several minutes
- ▶ Y1, Y2 and X axes CNC-controlled
- ▶ Motorised backgauge driven via backlash-free ball screws and solid guides
- ▶ Two back stop fingers manually adjustable in longitudinal direction on linear rail
- ▶ Motorised table crowning, CNC-controlled
- ▶ Manual height adjustment of the stop fingers (R-axis)

- ▶ Two adjustable front support arms
- ▶ Promecam/Amada tool system
- ▶ Upper tool quick clamping with lateral removal of the tools
- ▶ Simple die clamping via clamping plates
- ▶ Complete set of sectionalised tools
- ▶ Slightly cranked upper tool 85° with 104 mm height
- ▶ Quadruple die 85° with V-openings 16, 22, 35 and 50 mm
- ▶ Fiessler AKAS II safety laser travelling with the press beam
- ▶ Safety PLC Fiessler FMSC
- ▶ Side and rear doors electronically monitored

- ▶ High-quality hydraulic and electronic components
- ▶ Mobile double foot pedal
- ▶ Oil filling

Possible equipment options:

- ▶ Rear room monitoring using a light barrier system instead of the monitored door
- ▶ Various control units from Cybelec or Delem
- ▶ Backgauge system X/R axis (500/150 mm)
- ▶ Busbar for 60 mm dies
- ▶ Backgauge system X/R/Z1/Z2



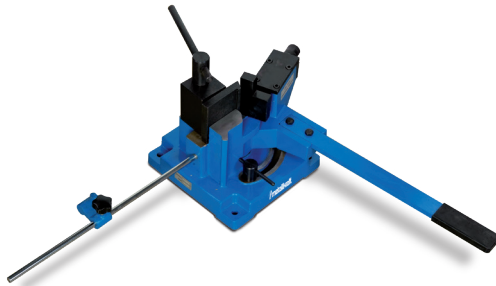
Illustration shows GBP DE 30125
(version shown differs from standard configuration)

ASK FOR YOUR PERSONALISED OFFER!

Model		GBP DE 2680	GBP DE 30125	GBP DE 30200
Article no.		4552600	4553000	4553001
Pressing force	t	80	125	200
Bending length	mm	2600	3020	3020
Weight approx.	kg	5500	9600	11100

WB 100 - Angle bender

- ▶ High repeat accuracy due to infinitely variable adjustable bending angle stop up to 120°
- ▶ Sturdy design for mounting on the workbench
- ▶ Ideal for repair workshops and locksmiths
- ▶ For precise cold and hot bending of flat, round and square steels
- ▶ With eccentric quick clamping for efficient working



HRB 10 - Manual pipe bender for universal use

- ▶ Bending area 1/2" - 2"
- ▶ With hinged bending frame for convenient and efficient operation
- ▶ Incl. bending segments: 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2"
- ▶ Universally applicable for all pipes made of bendable materials



Technical data		WB 100
Art no.		3776101
<i>Cold:</i>		
Flat steel	mm	100 x 5
Round steel	mm	18
Square steel	mm	16 x 16
Angle steel	mm	60 x 8
<i>Warm:</i>		
Flat steel	mm	100 x 15
Round steel	mm	27
Square steel	mm	25 x 25
Angle steel	mm	100 x 12
Dimensions (L x W x H) approx.	mm	550 x 320 x 240
Weight approx.	kg	30

Scope of delivery WB 100

- › Angle stop
- › Bending plate
- › Bending lever
- › Material stop

Technical data		HRB 10
Art no.		3777010
Printing performance	t	10
Piston stroke	mm	155
Dimensions	mm	710 x 590 x 220
Weight approx.	kg	45

Bending segment	Pipe Ø	Wall thickness	Bending radius	Bending angle
1/2"	20 mm	3.25 mm	62 mm	0-90°
3/4"	25 mm	3.50 mm	78 mm	
1"	32 mm	4,- mm	98 mm	
1 - 1/4"	40 mm	4,- mm	128 mm	0-120°
1 - 1/2"	47 mm	4.25 mm	148 mm	
2"	59 mm	4.50 mm	187 mm	

UB 10 - Universal bending machine for angle, round and spiral bending of flat, square and round material

- ▶ Cold bending up to an angle of 180°
- ▶ Adjustable bending angle stop for high repeat accuracy
- ▶ With the UB 11 option also for bending spirals
- ▶ Removable bending unit, can also be used on vice with optional clamping plate

Scope of delivery

Bending rolls:
2 x Ø 24/30/37/43/49/62/75 mm

Technical data		UB 10	
Art no.		3776010	
<i>Max. bending dimension</i>			
Flat steel: Plate rolling	mm	10 x 50	
Flat steel: Sharp bending	mm	6 x 50	
Weight approx.	kg	32	
Material		Steel / aluminium / copper	Stainless steel
Round materials	mm	Ø 16	Ø 14
Square material	mm	16 x 16 ¹⁾	14 x 14 ¹⁾
Pipes	"	G 3/4	

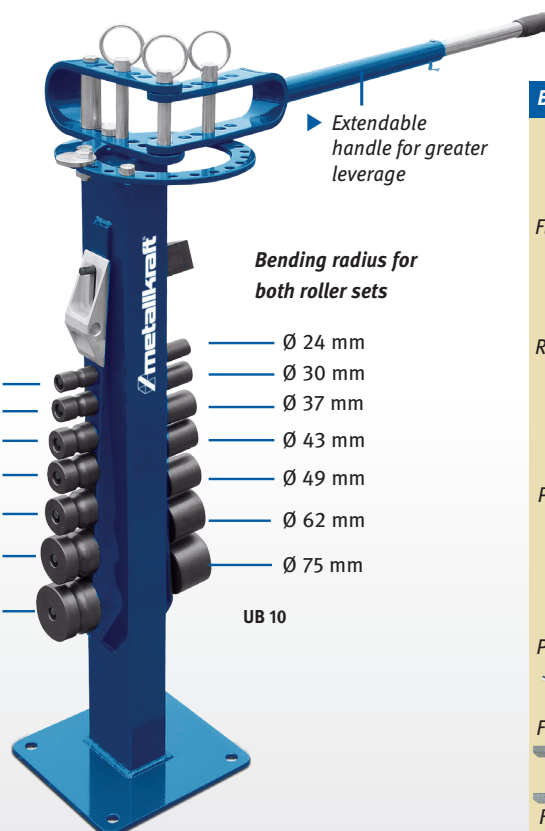
Role for Material diameter

Ø 10 mm / 3/8"
Ø 12 mm
Ø 14 mm
Ø 15 mm / 1/2"
Ø 16 mm
Ø 16 mm
Ø 16 mm

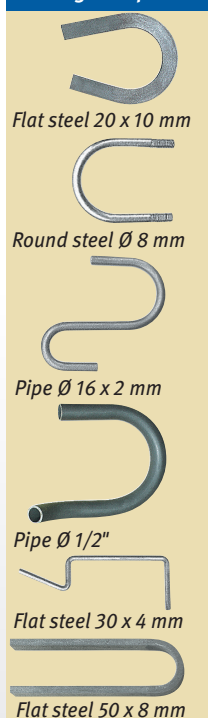
Bending radius for both roller sets

Ø 24 mm
Ø 30 mm
Ø 37 mm
Ø 43 mm
Ø 49 mm
Ø 62 mm
Ø 75 mm

UB 10



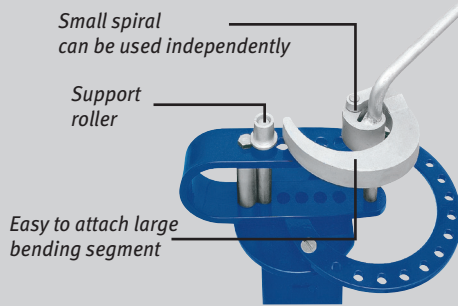
Bending examples



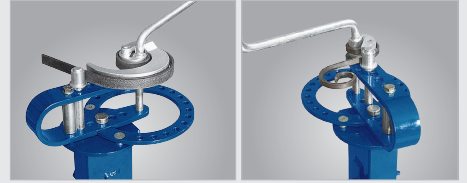
UB 11 - Spiral bending element

- ▶ Attachment for spiral bending on the UB 10

Material thicknesses max.		UB 11
Art no.		3790011
Square	mm	5 x 5
Flat material	mm	5 x 25
Round materials	mm	Ø 5
Weight approx.	kg	3



Bending examples



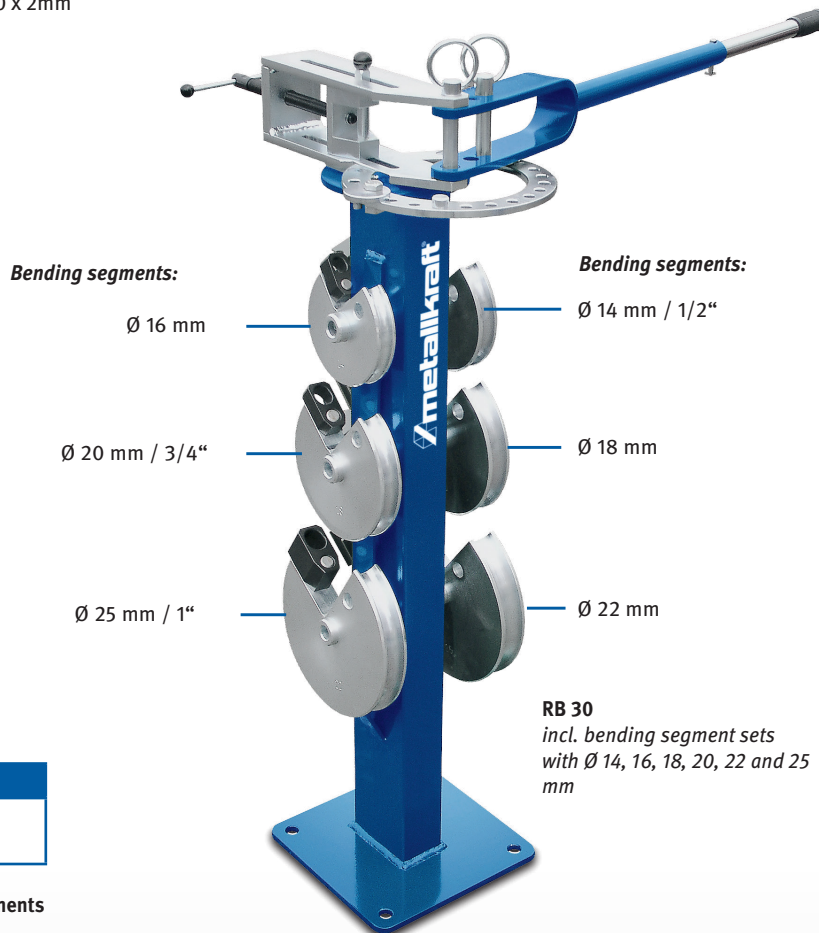
Large spirals

small spirals

RB 30 - For cold draw bending of thin-walled pipes made of pipes made of brass, copper, steel and other materials



- ▶ Simple cold bending of thin-walled pipes without deformation, even without support elements
- ▶ Extendable handle for high leverage
- ▶ Removable bending unit, can also be used on clamping vices with optional clamping plate
- ▶ Further bending segments available e.g. also for square pipes up to 20 x 20 x 2mm



Scope of delivery

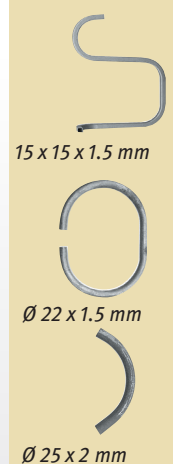
6 bending segments:
Ø 14, 16, 18, 20, 22, 25 mm

Bending radius standard segments

Size	Radius
Ø 14 mm	56 mm
Ø 16 mm	64 mm
Ø 18 mm	72 mm
Ø 20 mm	80 mm
Ø 22 mm	88 mm
Ø 25 mm	100 mm

Technical data		RB 30	
Art no.		3776030	
Standard bending radius	mm	4 x Ø of the pipe, 56 - 100	
Wall thickness (Ø 25 mm) max.	mm	2	
Material		Steel / aluminium / copper	Stainless steel
Round materials	mm	Ø 25 x 2	Ø 22 x 2
Square material	mm	20 x 20 x 2 ¹⁾	

Bending examples



1) Performance data based on material with tensile strength 400 N/mm²

RB 54

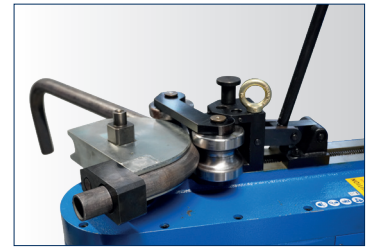
Mandrel-free pipe bending machine, NC-controlled with programme memory

- ▶ NC control for setting the bending angle and correction
- ▶ High-quality, robust construction
- ▶ Up to 50 programmes with 10 bending sequences each can be stored
- ▶ Fast tool change
- ▶ Purely motorised drive
- ▶ Automatically returns to the starting position

IMPORTANT INFORMATION for mandrel-free pipe-bending:

- The ratio of wall thickness to pipe \varnothing must not be too small - wall thickness divided by pipe \varnothing must be greater than 0.066.
- The smallest possible bending radius is 3D - i.e. 3 x pipe \varnothing

Technical data		RB 54
Art no.		4300054
Bending capacity (420 N/mm ²)	mm	\varnothing 54 x 4
Bending capacity (350 N/mm ²)	mm	\varnothing 54 x 4
Bending capacity (650 N/mm ²)	mm	\varnothing 42 x 3
Bending radius max.	mm	162
Bending angle max.	°	210
Bending speeds	U/min.	2
Torque	Nm	2341
Main motor~50 Hz	kW/V	1.1 / 400
Dimensions (L x W x H) approx.	mm	600 x 220 x 470
Weight approx.	kg	107



Efficient bending of metal profiles into precise rings and bends



Note

You can find a wide range of accessories in the Metalkraft main catalogue and at www.metalkraft-machines.com!

RB 54
with optional substructure
(Art. no. 4310000)

Accessories available on request! Find out more at www.metalkraft-machines.com or check our Metalkraft catalogue

BM 60-T / BM 76-T – Mandrel-free pipe bending machine, NC-controlled with powerful motor for high torque

- ▶ Powerful motor with inverter and reduction gear ensures high torque
- ▶ NC control for setting the bending angle and correction
- ▶ Material clamping with handwheel and counter
- ▶ Mobile control panel with control unit and pedals
- ▶ Fast tool change



▶ Bending angles up to 180° possible



BM 76-T

Technical data		BM 60-T	BM 76-T
Art no.		4320060	4320076
Bending capacity pipe material 420 N/mm ²	mm	\varnothing 60 x 4	\varnothing 76 x 4
Bending capacity pipe material 350 N/mm ²	mm	\varnothing 60 x 3	\varnothing 76 x 3.5
Bending capacity pipe material 650 N/mm ²	mm	\varnothing 50 x 4	\varnothing 60 x 4
Bending capacity solid material 420 N/mm ²	mm	\varnothing 30	\varnothing 40
Bending radius max.	mm	450	470
Bending angle max.	°	180	180
Bending speeds	U/min.	3	3
Torque	Nm	9500	11500
Drive motor power ~50 Hz	kW/V	1.5 / 400	4 / 400
Dimensions (L x W x H) approx.	mm	950 x 480 x 1050	1050 x 580 x 1060
Weight approx.	kg	500	650



▶ Simple operation, with digital display for current bending values and for setting the parameters

Accessories available on request! Find out more at www.metalkraft-machines.com or check our Metalkraft catalogue

SBM - Manual and motorised bead bending machines

SBM 110-08/SBM 140-12

- ▶ Heavy and stable cast iron construction
- ▶ Adjustable lower shafts
- ▶ Infinitely adjustable stop plate

SBM 110-08:

- ▶ 7-piece standard castor set

SBM 140-12:

- ▶ 8-piece standard castor set

SBM 140-12 E

- ▶ Geared motor with brake system
- ▶ Foot pedal operation with base frame
- ▶ Hardened steel shafts
- ▶ Infinitely adjustable stop plate
- ▶ 8-piece standard castor set
- ▶ Protection class IP55



SBM 110-08



SBM 140-12



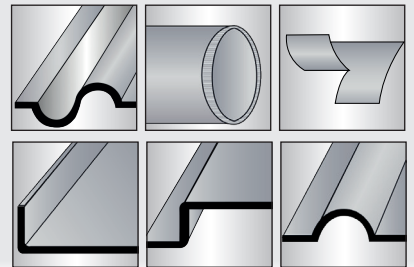
SBM 140-12 E



Bending rollers type E3

Technical data		SBM 110-08	SBM 140-12	SBM 140-12 E
Art no.		3814001	3814002	3814003
Shaft length	mm	110	140	140
Bending capacity (400 N/mm ²)	mm	0.80	1.2	1.2
Roller Ø	mm	52	62	62
Neck width	mm	80	100	100
Roller speed	min ⁻¹	-	-	32
Motor power ~50 Hz	kW/V	-	-	0.75 / 400
Weight approx.	kg	30	50	110

Application examples



PRM 10 M / PRM 10 E – Manual or motorised ring bending machines

- ▶ Machine with standard tool suitable for bending square material
- ▶ Stable construction, can be fixed to the floor
- ▶ Drive of the two lower rollers by hand crank
- ▶ Rollers hardened and ground
- ▶ Steel shafts, hardened and ground
- ▶ Lateral guide rollers
- ▶ Infeed via upper roller

PRM 10 E:

- ▶ Motorised version
- ▶ 400 volt motor
- ▶ Left/right rotation via foot pedal
- ▶ Vertical and horizontal bending possible

Technical data		PRM 10 M	PRM 10 E
Art no.		3780010	3780011
Shaft Ø	mm	30	30
Roller Ø top	mm	98	98
Roller Ø bottom	mm	115	118
Dimensions (L x W x H) approx.	mm	620 x 560 x 1440	700 x 700 x 1400
Weight approx.	kg	165	230



PRM 10 M



PRM 10 E

Bending capacities	Profile type									
	STANDARD									
PRM 10 M	max. size mm	20 x 20 10 x 10	30 x 10 20 x 5	50 x 10 40 x 5	35 x 4.5 30 x 4	35 x 4.5 30 x 4	35 x 4.5 30 x 4	35 x 4.5 30 x 4	35 x 4.5 30 x 4	35 x 4.5 30 x 4
PRM 10 E	min. Bending Ø mm	500 160	500 190	400 160	600 400	600 400	600 400	600 400	700 500	700 500
Bending capacities	Profile type									
	OPTIONAL									
PRM 10 M	max. size mm	30 x 30 x 2 20 x 20 x 2	38 x 20 x 2 30 x 15 x 1.5	Ø 20 Ø 10	Ø 33 x 3 Ø 26 x 2.5	Ø 1 1/4" x 2 Ø 1" x 1.5	35 x 35 x 4 30 x 30 x 4	35x35x4 30x30x4		
PRM 10 E	min. Bending Ø mm	900 600	1000 600	500 160	700 500	800 400	800 400	800 400		

Prices for optional bending rollers on request

The smallest possible bending diameter depends on how much the material may be deformed Performance data refers to material with a maximum yield strength of 24 kg/mm², bending capacity stainless steel: Factor 0.72) Additional spacer discs may be required In addition to the angle rollers, the "special lateral straightening rollers" option is required for bending angle steel

PRM 31 F / PRM 35 F / PRM 40 FH – Motorised and hydraulic ring bending machines

PRM 31 F / PRM 35 F:

- ▶ Standard tool for versatile use
- ▶ Roller drive via gearbox
- ▶ With specially hardened bending rollers
- ▶ Shafts made of special steel, hardened and ground

- ▶ Lateral guide rollers, infinitely adjustable
- ▶ 2 driven rollers
- ▶ Mobile control panel with foot control
- ▶ Horizontal and vertical working position

PRM 40 FH:

- ▶ Suitable for particularly small bending diameters
- ▶ 3-roller drive
- ▶ Hydraulic infeed via the two lower rollers
- ▶ Mobile control panel with two digital displays for the feed rollers
- ▶ Straightening rollers suitable for bending angle iron as standard



Technical data		PRM 31 F	PRM 35 F	PRM 40 FH
Art no.		3812031	3812035	3812040
Shaft Ø	mm	30	50	40
Roller Ø	mm	148	155	137
speed	m/min.	4	4.5	7
Motor power ~50 Hz	kW/V	0.75 / 400	1.5 / 400	1.1 / 400
Dimensions (L x W x H) approx.	mm	600 x 800 x 1450	750 x 1000 x 1400	1050 x 500 x 1250
Weight approx.	kg	220	400	350

Bending capacities	Profile type STANDARD									
PRM 31 F	max. size mm	30 x 30 10 x 10	50 x 10 20 x 6	80 x 15 30 x 6	50 x 6 ²⁾ 20 x 3 ²⁾	50 x 6 ²⁾ 20 x 3 ²⁾	50 x 6 ²⁾ 20 x 3 ²⁾	–	–	–
	min. Bending Ø mm	900 200	800 300	700 400	600 400	600 400	600 400	–	–	–
PRM 35 F	max. size mm	35 x 35 20 x 20	60 x 10 40 x 10	100 x 15 60 x 10	60 x 7 ²⁾ 50 x 6 ²⁾	60 x 7 ²⁾ 50 x 6 ²⁾	60 x 7 ²⁾ 50 x 6 ²⁾	UPN 80 ²⁾ UPN 30 ²⁾	UPN 80 ²⁾ UPN 30 ²⁾	UPN 80 ²⁾ UPN 30 ²⁾
	min. Bending Ø mm	900 300	500 400	450 350	700 500	700 500	700 500	1000 700	1200 800	1200 800
PRM 40 FH	max. size mm	18 x 18	35 x 8	50 x 12	35 x 5 ²⁾	30 x 5 ²⁾	35 x 5 ²⁾	UPN 40x20 ²⁾	UPN 30x15 ²⁾	UPN 30x15 ²⁾
	min. Bending Ø mm	250	300	400	400	300	300	350	500	500

Bending capacities	Profile type OPTIONAL									
PRM 31 F	max. size mm	40 x 40 x 3 30 x 30 x 2	50 x 30 x 3 40 x 20 x 2	Ø 30 Ø 10	Ø 60 x 1.5 Ø 25 x 1.5	Ø 1½" x 2.9 Ø ¾" x 1.8	40 x 40 x 5 30 x 30 x 4	35 x 35 x 5 30 x 30 x 4	600 300	600 300
	min. Bending Ø mm	1200 800	1200 800	900 200	1000 600	600 300	600 300	600 300	600 300	600 300
PRM 35 F	max. size mm	50 x 50 x 3 40 x 40 x 3	70 x 30 x 2 50 x 40 x 3	Ø 35 Ø 30	Ø 70 x 2 Ø 30 x 2	Ø 2" x 2.9 Ø 1" x 2.3	50 x 50 x 5 40 x 40 x 5	50 x 50 x 6 30 x 30 x 3	1000 500	1000 500
	min. Bending Ø mm	1700 600	1,200 1,200	600 400	1000 500	1000 350	800 600	1000 500	1000 500	1000 500
PRM 40 FH	max. size mm	25 x 25 x 2	30 x 15 x 2.5	Ø 22	Ø 40 x 1.5	Ø 1" x 2.3	35 x 35 x 5	30 x 30 x 4	400	550
	min. Bending Ø mm	450	500	200	500	300	400	550	400	550

The smallest possible bending diameter depends on how much the material may be deformed Performance data refers to material with a maximum yield strength of 24 kg/mm², bending capacity stainless steel: Factor 0.72) Additional spacer discs may be required
In addition to the angle rollers, the "special lateral straightening rollers" option is required for bending angle steel

Accessories PRM 31 F	Art. no.
Special lateral straightening rollers for angle irons	3880076
Special tool for turning rungs	3880151
Spiral bending tool	3880152
Option (only possible ex works)	Art. no.
Digital display infeed roller	3880075

Accessories PRM 35 F	Art. no.
Special lateral straightening rollers for angle irons	3880088
Special tool for turning rungs	3880153
Spiral bending tool	3880154
Option (only possible ex works)	Art. no.
Digital display infeed roller	3880087

PRM 50 FH/ PRM 60 FH - Motorised ring bending machines with hydraulic infeed and digital display for infeed roller

- ▶ Heavy welded steel construction
- ▶ Hydraulic infeed via the upper roller
- ▶ Digital display for the feed roller
- ▶ Lateral straightening rollers infinitely adjustable
- ▶ Mobile control panel with foot control
- ▶ All 3 rollers driven and hardened

Please specify the type of material to be processed when ordering!
Bending rollers may need to be customised to your requirements

Technical data		PRM 50 FH	PRM 60 FH
Art no.		3812036	3812060
Shaft Ø	mm	50	60
Roller Ø top / bottom	mm	162 / 152	215
speed	m/min.	4.5	4
Hydraulic pressure	t	8	16
Motor power ~50 Hz	kW/V	1.1 / 400	1.5 / 400
Dimensions (L x W x H) approx.	mm	810 x 950 x 1500	1000 x 1400 x 1650
Weight approx.	kg	500	950

Accessory	Art. no.
Special lateral straightening rollers for angle irons	3880161
Easy View NC control (only possible ex works!)	3880163



PRM 60 FH

PRM 80 FH - Hydraulic ring bending machine, can be used horizontally and vertically for profiles, pipes and solid material

- ▶ Heavy welded steel construction
- ▶ Horizontal and vertical working options
- ▶ All three rollers driven and hardened
- ▶ Hydraulic infeed via the lower rollers
- ▶ Infinitely adjustable side guide rollers
- ▶ Separate control panel with 2 digital displays for two infeed rollers

Technical data		PRM 80 FH
Art no.		3812080
Rollers Ø	mm	245
Roller holder shaft Ø top	mm	80
Roller holder shaft Ø bottom	mm	70
speed	m/min.	6
Motor power ~50 Hz	kW	4.0 / 400
Dimensions (L x W x H) approx.	mm	1450 x 1000 x 1400
Weight approx.	kg	1700



PRM 80 FH

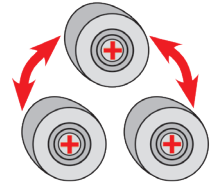
Bending capacities	Profile type STANDARD								
PRM 50 FH	max. size mm	35 x 35	60 x 10	100 x 15	60 x 7 ²⁾	60 x 7 ²⁾	50 x 6 ²⁾	UPN 80 ²⁾	UPN 80 ²⁾
	min. Bending Ø mm	600	600	600	800	800	800	800	1200
PRM 60 FH	max. size mm	50 x 50	80 x 20	120 x 25	80 x 9 ²⁾	80 x 9 ²⁾	80 x 9 ²⁾	UPN 120 ²⁾	UPN 120 ²⁾
	min. Bending Ø mm	20 x 20	40 x 10	50 x 10	40 x 5 ²⁾	40 x 5 ²⁾	40 x 5 ²⁾	UPN 60 ²⁾	UPN 60 ²⁾
PRM 80 FH	max. size mm	800	1200	600	1000	1000	1200	800	1200
	min. Bending Ø mm	400	400	400	400	400	500	500	600
PRM 80 FH	max. size mm	45	100 x 20	125 x 25	80 x 9 ²⁾	70 x 8 ²⁾	70 x 8 ²⁾	UPN 140 ²⁾	UPN 140 ²⁾
	min. Bending Ø mm	15	80 x 20	60 x 5	25 x 3.5 ²⁾	25 x 3.5 ²⁾	25 x 3.5 ²⁾	UPN 120 ²⁾	UPN 120 ²⁾
PRM 80 FH	max. size mm	500	2,000	600	800	800	800	1,600	1,600
	min. Bending Ø mm	380	800	300	280	280	280	900	1,000
PRM 80 FH	max. size mm	380	300	300	280	280	280	600	800

Bending capacities	Profile type OPTIONAL							
PRM 50 FH	max. size mm	50 x 50 x 6	70 x 30 x 3	Ø35	Ø 70 x 2	Ø2" x 2.9	50 x 50 x 6	50 x 50 x 6
	min. Bending Ø mm	800	1500	600	1200	1000	600	900
PRM 60 FH	max. size mm	70 x 3	80 x 40 x 3	Ø 50	Ø 100 x 2	Ø 3" x 3.2	70 x 70 x 7	70 x 70 x 7
	min. Bending Ø mm	40 x 2	40 x 20 x 2	Ø 20	Ø 60 x 2	Ø 1" x 2.6	40 x 40 x 5	40 x 40 x 5
PRM 80 FH	max. size mm	1600	1400	800	1600	1000	1000	1200
	min. Bending Ø mm	500	500	400	500	500	500	600
PRM 80 FH	max. size mm	70 x 3	80 x 25 x 3	Ø 50	Ø 100 x 2.5	Ø 3" x 5.48	80 x 8	70 x 7
	min. Bending Ø mm	25 x 2	25 x 15 x 2	Ø 15	Ø 15 x 1	Ø 1/2" x 2.77	30 x 3	30 x 3
PRM 80 FH	max. size mm	1300	800	500	800	1200	800	700
	min. Bending Ø mm	350	350	380	380	380	400	450

The smallest possible bending diameter depends on how much the material may be deformed Performance data refers to material with a maximum yield strength of 24 kg/mm², bending capacity stainless steel: Factor 0.7 Additional spacer discs may be required. In addition to the angle rollers, the "special lateral straightening rollers" option is required for bending angle steel.

PRM 100 FH - Hydraulic ring bending machine, can be used horizontally and vertically for profiles, pipes and solid material

- ▶ Heavy welded steel construction
- ▶ Horizontal and vertical working options
- ▶ All three rollers driven by hydraulic motor and planetary gearbox
- ▶ Hardened rollers
- ▶ Hydraulic infeed via the lower rollers
- ▶ Infinitely adjustable side guide rollers
- ▶ Separate control panel with 2 digital displays



Further information can be found in the METALLKRAFT catalogue or at metalkraft-machines.com

Technical data		PRM 100 FH
Art no.		3812100
Rollers Ø	mm	315
Roller holder shaft Ø	mm	100
speed	m/min.	7
Motor power ~50 Hz	kW	7.5 / 400
Dimensions (L x W x H) approx.	mm	2,000 x 1,450 x 1,700
Weight approx.	kg	3650

Scope of delivery
• Standard bending rollers
• Mobile control panel
• One digital display per lower infeed roller
• Manual straightening rollers

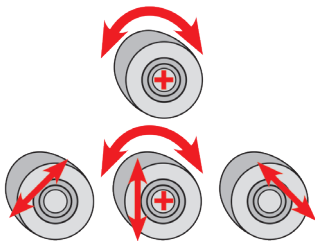
Bending capacities	Profile type STANDARD								
PRM 100 FH	max. size mm	60 15	100 x 20 30 x 10	200 x 30 160 x 35 80 x 5	100 x 11 ²⁾ 30 x 4	100 x 11 ²⁾ 30 x 4	90 x 10 ²⁾ 30 x 4	UPN 180 ²⁾ UPN 30 ²⁾	UPN 180 ²⁾ UPN 30 ²⁾
	min. Bending Ø mm	750 400	800 400	1,200 800 400	1000 400	1000 400	1000 400	900 400	1000 400

The smallest possible bending diameter depends on how much the material may be deformed Performance data refers to material with a maximum yield strength of 24 kg/mm², bending capacity stainless steel: Factor 0.7 2) Additional spacer discs may be required In addition to the angle rollers, the "special lateral straightening rollers" option is required for bending angle steel

Larger models and bending rolls on request

RBM 4 HMS PRO series – Hydraulic 4-roll round bending machines

- ▶ Heavy and robust welded construction
- ▶ Linear infeed of the lower rollers by means of hydraulic cylinders
- ▶ Induction-hardened rollers, suitable for bending stainless steel
- ▶ Top roller driven by hydraulic motor and planetary gearbox, the movement is transferred to the bottom roller by means of cardan shafts
- ▶ Machine secured against overload
- ▶ Three digital displays (2 x side rollers, 1 x bottom roller)
- ▶ Hydraulic hinged bearing for easy removal of the finished workpieces
- ▶ Mobile control panel
- ▶ Conical bending device
- ▶ Hydraulic equalisation system to ensure parallelism
- ▶ Safety emergency lifeline



Convince yourself of our capabilities and ask for individual advice

OTHER MODELS AND INTERMEDIATE SIZES AVAILABLE - ASK FOR YOUR PERSONALISED QUOTE

RBM 1550-110 4 HMS PRO

RBM 4 HMS PRO	Art. no.	Working width mm	Pre-bending capacity ¹⁾ mm	Bending capacity ¹⁾ mm	Ø Upper roller mm	Smallest bend Ø ¹⁾ mm	Motor power kW	Bending speed m/min.	Length mm	Width mm	height mm	Weight approx. kg
1550-150	3813348	1550	10 / 12	12 / 15	250	375 / 1,250	7.5 & 1.5	5	3500	1500	1370	4650
2050-60	3813349	2050	3 / 4	4 / 6	150	225 / 750	2.2 & 1.5	6	3800	1150	1110	2800
2050-80	3813350	2050	4 / 6	6 / 8	180	270 / 900	3.0 & 1.5	5	3850	1350	1290	3300
2050-100	3813351	2050	6 / 8	8 / 10	200	300 / 1,000	4.0 & 1.5	6	3850	1350	1290	3750
2050-120	3813352	2050	8 / 10	10 / 12	250	375 / 1,250	7.5 & 1.5	5	4000	1500	1370	5350
2550-60	3813354	2550	3 / 4	4 / 6	180	270 / 900	3.0 & 1.5	5	4350	1350	1290	3700
2550-80	3813355	2550	4 / 6	6 / 8	200	300 / 1,000	4.0 & 1.5	6	4350	1350	1290	4250
2550-100	3813356	2550	6 / 8	8 / 10	250	375 / 1,250	7.5 & 1.5	5	4500	1500	1370	6100
3050-60	3813358	3050	3 / 4	4 / 6	200	300 / 1,000	4.0 & 1.5	6	4850	1350	1290	4750
3050-90	3813359	3050	5 / 7	7 / 9	250	375/1250	7.5 & 1.5	5	5000	1500	1370	6800

¹⁾ Based on material with a yield strength of 24kg/mm² at 1.5 x top roller diameter / 5 x top roller diameter Other sizes and intermediate sizes on request

RBM series – Manually operated round bending machines with asymmetrical 3-roller system E-version with electric drive and foot control

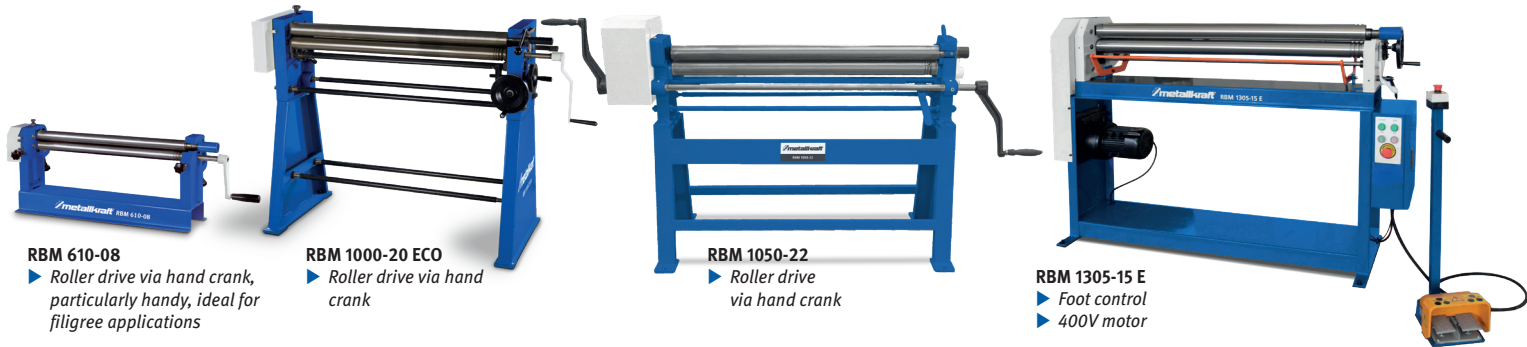
- ▶ Roller drive via hand crank or motorised for electric models
- ▶ Heavy and stable cast iron construction

- ▶ Asymmetrical 3-roller system for easy bending
- ▶ The upper roller can be extended, making it easy to remove the finished workpiece

RBM 1305-15 E

- ▶ Easily adjustable side and bottom rollers
- ▶ Possibility of conical bending
- ▶ With safety devices
- ▶ Standard wire insert groove on bottom and side roller
- ▶ The foot control leaves both hands free for material feeding

Please specify the type of material to be processed when ordering!



RBM 610-08

- ▶ Roller drive via hand crank, particularly handy, ideal for filigree applications

RBM 1000-20 ECO

- ▶ Roller drive via hand crank

RBM 1050-22

- ▶ Roller drive via hand crank

RBM 1305-15 E

- ▶ Foot control
- ▶ 400V motor

Technical data		RBM 305	RBM 610-08	RBM 1050-10	RBM 1000-20 ECO	RBM 1050-22	RBM 1305-15 E
Art no.		3780112	3780618	3813101	3781301	3813103	3781305
Rolling length	mm	305	610	1050	1000	1050	1270
Bending capacity (400 N/mm ²)	mm	0.80	0.80	1.0	2.0	2.0	1.5
Roller Ø	mm	25	38	56	60	75	75
Bending Ø min.	mm	40	60	84	100	115	110
Motor power ~50 Hz	kW/V	-	-	-	-	-	0.75/400
Dimensions (L x W x H) approx.	mm	580 x 210 x 255	885 x 220 x 340	1400 x 700 x 1120	1542 x 550 x 1040	1400 x 700 x 1160	1650 x 1020 x 1110
Weight approx.	kg	14	37	185	200	300	318



RBM 2050-30 E Pro

- ▶ Foot control
- ▶ 400V motor,
- ▶ in heavy-duty design
- ▶ Image shows machine with options **Digital display for side roller** and **motorised infeed of the side roller** (see main catalogue)

RBM 2050-15 E

- ▶ Foot control
- ▶ 400V motor

Convince yourself of our capabilities and ask for individual advice

Other models and intermediate sizes available on request and in our METALLKRAFT catalogue

Technical data		RBM 1050-30 E	RBM 1270-25 E	RBM 2050-15 E	RBM 1550-40 E Pro	RBM 2050-30 E Pro
Art no.		3813201	3813202	3813204	3813302	3813303
Rolling length	mm	1050	1270	2050	1550	2050
Bending capacity (400 N/mm ²)	mm	3.0	2.5	1.5	4.0	3.0
Roller Ø	mm	90	90	95	140	130
Bending Ø min.	mm	135	135	195	210	-
Roller speed	m/min.	6	6	8	3.5	3.5
Motor power ~50 Hz	kW/V	1.1 / 400	1.1 / 400	2.2 / 400	2.2 / 400	2.2 / 400
Dimensions (L x W x H) approx.	mm	1630 x 700 x 1200	1850 x 700 x 1200	2630 x 700 x 1200	2400 x 940 x 1120	3080 x 700 x 1250
Weight approx.	kg	455	490	650	1425	1500

Conical bending factor 0.5; bending capacity aluminium factor 1.2; bending capacity stainless steel factor 0.75; the optional hardened rollers are required for bending stainless steel; sheet thickness for stainless steel: Factor 0.75; sheet thickness for aluminium: Factor 1.2. For bending stainless steel, the hardened rollers option is required.

WPP series

Hydraulic workshop presses for demanding applications

- ▶ Robust frame with perforated grid for adjusting the press table
- ▶ Reliable, particularly precise hydraulics from European production
- ▶ Pressure build-up manually by actuating the pump lever
- ▶ **All WPP models with movable piston (except WPP 50 M)**
- ▶ With automatic return of the piston
- ▶ Pressing pressure readable via pressure gauge
- ▶ With overpressure valve
- ▶ Including 2-part prism set for inserting round material

WPP 15 T

- ▶ Bench-top workshop press
- ▶ Hand lever

WPP 15

- ▶ Illustration with optional foot pedal
- ▶ Column workshop press
- ▶ Hand lever

WPP 30

- ▶ Column workshop press
- ▶ Equipped with a winch for lifting and lowering the workbench
- ▶ Hand lever

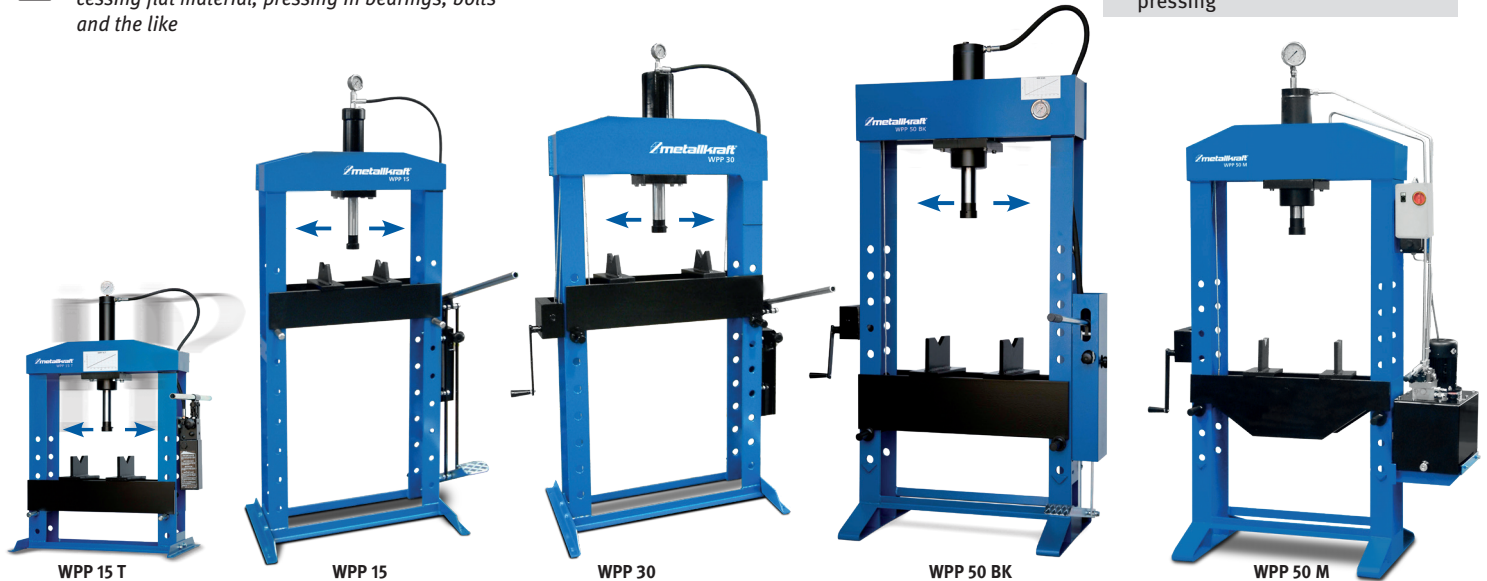
WPP 30/50 BK

- ▶ Equipped with winch for lifting and lowering of the table
- ▶ Hand and foot lever

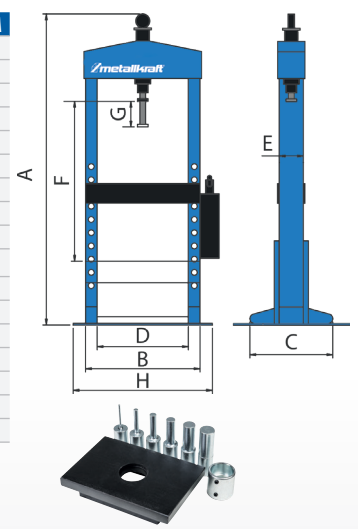
WPP 50 M

- ▶ With double-acting cylinder
- ▶ Pressurisation via electric pump
- ▶ With winch for raising and lowering the table
- ▶ Automatic changeover of the piston working speed
- ▶ Manual hand lever for fine pressing

Optional perforated plates must be used for processing flat material, pressing in bearings, bolts and the like



Technical data		WPP 15 T	WPP 15	WPP 20	WPP 30	WPP 20 BK	WPP 30 BK	WPP 50 BK	WPP 50 M
Art no.		4001115	4001015	4001020	4001030	4002020	4002030	4002050	4003050
A - height	mm	1350	1890	1900	1980	1750	1920	2000	2290
B - Width without pump	mm	690	620	770	890	870	990	990	985
C - Depth	mm	500	600	600	600	650	650	650	650
D - Clear width	mm	550	500	610	710	690	790	790	790
E - Depth perforated frame	mm	150	150	150	150	180	200	210	210
F - Clear height	mm	550	1000	1000	1000	950	1030	1000	1050
G - Piston stroke	mm	160	160	160	160	160	160	150	250
H - total width	mm	900	900	950	1150	1010	1240	1400	1350
Piston travel	mm	340	340	380	450	450	550	500	-
Internal Ø perforated plate	mm	50	50	50	50	50	50	50	50
Power	t	15	15	20	30	20	30	50	50
Prism jaw load max.	t	3.5	3.5	5	7.5	5	7.5	12.5	12.5
Feed speed	mm/s	-	-	-	-	-	-	-	1.5/10
Motor power	kW	-	-	-	-	-	-	-	1.5
Electrical connection ~50 Hz	V	-	-	-	-	-	-	-	400
Weight approx.	kg	105	120	140	230	210	280	360	420



6-part pressure mandrel set with perforated plate (Ø 29, 24, 18, 14, 10, 5 mm)	Art. no.
for WPP 15 and WPP 15 T	4101115
for WPP 20	4101020
for WPP 20 BK	4102020
for WPP 30	4101030
Retrofit kit foot pedal for pump without mounting for WPP 15 and WPP 20	4101021

6-part pressure mandrel set with perforated plate (Ø 29, 24, 18, 14, 10, 5 mm)	Art. no.
for WPP 30 BK	4102030
for WPP 50 BK	4102050
for WPP 50 M	4103050
Perforated plate (without pressure mandrel set)	Art. no.
for WPP 15 T, WPP 15, WPP 20	4104005
for WPP 20 BK	4104002
for WPP 30 and WPP 30 BK	4104003
for WPP 50 M/BK	4104004

WPP HBK series

Heavy-duty, hydraulic workshop presses with movable cylinder and two piston feed speeds

- ▶ Suitable for assembly and straightening work as well as for workpiece testing or pressing bearings and other components in and out
- ▶ Ideal for technical workshops, repair shops and technical training centres

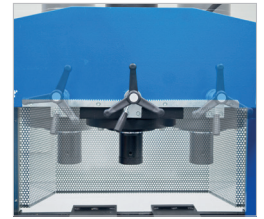
- ▶ The hydraulics work extremely precisely in both electric and manual mode
- ▶ Lateral adjustment of the cylinder via star grip
- ▶ Increased stability due to improved design of the machine base

WPP 60 HBK

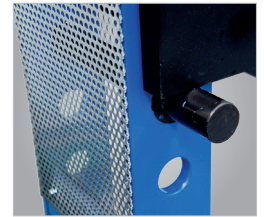
- ▶ Pressing force 60t
- ▶ Pressure gauge on machine side
- ▶ Cable winch for table height adjustment

WPP 100 HBK

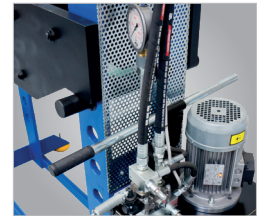
- ▶ Pressing force 100t
- ▶ Pressure gauge on machine side



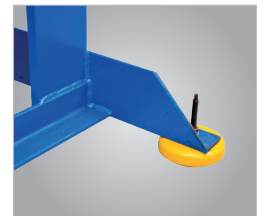
- ▶ Quick and easy adjustment of the cylinder via rack and pinion and star grip



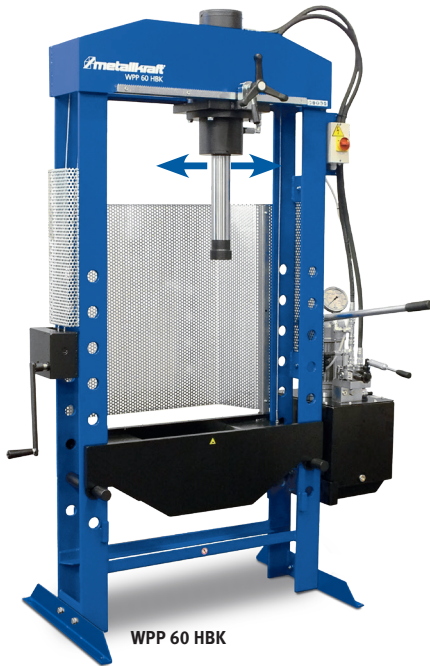
- ▶ WPP100/160/200 with drag chain for height adjustment of the table via piston retraction



- ▶ Convenient and clear operation of the hydraulic unit



- ▶ Sturdy frame construction with a flatter design



Technical data		60 HBK	100 HBK	100 HBK D 1500	160 HBK	160 HBK D 1500
Art no.		4013060	4013100	4013101	4013160	4013161
A - height	mm	2290	2280	2280	2450	2450
B - Width without pump	mm	990	1290	1790	1320	1820
C - Width with pump	mm	1350	1600	2100	1950	2450
D - Depth	mm	650	850	850	1000	1000
E - Clear width	mm	790	1030	1530	1020	1520
F - Clear height	mm	1000	1000	1000	1020	1020
G - Depth perforated frame	mm	180	265	265	300	300
H - Piston stroke	mm	300	320	320	400	400
I - Piston travel	mm	450	550	1000	550	950
Piston Ø	mm	80	98	98	148	148
Internal Ø perforated plate	mm	50	50	50	50	50
Power	t	60	100	100	160	160
Pressing speed	mm/s	1.5	1.5	1.5	1.5	1.5
Feed speed	mm/s	10	10	10	10	10
Motor power	kW	1.5	1.5	1.5	1.5	1.5
Electrical connection ~50 Hz	V	400	400	400	400	400
Weight approx.	kg	570	1205	1700	1780	2130

Scope of delivery: Delivery with hydraulic oil

Accessory	Art. no.
Perforated plate 60 t (WPP 60)	4106060
Pressure mandrel set (WPP 60)	4107060
Perforated plate 100 t (WPP 100)	4106100
Pressure mandrel set (WPP 100)	4107100
Perforated plate 160 t (WPP 160)	4106160
Pressure mandrel set (WPP 160)	4107160

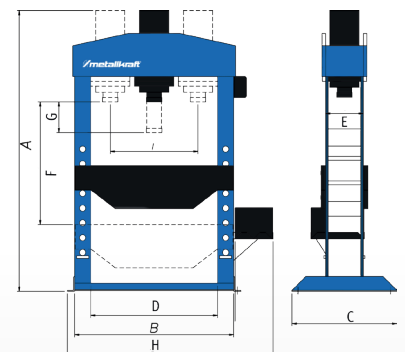
Accessory	Art. no.
Prism block set ²⁾ for WPP 60 HBK	4105060
Prism block set ²⁾ for WPP 100 HBK	4105100
Prism block set ²⁾ for WPP 160 HBK	4105160

²⁾ Set contains 2 prism blocks

WPP 60 HBK can be loaded with **30 tonnes per block**

WPP 100 HBK can be loaded with **50 tonnes per block**

WPP 160 HBK can be loaded with **80 tonnes per block**



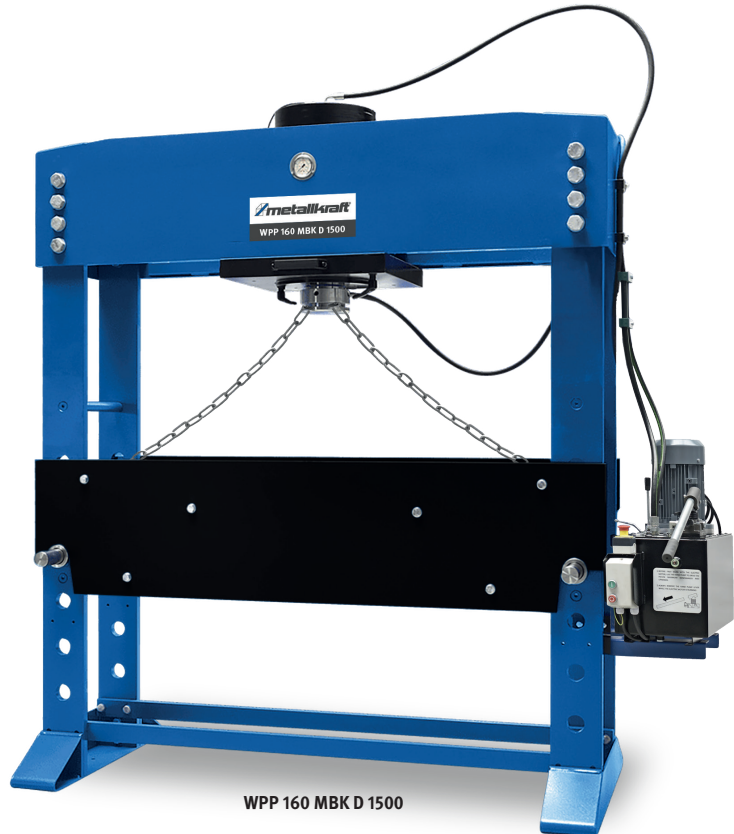
WPP MBK series

Hydraulic workshop press ideal for general assembly and straightening work

- ▶ Perfectly suited for pressing, bending, straightening and workpiece testing
- ▶ All WPP MBK models are equipped with a movable cylinder
- ▶ Robust frame with perforated grid for height adjustment of the worktable
- ▶ Joystick control of the piston and a hand pump for precision work
- ▶ Hydraulic unit with two speeds
- ▶ Pressing pressure readable via pressure gauge
- ▶ Manual pressure control via a rotary knob



WPP 60 MBK



WPP 160 MBK D 1500

Scope of delivery:

- › Delivery with hydraulic oil
- › 2x load hooks for height adjustment
- › 2x load chains for height adjustment

Technical data		WPP 60 MBK	WPP 100 MBK	WPP 100 MBK D 1500	WPP 160 MBK	WPP 160 MBK D 1500	WPP 200 MBK
Art no.		4031060	4031100	4031105	4031160	4031165	4031200
Pressing force	t	60	100	100	160	160	200
Piston stroke	mm	380	380	380	400	400	400
Forward speed	mm/s	9.5	9.8	9.8	7.48	7.48	6
Pressing speed	mm/s	2.87	2.54	2.54	2.40	2.40	1.20
Return speed	mm/s	12	12	12	9.35	9.35	7.43
Clearance height min. - max.	mm	197 – 947	180 – 930	130 – 880	180 – 930	180 – 930	180 – 930
Clearance width	mm	750	1100	1500	1100	1500	1300
Piston adapter diameter	mm	100	120	120	160	160	175
Piston diameter	mm	75	90	90	125	125	140
Cylinder diameter	mm	170	220	220	280	280	320
Drive motor power	kW	2.2	3	3	3	3	3
Electrical connection ~50 Hz	V	400	400	400	400	400	400
Dimensions (L x W x H) approx.	mm	1,315 x 805 x 2,120	1,665 x 865 x 2,140	2,065 x 865 x 2,080	1,725 x 935 x 2,200	2,125 x 935 x 2,270	1,925 x 975 x 2,270
Weight approx.	kg	540	970	1145	1195	1430	1690

RP 15

Hydraulic broaching press developed for precision machining tasks

- ▶ Specially developed for linear broaching suitable for almost any metal alloy
- ▶ Equipped with a fixed cylinder
- ▶ Robust frame with perforated grid for height adjustment of the worktable
- ▶ Protective grid on the front and rear and a locking mechanism ensure safe operation
- ▶ Joystick control of the piston
- ▶ Speed controller for fine adjustment of the cylinder speed
- ▶ Working pressure readable via pressure gauge
- ▶ Manual pressure control via a rotary knob

Technical data		RP 15
Art no.		4032015
Pressing force	t	15
Piston stroke	mm	600
Forward speed	mm/s	0 – 30
Pressing speed	mm/s	0 – 30
Return speed	mm/s	0 – 40
Clearance height min. - max.	mm	112 – 1012
Clearance width	mm	650
Piston adapter diameter	mm	80
Piston diameter	mm	50
Cylinder diameter	mm	90
Drive motor power	kW	5.5
Electrical connection ~50 Hz	V	400
Dimensions (L x W x H) approx.	mm	1,265 x 720 x 2,300
Weight approx.	kg	305



Scope of delivery:
▶ Delivery with hydraulic oil

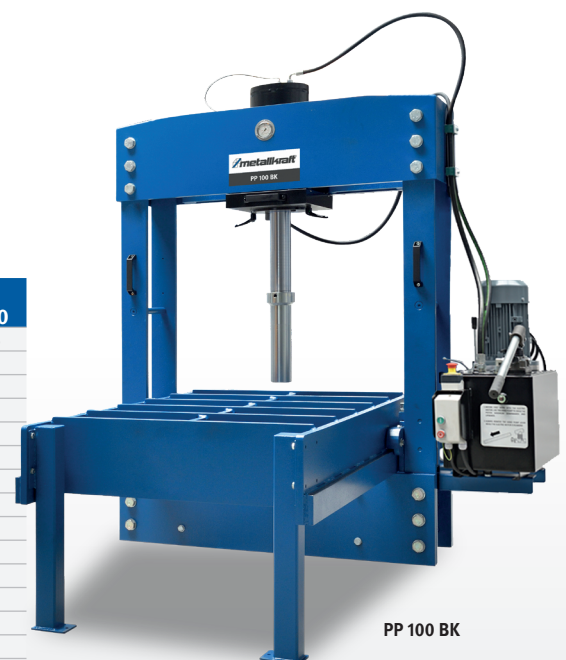
PP BK series

Hydraulic portal press suitable for handling large / heavy material

- ▶ Ideal for straightening large sheets and heavy constructions
- ▶ Equipped with manually movable portal and cylinder
- ▶ Joystick control of the piston and a hand pump for precision work
- ▶ Pressing pressure readable via pressure gauge
- ▶ Manual pressure control via a rotary knob
- ▶ Hydraulic unit with two speeds and automatic high-speed cut-off

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Technical data		PP 100 BK	PP 100 BK D 1500	PP 160 BK	PP 160 BK D 1500
Art. no.		4041100	4041105	4041160	4041165
Pressing force	t	100	100	160	160
Piston stroke	mm	380	380	400	400
Forward speed	mm/s	9.8	9.8	7.48	7.48
Pressing speed	mm/s	2.54	2.54	2.40	2.40
Return speed	mm/s	12	12	9.35	9.35
Worktable height	mm	720	720	760	760
Worktable length	mm	1740	1740	1740	1740
Worktable width	mm	996	1396	996	1396
Max. clearance height	mm	700	700	700	700
Light width	mm	1100	1500	1100	1500
Piston adapter diameter	mm	120	120	160	160
Piston diameter	mm	90	90	125	125
Cylinder diameter	mm	220	220	280	280
Drive motor power	kW	3	3	3	3
Electrical connection ~50 Hz	V	400	400	400	400
Dimensions (L x W x H) approx.	mm	1740 x 1670 x 2035	1740 x 2070 x 2045	1740 x 1725 x 2105	1740 x 2125 x 2115
Weight approx.	kg	1685	1950	2265	2600



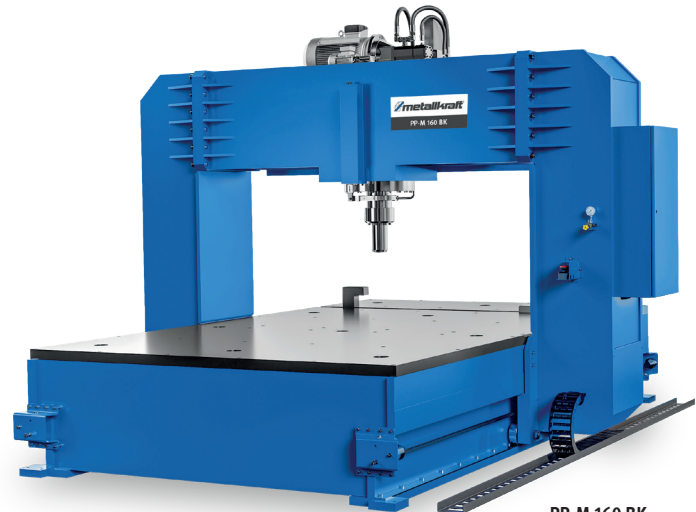
PP 100 BK

Scope of delivery:
▶ Delivery with hydraulic oil

PP-M BK series

Motorised portal presses, for processing large workpieces

- ▶ Ideal for straightening large sheets and heavy structures
- ▶ Motorised movable frame and cylinder
- ▶ NC control for setting the pressure, piston stroke and holding time
- ▶ Up to 100 different work cycles can be saved
- ▶ Hydraulic unit with two speeds and automatic high-speed cut-off
- ▶ Pressing pressure readable via pressure gauge



PP-M 160 BK

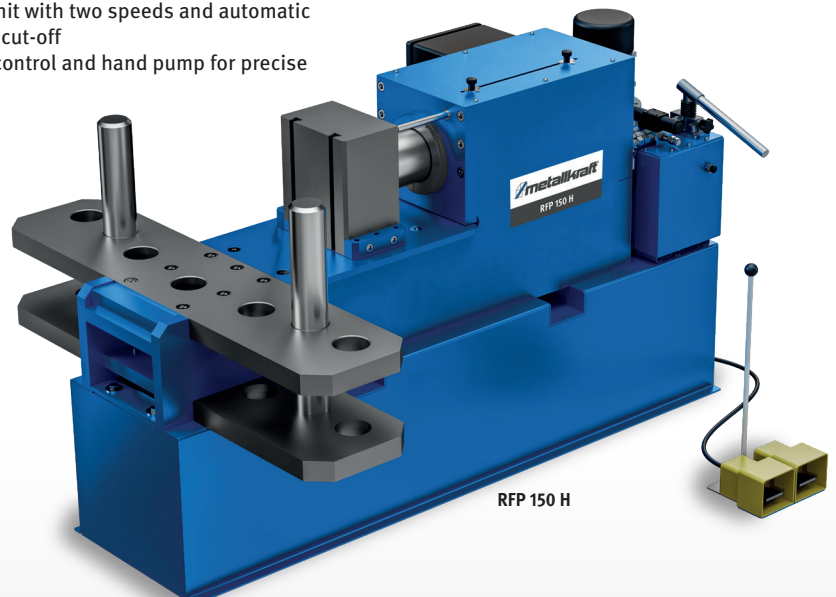
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Technical data		PP-M 160 BK	PP-M 220 BK	PP-M 300 BK
Art. no.		4042160	4042220	4042300
Pressing force	t	160	220	300
Piston stroke	mm	460	460	460
Forward speed	mm/s	9.9	9	9
Pressing speed	mm/s	3	3	3
Return speed	mm/s	15.4	16.2	14.7
Work table (L x W x H)	mm	3,000x700x1,800	3,500x800x2,000	4,000x800x2,500
Max. clearance height	mm	850	850	850
Light width	mm	1850	2050	2550
Drive motor power	kW	4	5.5	7.5
Electrical connection ~50 Hz	V	400	400	400
Dimensions (L x W x H) approx.	mm	3.500x2.800x2,700	4.000x3.200x3,100	4.500x3.900x3,300
Weight approx.	kg	8700	12000	16000

RFP H series

Hydraulic straightening and moulding presses, developed for straightening and bending large profiles, bars and beams

- ▶ Horizontal design for easy handling of large workpieces
- ▶ Support pins for additional stability
- ▶ Main table with lateral guides for perfect alignment
- ▶ Limit switch for precise regulation of the cylinder stroke
- ▶ Pressing pressure readable via pressure gauge
- ▶ Hydraulic unit with two speeds and automatic high-speed cut-off
- ▶ Foot pedal control and hand pump for precise work



RFP 150 H

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Technical data		RFP 100 H	RFP 150 H
Art. no.		4043100	4043150
Pressing force	t	100	150
Piston stroke	mm	380	380
Pressing speed	mm/s	2.54	2.4
Return speed	mm/s	12	9.35
Work table (L x W x H)	mm	350x800x300	400x800x400
Drive motor power	kW	3	4
Electrical connection ~50 Hz	V	400	400
Dimensions (L x W x H) approx.	mm	2.040x1.500x1,200	2.350x1.600x1,300
Weight approx.	kg	1980	3450

RP C series

Hydraulic presses for a wide range of applications

- ▶ Suitable for cutting, pressing, punching and embossing
- ▶ NC control for setting the piston stroke, pressure and holding time
- ▶ Work table equipped with T-slots and a central hole (punching waste can fall unhindered into the collection tray)
- ▶ Piston with a holder for clamping various tools
- ▶ Manual and automatic working mode
- ▶ Operation via foot pedal
- ▶ Pressing pressure readable via pressure gauge
- ▶ Manual pressure control via a rotary knob



RP C 28

ASK FOR YOUR PERSONALISED OFFER!

Technical data		RP C 28	RP C 50	RP C 100
Art. no.		4044028	4044050	4044100
Pressing force	t	28	50	100
Piston stroke	mm	150	150	260
Pressing speed	mm/s	2–9.1	2–9.6	1–7.6
Return speed	mm/s	13	13	12.5
Work table (L x W x H)	mm	325x1067x300	650x1086x490	780x1086x480
Max. clearance height	mm	280	325	450
Drive motor power	kW	4	5.5	7.5
Electrical connection ~50 Hz	V	400	400	400
Dimensions (L x W x H) approx.	mm	850x750x1,980	1.050x850x2,100	1.600x1.500x2,200
Weight approx.	kg	650	1400	2900

RP C 60 MT

Hydraulic press for a wide range of applications

- ▶ Suitable for general assembly and straightening work as well as workpiece testing
- ▶ Height-adjustable worktable
- ▶ Manual control of the piston
- ▶ Hydraulic unit with two speeds
- ▶ Pressing pressure readable via pressure gauge
- ▶ Manual pressure control via a rotary knob



ASK FOR YOUR PERSONALISED OFFER!

Technical data		RP C 60 MT
Art. no.		4044260
Pressing force	t	60
Piston stroke	mm	380
Forward speed	mm/s	9.5
Pressing speed	mm/s	2.87
Return speed	mm/s	12
Max. clearance height	mm	775
Drive motor power	kW	2.2
Electrical connection ~50 Hz	V	400
Dimensions (L x W x H) approx.	mm	1,300x650x2,100
Weight approx.	kg	1250

RP CU series

Hydraulic presses for a wide range of applications

- ▶ Particularly suitable for demanding work such as embossing, deep drawing and punching
- ▶ Can be integrated into automatic production lines
- ▶ Upper and lower table equipped with T-slots
- ▶ Lateral cylindrical guides on the top table guarantee parallelism
- ▶ NC control for setting the piston stroke, pressure and holding time
- ▶ Storage of up to 100 different work cycles
- ▶ Two side guards equipped with light barriers at the front
- ▶ Manual and automatic working mode
- ▶ Hydraulic unit with two speeds

- ▶ Operation via foot pedal
- ▶ Pressing pressure readable via pressure gauge
- ▶ Manual pressure control via a rotary knob



RP CU 50

ASK FOR YOUR PERSONALISED OFFER!

Technical data		RP CU 50	RP CU 100	RP CU 150
Article no.		4044305	4044310	4044315
Pressing force	t	50	100	150
Piston stroke	mm	260	260	260
Forward speed	mm/s	40	30	20
Pressing speed	mm/s	9.6	6.4	4.3
Return speed	mm/s	67	53	26.7
Work table (L x W x H)	mm	700x450x875	780x480x875	850x600x875
Max. clearance height	mm	400	450	450
Plunger plate (L x W)	mm	500x280	700x400	720x460
Drive motor power	kW	5.5	7.5	7.5
Electrical connection ~50 Hz	V	400	400	400
Dimensions (L x W x H) approx.	mm	1500x1405x2100	1600x1500x2200	1800x1550x2300
Weight approx.	kg	2150	3400	4500

RP CU 50 HS / RP CU 100 HS / RP CU 150 HS

Hydraulic press for a wide range of applications

- ▶ Particularly suitable for demanding work such as embossing, deep drawing and punching
- ▶ Swivelling HMI control
- ▶ Can be integrated into automatic production lines
- ▶ Upper and lower table equipped with T-slots
- ▶ Lateral cylindrical guides on the top table guarantee parallelism
- ▶ NC control for setting the piston stroke, pressure and holding time
- ▶ Storage of up to 100 different work cycles
- ▶ Two side guards equipped with light barriers at the front
- ▶ Manual and automatic working mode
- ▶ Hydraulic unit with two speeds
- ▶ Operation via foot pedal
- ▶ Pressing pressure readable via pressure gauge



RP CU 100 HS

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Technical data		RP CU 50 HS	RP CU 100 HS	RP CU 150 HS
Art. no.		4044405	4044410	4044415
Pressing force	t	50	100	150
Piston stroke	mm	400	400	400
Forward speed	mm/s	120	90	73
Pressing speed	mm/s	9.6	4.7	4.7
Return speed	mm/s	160	160	110
Work table (L x W x H)	mm	700x450x875	780x480x875	850x875x600
Max. clearance height	mm	450	600	600
Plunger plate (L x W)	mm	500x280	700x400	720x460
Drive motor power	kW	5.5	7.5	7.5
Electrical connection ~50 Hz	V	400	400	400
Dimensions (L x W x H) approx.	mm	1.500x1.405x2.500	1.700x1.500x2.730	2.000x1.800x2.750
Weight approx.	kg	3000	4100	5100

VSP 50 / VSP 80

4-column presses for perfect parallelism for your pressing tasks

- ▶ Ideal for work such as cutting, embossing and punching
- ▶ NC control for setting the piston stroke, pressure, holding time and piston speed
- ▶ Upper and lower table equipped with T-slots and M12 threaded holes
- ▶ Work table with central hole for easy collection of punching waste
- ▶ Manual pressure control via a rotary knob
- ▶ Manual and semi-automatic working mode
- ▶ Hydraulic unit with two speeds
- ▶ Operation via foot pedal
- ▶ Pressing pressure readable via pressure gauge



VSP 50

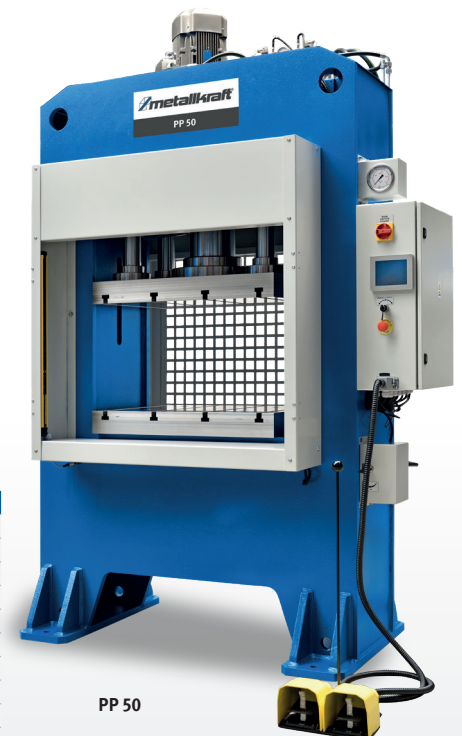
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Technical data		VSP 50	VSP 80
Art. no.		4045050	4045080
Pressing force	t	50	80
Piston stroke	mm	350	350
Pressing speed	mm/s	2 – 9.8	2 – 9.8
Return speed	mm/s	12.8	12.8
Work table (L x W x H)	mm	560x270x990	650x350x990
Max. clearance height	mm	500	500
Drive motor power	kW	5.5	7.5
Electrical connection ~50 Hz	V	400	400
Dimensions (L x W x H) approx.	mm	750x1.150x2,450	870x1.260x2,470
Weight approx.	kg	1950	2700

PP 50 / PP 100 / PP 150

Production presses ideal for punching and moulding

- ▶ Particularly suitable for demanding work such as embossing, deep drawing and punching
- ▶ Can be integrated into automatic production lines
- ▶ Upper and lower table equipped with T-slots
- ▶ Lateral cylindrical guides on the top table guarantee parallelism
- ▶ NC control for setting the piston stroke, pressure and holding time
- ▶ Storage of up to 100 different work cycles
- ▶ Manual and automatic working mode
- ▶ Manual pressure control via a rotary knob
- ▶ Hydraulic unit with two speeds and automatic high-speed cut-off
- ▶ Operation via foot pedal
- ▶ Light barriers on the front
- ▶ Pressing pressure readable via pressure gauge



PP 50

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Technical data		PP 50	PP 100	PP 150
Art. no.		4046050	4046100	4046150
Pressing force	t	50	100	150
Piston stroke	mm	260	260	260
Forward speed	mm/s	40	30	20
Pressing speed	mm/s	9.6	6.4	4.3
Return speed	mm/s	67	53	26.7
Work table (L x W x H)	mm	700x450x875	780x480x875	850x600x875
Max. clearance height	mm	480	480	480
Light width	mm	700	850	920
Plunger plate (L x W)	mm	500x280	700x400	720x460
Drive motor power	kW	5.5	7.5	7.5
Electrical connection ~50 Hz	V	400	400	400
Dimensions (L x W x H) approx.	mm	950x1.400x2,400	1.080x1.600x2,650	1.200x1.730x28.50
Weight approx.	kg	1900	2600	3650

HBP series

Hydraulic, universally applicable horizontal bending presses with NC control for the immersion depth

- ▶ For precise bending of pipe and solid material
- ▶ Durable construction of the tools and tool guides made of high-quality, hardened steel
- ▶ Manual operation via two foot pedals for forward and reverse travel
- ▶ Automatic operation by programming the front and rear end points
- ▶ Simple replacement of the die and punch
- ▶ Foot pedal with digital display and emergency stop switch



- ▶ Robust machine design
- ▶ Manual and automatic mode selectable
- ▶ Easy tool change



- ▶ Control panel with digital display and EMERGENCY STOP switch



- ▶ With quick-change adapter and side stop with scale



HBP 30

Note
 Extensive range of accessories on request or in our METALKRAFT catalogue or www.metalkraft-machines.com!



Scope of delivery	HBP 10	HBP 20	HBP 30	HBP 40	HBP 50	HBP 80	HBP 100
Bending punch							
60°, height 150 mm; R 5 mm	X						
68°, height 200 mm; R 5 mm		X					
68°, height 250 mm; R 6 mm			X	X			
68°, height 300 mm; R 5 mm					X	X	X
Quick-change die 60°							
Height 150 mm; V 60 mm	X						
Height 200 mm; V 60 mm		X					
Height 250 mm; V 60 mm			X	X			
Height 300 mm; V 60 mm					X	X	X
Foot pedal with digital display	X	X	X	X	X	X	X
Side stop 300 mm	X	X	X	X	X	X	X

Technical data		HBP 10	HBP 20	HBP 30	HBP 40	HBP 50	HBP 80	HBP 100
Art no.		3812510	3812520	3812530	3812540	3812550	3812580	3812599
Pressing force max.	t	10	20	30	40	50	80	100
Oil tank volume	l	12	12	40	40	60	120	120
Bending capacity (400 N/mm ²)	mm	150 x 8	200 x 12	250 x 18	250 x 24	300 x 15	300 x 20	300 x 25
Bending capacity Pipe material ²⁾	mm	42 x 3.2	48 x 4.0	60 x 4.0	60 x 5.0	76 x 4.0	90 x 9	114 x 8
Stroke max.	mm	185	185	285	285	285	285	285
Bolt diameter	mm	60	80	80	80	90	105	105
Tool height	mm	150	200	250	250	300	300	300
Operating speed	mm/s	10	10	10	10	10	10	10
Return speed	mm/s	10	10	10	10	10	10	10
Table length x width	mm	450 x 900	480 x 1,060	660 x 1,250	660 x 1,250	600 x 1,250	750 x 1,425	750 x 1,425
Working height	mm	915	930	930	930	930	930	930
Motor power	kW	1.1	2.2	3	4	7.5	10	10
Dimensions (L x W)	mm	900 x 450	1150 x 480	1250 x 650	1250 x 650	1400 x 600	1430 x 750	1430 x 750
Dimension (height)	mm	1130	1200	1250	1250	1500	1450	1450
Weight approx.	kg	250	530	1050	1050	1450	1700	1700

All hydraulic horizontal bending presses are supplied without hydraulic oil 2) Option required

HOLZKRAFT minimax si 4 - 400 / 26 ALU

Professional size sliding table saws in heavy-duty design and sliding table carriage made of anodised aluminium especially for cutting aluminium and plastic

- ▶ Smooth-running anodised aluminium sliding carriage
- ▶ Large table extension arm (longitudinally adjustable) with material roller on telescopic arm
- ▶ Extendable telescopic crosscut fence with two folding stops
- ▶ Precise rip fence, foldable for large panels, with quick clamping and integrated fine adjustment
- ▶ Table widening as standard, with table extension and eccentric clamp

- ▶ Large work table made of stress-free grey cast iron
- ▶ Saw unit made of a robust cast iron ring mould with double swivel segment guide (double weighing) and zero-point swivel for a smooth and perfect cut
- ▶ On/off switch on the sliding carriage
- ▶ High dead weight ensures precision and smooth running
- ▶ Two cutting speeds for optimum cutting results
- ▶ Cutting width 900 mm



*** Aluminium sliding carriage**
 ▶ Sliding carriage is guided smoothly and with high precision by a ball contact system that has been tried and tested thousands of times
 ▶ Ten-year HOLZKRAFT guarantee on wear of the hardened guideways



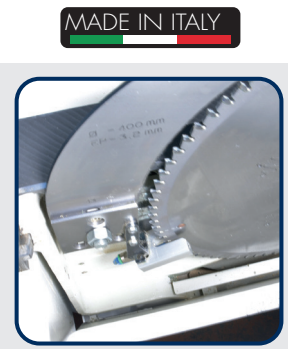
for the processing of aluminium

Fig. shows si 4 - 315 / 23 without device for angle cuts and with optional pendulum guard

Scope of delivery :

- Anodised aluminium size sliding carriage
- Material roller on the extension arm
- Saw rip fence with round bar guide
- Table extension
- Table widening
- Folding stops
- Eccentric clamp
- Handle for sliding carriage
- Saw blade pendulum guard
- Micro-spraying device
- 2 saw blade speeds, electronically adjustable via inverter

Technical data		minimax si 4 - 400 / 26 ALU
Art no.		3624950
Table dimensions (L x W)	mm	940 x 560
Table height	mm	900
Trimming length	mm	2600
Sliding carriage (L x W x H)	mm	360 x 142 x 2600
Cutting height 90°/45° max.	mm	138 / 98
Cutting width to the left of the saw blade max.	mm	2660
Cutting width with rip fence	mm	900
Saw blade inclination	°	0 - 45
Saw blade Ø max.	mm	400
Main saw blade speed	min ⁻¹	3,500 / 5,000
Suction nozzle diameter	mm	120
Suction nozzle Ø Saw blade guard	mm	80
Motor power ~50 Hz	kW	7 / 400
Required space (L x W)	mm	5890 x 4,860
Weight approx.	kg	715



▶ Micro-metering device directly on the saw blade



Micro-metering device
 ▶ With extra large lubricant reservoir, frequency-controlled pump and spray head
 ▶ Separate air and spray agent supply, thus no dripping



▶ With manual height adjustment and swivelling of the saw unit by handwheel
 ▶ Two cutting speeds switchable via inverter
 ▶ Switching on the micro-spraying device



6 YEARS HOLZKRAFT GUARANTEE for wear* of the swivel segments
 ▶ Permanent precision thanks to 2-fold swivelling segment guide

Accessory | **Saw blade 400 mm for aluminium**
 Art. no. 3650400



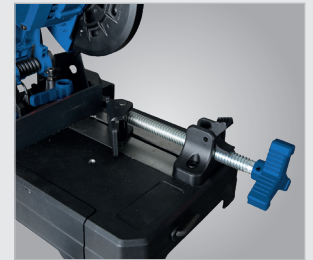
The matching clean air dust extractors RLA 1601 P & RLA 2001 P can be found in our HOLZKRAFT catalogue

elite s

MTS 185-3 B

Metal dry cutter with three speeds

- ▶ Ideal for sawing pipes and profiles made of stainless steel, steel, non-ferrous metals, plastics and composite materials
- ▶ Application e.g. in metal construction, joineries, interior fitters etc.
- ▶ Angle for mitre cuts right 45°
- ▶ Easy to transport
- ▶ Motor with soft start for easier handling when switching on the saw
- ▶ Vice with quick adjustment
- ▶ Secure stand thanks to die-cast aluminium base
- ▶ Extremely stable and robust construction
- ▶ suitable for stainless steel with optional saw blade



- ▶ Angle for mitre cuts right 45°
- ▶ Vice with quick adjustment

suitable for solid material, profiles and pipes



Technical data		MTS 185-3 B
Art no.		3840186
Cutting capacity 0° (square) pipe	mm	45 x 45
Cutting capacity 0° (rectangular) pipe	mm	35 x 35
Cutting capacity 0° (round) pipe	mm	Ø 55
Rotational speeds	min ⁻¹	1900 / 2300 / 2800
Mitre square	°	45°
Saw blade Ø	mm	185
Motor power ~50 Hz	kW/V	1.5 / 230
Weight approx.	kg	12.5



Acrylic glass Aluminium Steel Stainless steel Brass Plastic

Accessory	Art. no.
Steel saw blade Ø185 x 1.8/1.4 x 22mm Z36	3850150
Stainless steel saw blade Ø185 x 1.8/1.4 x 22 mm Z72	3850151

MTS 356-4B

Metal dry cutter with 4 speeds

- ▶ With brushless motor - particularly efficient, quiet, durable and maintenance-free
- ▶ Ideal for sawing pipes and profiles made of stainless steel, steel, non-ferrous metals, plastics and composite materials
- ▶ Easy to transport
- ▶ **Four speeds selectable at the touch of a button** for optimal adaptation to the material to be cut
- ▶ Motor with soft start
- ▶ Angle adjustment 0° - 45° for mitre cuts
- ▶ Vice with quick adjustment
- ▶ With spindle lock for quick saw blade changes
- ▶ Compatible with the MUG 1 machine base (Art. no. 3630000)



- ▶ LC display for reading the set speed and power
- ▶ Gradual adjustment of the cutting speed by 100 rpm using the plus and minus buttons

suitable for solid material, profiles and pipes



Acrylic glass Aluminium Steel Stainless steel Brass Plastic

Technical data		MTS 356-4B
Art no.		3840356
Cutting capacity 0° (square) pipe	mm	125 x 125
Cutting capacity 0° (rectangular) pipe	mm	170 x 110
Cutting capacity 0° (round) pipe	mm	130
Rotational speeds	min ⁻¹	700/900/1100/1300
Mitre square	°	0 - 45
Saw blade Ø	mm	355
Motor power ~50 Hz	kW/V	3.5/ 230
Weight approx.	kg	25

Scope of delivery
• Saw blade for steel Ø 355x25.4x2.4 mm Z66

Scope of delivery SET2
• Art. no.3840356SET2
• Saw blade for steel Ø 355x25.4x2.4 mm Z66
• Substructure MUG1



- ▶ Large LED work light on the underside of the handle to illuminate the work area

Accessory	Art. no.
Saw blade for aluminium Ø 355 x 2.4 x 25.4 mm	3853502
Saw blade for stainless steel Ø 355 x 2.4 x 25.4 mm	3853503
Saw blade for steel Ø 355 x 2.4 x 25.4 mm Z80	3853504
Saw blade for steel Ø 355 x 2.4 x 25.4 mm Z90	3853505

HKS 230 / HKS 320 – Hand-held metal circular saw for use in the workshop and on construction sites.

For cutting aluminium, steel and stainless steel HKS 320 also for cutting sandwich panels

- ▶ The ideal machine for assembly companies, locksmiths, repair shops, stand builders, etc.
- ▶ Ideal for use where cut-off grinders are not powerful enough or work uncleanly
- ▶ Cuts stainless steel with low burr
- ▶ Chips dissipate the heat, therefore only low heat development during cutting

- ▶ Immersion in the material possible
- ▶ Stable and robust construction
- ▶ Handle can be screwed in at two different positions
- ▶ Simple operation
- ▶ Heavy-duty motor with soft start and overload protection

HKS 320

- ▶ Ideal for sawing steel, sandwich panels, trapezoidal sheet metal, cable ducts, steel pipes and profiles, ferrous and non-ferrous metals, composite materials, etc.
- ▶ Integrated chip tipping compartment,
- ▶ Connection for optional suction device

Info & Video



HKS 230



Technical data		HKS 230	HKS 320
Cutting range 0° □	mm	80	128
Cutting range 45° □	mm	56	–
Saw blade Ø max.	mm	230	320
Saw blade bore	mm	Ø 25.4	Ø 25.4
Saw blade thickness	mm	2	2
Rotational speeds	min ⁻¹	2200	1700
Motor power 230 V ~50 Hz	kW	1.7	1.8
Dimensions (L x W x H) approx.	mm	620 x 320 x 270	500 x 342 x 355
Weight approx.	kg	8	8.5

UNIVERSAL CARBIDE CIRCULAR SAW BLADES

- ▶ For fast cuts in steel, aluminium, stainless steel, non-ferrous metals, profiles, solid material, sheet metal, cables
- ▶ Also suitable for cut-off saws from Jepson, Global, Ryobi and Ridgid
- ▶ Enables cuts without coolant
- ▶ Saw blades can be resharpened

Saw blades specially designed for the machines and the respective applications:



Steel



Aluminium



Stainless steel



Premium quality
Made in Japan

for MTS 356	Ø in mm	Blade thickness	Teeth	Art. no.
Steel S235JR	305 x 25.4	2.4 mm	60	3853051
Steel - Thin	355 x 25.4	2.4 mm	90	3853505
Steel S235JR	355 x 25.4	2.4 mm	90	3853503
Steel S235JR	355 x 25.4	2.4 mm	80	3853504
Aluminium	355 x 25.4	2.4 mm	80	3853502

for HKS 230	Ø in mm	Blade thickness	Teeth	Art. no.
Steel - Thin	230 x 25.4	1.4 mm	68	3850235
Steel S235JR	230 x 25.4	2.0 mm	48	3850231
Aluminium	230 x 25.4	2.4 mm	80	3850232
Stainless steel	230 x 25.4	1.8 mm	60	3850233

for HKS 320	Ø in mm	Blade thickness	Teeth	Art. no.
Stainless steel	320 x 25.4	2.2 mm	84	3853203
Steel S235JR	320 x 25.4	2.2 mm	80	3853204

MKS 350 E

Manual metal circular saw with swivelling mitre saw head and vice

- ▶ Two cutting speeds
- ▶ Automatic diaphragm coolant pump with coolant filter as standard
- ▶ Mitre adjustment from -45° to 45°
- ▶ Vice with double clamping device guarantees a precise and burr-free cut

Technical data		MKS 350 E
Art no.		3629350
Rotational speeds	min ⁻¹	36/72
Spanning width of vice	mm	–
Saw blade Ø	mm	350
Inlet height incl. substructure	mm	–
Motor power	kW	1.1/2.2
Electrical connection ~50 Hz	V	400
Dimensions (L x W x H) ca.	mm	800 x 600 x 1600
Weight approx.	kg	236

Scope of delivery

- Coolant device with filter
- Self-centring vice
- Machine base

Accessory	Art. no.
Saw blade Ø 350 x 2.5 x 32 mm t4	3653504
Saw blade Ø 350 x 2.5 x 32 mm t6	3653506
Drilling and cutting emulsion	3601752
AQUACUT B Pro, 5 litres	
Cutting oil BIOCUT, 5 litres	3608020



MKS series - Manual metal circular saws with low speed

- ▶ Two cutting speeds (except 230 V)
- ▶ Reduction gearbox, low-noise running in oil bath
- ▶ Rotatable machine head 45° to the left and 45° to the right
- ▶ Electrical system in low voltage 24 V, with emergency stop switch, main switch, speed selector switch and overload protection
- ▶ Movable safety guard ensures optimum safety when cutting

- ▶ Quick-release vice with anti-burr device 45° to the left and 45° to the right
- ▶ Control handle with safety switch
- ▶ Automatic diaphragm coolant pump with standard coolant filter

How the semi-automatic MKS 350 H works:

- ▶ With additional semi-automatic function
- ▶ Activation of the motor and closing of the vice

- ▶ Lowering the saw head for cutting
- ▶ Return of the saw head to the starting position and stopping of the motor
- ▶ Opening of the vice

MKS 351

- ▶ Slow speeds make it particularly suitable for processing of stainless steel



MKS 250 N SET

MKS 275 N SET

MKS 315 N SET

MKS 350 H SET
with material support arm with roller

Scope of delivery

- Coolant device with filter
- Length stop 500 mm
- Operating tool
- HSS saw blade ZT4
- Substructure included

Technical data		MKS 250 N	MKS 255 N	MKS 275 N	MKS 315 N	MKS 350	MKS 351	MKS 350 H
Art. no.		3620251	3620253	3620275	3620303	3621350	3621351	3620352
Rotational speeds	min ⁻¹	40	40 - 80	40 - 80	40 - 80	40 - 80	20 - 40	40 - 80
Spanning width of vice	mm	100	100	105	120	120		120
Saw blade Ø	mm	250	250	275	315	350		350
Inlet height incl. substructure	mm	970	970	970	1025	1025		1040
Motor power	kW	1.1	0.95 - 1.32	1.1 - 1.5	1.5 - 2.2	1.8 - 2.4	1.5 - 2.2	1.8 - 2.4
Electrical connection ~50 Hz	V	230	400	400	400	400		400
Dimensions (L x W x H) ca.	mm	800 x 830 x 755	800 x 830 x 755	830 x 900 x 1025	1000 x 1150 x 1475	1000 x 1200 x 1475		1000 x 1200 x 1475
Weight approx.	kg	91	94	98	165	231	210	280

Cutting capacity MKS 250 N

	●	○	□	▭
0°	40	70	70x70	55x95
45°/45°	35	65	60x60	50x65

Cutting capacity MKS 255 N

	●	○	□	▭
0°	40	70	70x70	55x95
45°/45°	35	65	55x55	55x60

Cutting capacity MKS 275 N

	●	○	□	▭
0°	45	65	65x65	85x60
45°/45°	40	60	40x40	40x60

Cutting capacity MKS 315 N

	●	○	□	▭
0°	55	90	80x80	70x115
45°/45°	50	80	70x70	70x70

Cutting capacity MKS 350 / H

	●	○	□	▭
0°	60	110	100x100	80x120
45°/45°	55	80	80x80	80x80

Order your saw blade



Saw type	Dimension in mm	Saw blades per set ²⁾	Tooth pitch	Art. no.
MKS 250 N	250 x 2 x 32	2	4, 6	3652504
MKS 255 N	250 x 2 x 32	2	4, 6	3652504
MKS 275 N	275 x 2.5 x 32	3	4, 6, 8	3652754

Accessories

Accessories	Art. no.
Saw blade HSS-E Ø 350 x 2.5 x 32 mm Z4	3653514
Saw blade HSS-E Ø 350 x 2.5 x 32 mm Z6	3653516

Saw type	Dimension in mm	Saw blades per set ²⁾	Tooth pitch	Art. no.
MKS 315 N	315 x 2.5 x 32	3	4, 6, 8	3653154
MKS 350	350 x 2.5 x 32	2	4, 6	3653504
MKS 350 H	350 x 2.5 x 32	2	4, 6	3653504

MKS series

Manual and semi-automatic vertical metal circular saws with up to 370 mm saw blade

- ▶ Two cutting speeds
- ▶ Machine head guided vertically, with dovetail guide and adjustable wedge bar
- ▶ Adjustable depth stop for the vertical stroke of the saw head
- ▶ Coolant pump with coolant filter
- ▶ Chip clearer for sheet cleaning

MKS 315 V / MKS 316 V / MKS 350 V

- ▶ Stable and robust construction
- ▶ Machine head vertically guided, with dovetail guide and adjustable wedge bar, can be rotated 45° to the left and 60° to the right, with locking at 45°, 0°, -45°, 60°
- ▶ Coolant jet distribution for better lubrication of the saw blade
- ▶ Transversely adjustable quick-release vice with anti-burring device

MKS 315 VH/ MKS 350 VH

- ▶ Transversely adjustable pneumatic quick-release vice with anti-burring device
- Functionality of the semi-automatic machine**
- ▶ Vice closes and motor is activated
 - ▶ Lowering the saw head for cutting
 - ▶ Motor stops and saw head returns to the starting position
 - ▶ Opening of the vice

Scope of delivery

- Material support arm with roller
- Coolant device with filter
- Length stop 500 mm
- Operating tool
- HSS saw blade ZT4

Cutting capacity MKS 315 V / VH

	●	○	□	▭
0°	70	100	90 x 90	80 x 135
45°	70	100	90 x 90	80 x 100
45°	70	100	90 x 90	80 x 100
60°	70	80	70 x 70	70 x 70

Cutting capacity MKS 350 V / VH (with 370mm saw blade)

	●	○	□	▭
0°	120	100	90 x 90	90 x 170
45°	120	100	90 x 90	90 x 125
45°	120	100	90 x 90	90 x 125
60°	90	90	90 x 90	90 x 90

Accessories (MKS 315 V / MKS 316 V / MKS 350 V)

	Art. no.
Saw blade HSS-E Ø 315 x 2.5 x 32 mm Z4	3653254
Saw blade HSS-E Ø 315 x 2.5 x 32 mm Z6	3653256
Saw blade HSS-DMo5 - Ø 370 x 3.0 x 32 mm t6	3653706

Saw blade sets for saw type	Dimension in mm	Saw blades ¹⁾ per set	Tooth pitch (t)	Art. no.
MKS 315 V / VH	315 x 2.5 x 32	3	4, 6, 8	3653154
MKS 350 V / VH	350 x 2.5 x 32	2	4, 6	3653504

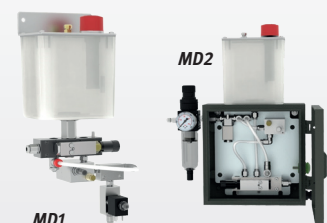
Technical data		MKS 315V	MKS 316V	MKS 350V	MKS 315 VH	MKS 350 VH
Art. no.		3622315	3622316	3622350	3623315	3623350
Rotational speeds	min ⁻¹	33 – 66	17 – 34	36 – 72	33 – 66	36 – 72
Spanning width of vice	mm	160		185	160	185
Saw blade Ø	mm	315		370	315	370
Inlet height incl. substructure	mm	910		905	910	905
Motor power	kW	1.3 – 1.8	1.3 – 1.9	1.9 – 2.5	1.3 – 1.8	1.9 – 2.5
Electrical connection ~50 Hz	V	400		400	400	400
Dimensions (L x W x H) ca.	mm	1500x650x1700		1050x1000x1850	1500 x 800 x 1620	2680 x 1170 x 1870
Weight approx.	kg	270		450	300	480

Micro dosing devices

- ▶ Simple installation
- ▶ Precise lubrication directly at the contact point

Accessory	Art. no.
MD1	3608001
MD2	3608002
Mounting micro-metering unit	9002000

- ▶ Microvolumetric pumps convey the smallest quantities
- ▶ Increased tool life and productivity
- ▶ Lower lubricant consumption, no disposal time
- ▶ Clean working environment, less friction
- ▶ MD2: With filter pressure regulator for precise air pressure adjustment



MD1

MD2



MKS 315V

MKS 315 VH

Chip removal device "Chipmag"

- ▶ Art no. 3850015
- ▶ For removing magnetic metal chips
- ▶ For cleaning and collecting magnetic small parts



LMS 400 / LMS 400P Manual light metal circular saws

- ▶ Saw head can be rotated by 45° on both sides
- ▶ Turntable and saw shaft mounted on bearings
- ▶ Stable and robust construction
- ▶ Precise cut
- ▶ Quick-release vices with Teflon clamping jaws
- ▶ Simple and trouble-free operation

LMS 400 - Manual version

- ▶ Two vices
- ▶ Saw head can be tilted by 45° to the left for a mitre cut

LMS 400P - Manual version

- ▶ Two pneumatic vices
- ▶ Saw head can be tilted by 45° to the left for a mitre cut
- ▶ Control handle with safety switch



LMS 400P Set
with optional accessory
universal chassis
(Art. no. 6190300)

RECOMMENDED AS A CHIP EXTRACTOR:

cleancraft flexCAT 378 EOT-PRO

Special vacuum cleaner for extracting cooling lubricants, highly oily liquids and coarse metal chips in large quantities

Technical data	Art. no.
flexCAT 378 EOT-PRO	7003380

Scope of delivery

- Machine base
- Length stop 500 mm
- Operating tool
- Carbide saw blade HM-E Ø 400 x 3.8 x 32 mm Z96

Technical data		LMS 400	LMS 400P
Art no.		3625400	3625402
Rotational speeds	min ⁻¹	3000	3000
Spanning width of vice	mm	180	180
Saw blade Ø	mm	400	400
Inlet height incl. substructure	mm	855	855
Motor power	kW	2.2	2.2
Electrical connection ~50 Hz	V	400	400
Dimensions (L x W x H) approx.	mm	1500 x 1000 x 900	1500 x 1000 x 1600
Weight approx.	kg	160	210

We recommend:

Book **commissioning & professional instruction** by our specialists on site at the same time as your new machine (see METALLKRAFT main catalogue)

Accessory	Art. no.
Carbide saw blade Ø 400 x 4.0 x 32 mm Z96	3654048

Cutting capacity LMS 400 / LMS 400 P

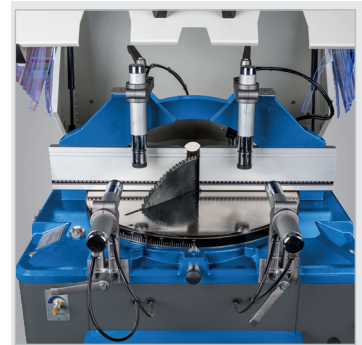
	●	○	□	▭
0°	60	140	110 x 110	100 x 180
45°/45°	60	130	100 x 100	100 x 150

ULMS 420 / ULMS 500 / ULMS 600 Semi-automatic underfloor light metal circular saws

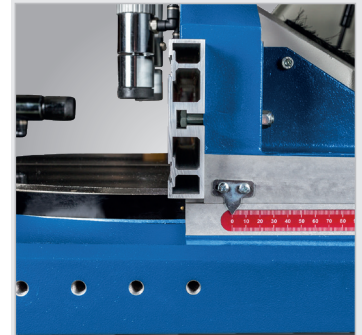
- ▶ For cutting aluminium, light metal alloys, thermosetting plastics and wood
- ▶ Cutting at mitre angle $\pm 45^\circ$
- ▶ Infinitely variable saw blade feed rate
- ▶ Pneumatic vertical and horizontal clamping with 4 clamping vices
- ▶ Starting the sawing process with two-hand control
- ▶ Integrated minimum quantity lubrication
- ▶ High work safety due to sawing process with closed bonnet (equipped with contact switch)
- ▶ Two suction nozzles for connection to an extraction system



*ULMS 600 with accessories
Roller conveyor with length stop and manual measuring system with mm scale*



▶ With four pneumatic clamping cylinders as standard



▶ Infinitely adjustable stop



▶ Stepless adjustment of the mitre angle



Note
If required, you can find corresponding sectional diagrams at www.metalkraft-machines.com!

Scope of delivery	
• 2 x saw blades:	
420 x 30 x 4 mm Z120 (ULMS 420)	
500 x 30 x 4 mm Z120 (ULMS 500)	
600 x 32 x 4 mm Z140 (ULMS 600)	
• Operating tool	
• Coolant tank	
• Compressed air gun and spiral hose	

Technical data		ULMS 420	ULMS 500	ULMS 600
Art no.		3627420	3627500	3627600
Rotational speeds	min ⁻¹	2900	2347	2193
Saw blade \varnothing	mm	420	500	600
Cutting angle	°	-67,5 / -45 / -30 / -22,5 / -15 / 0 / 15 / 22,5 / 30 / 45 / 67,5		
Pneumatic operating pressure	bar	6 – 8	6 – 8	6 – 8
Air requirement	l/min.	38	38	58
Working height	mm	900–920	900–920	1015–1030
Suction nozzle diameter	mm	2 x 100	2 x 100	2 x 100
Motor power ~50 Hz	kW	3.0 / 400	3.0 / 400	3.0 / 400
Dimensions (L x W x H) approx.	mm	795 x 1080 x 1325	855 x 1135 x 1360	945 x 1230 x 1675
Weight approx.	kg	213	229	331
Standards		DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A		

Cutting capacity ULMS 420

0°	120 x 120
$45^\circ / 45^\circ$	100 x 100

Cutting capacity ULMS 500

0°	155 x 155
$45^\circ / 45^\circ$	130 x 130

Cutting capacity ULMS 600

0°	195 x 195
$45^\circ / 45^\circ$	180 x 180

- ▶ Roller conveyor with length stop and manual measuring system with mm scale
- ▶ Load capacity 180 kg

ULMS 420 & 500	Art. no.
3 m roller conveyor	3628003
6 m roller conveyor	3628006
ULMS 600	Art. no.
3 m roller conveyor	3628009

Saw blade	Art. no.
420 x 30 x 4mm Z96	3628041
500 x 30 x 4mm Z120	3628050
600 x 32 x 4mm Z140	3628055

Series MRB Standard - roller and measuring track system in sturdy design with 300 kg/m load capacity

- ▶ Sturdy U-shaped closed construction made of 3 mm sheet steel profile
- ▶ Galvanised steel support rollers
- ▶ All roller conveyors in the MRB Standard series also available with plastic rollers (see plastic rollers next page below)
- ▶ Support rollers with ball bearings

- ▶ The maximum measuring length is the track length minus the stop length

MRB Standard A: 450 mm
MRB Standard BKF: 400 mm
MRB Standard B, EP: 260 mm

Technical data		
Roller diameter	mm	60
Shaft diameter	mm	15
Usable roll width	mm	250 / 350
Load capacity per metre	kg/m	300
Height-adjustable feet	mm	+/- 60
Working height	mm	880
Roller conveyor feet		for 1 and 2 m - 2 pieces for 3 and 4 m - 3 pieces for 5 m - 4 pieces for 6 and 7 m - 5 pieces for 8 m - 6 pieces (1 piece = 1 pair)

MRB Standard C

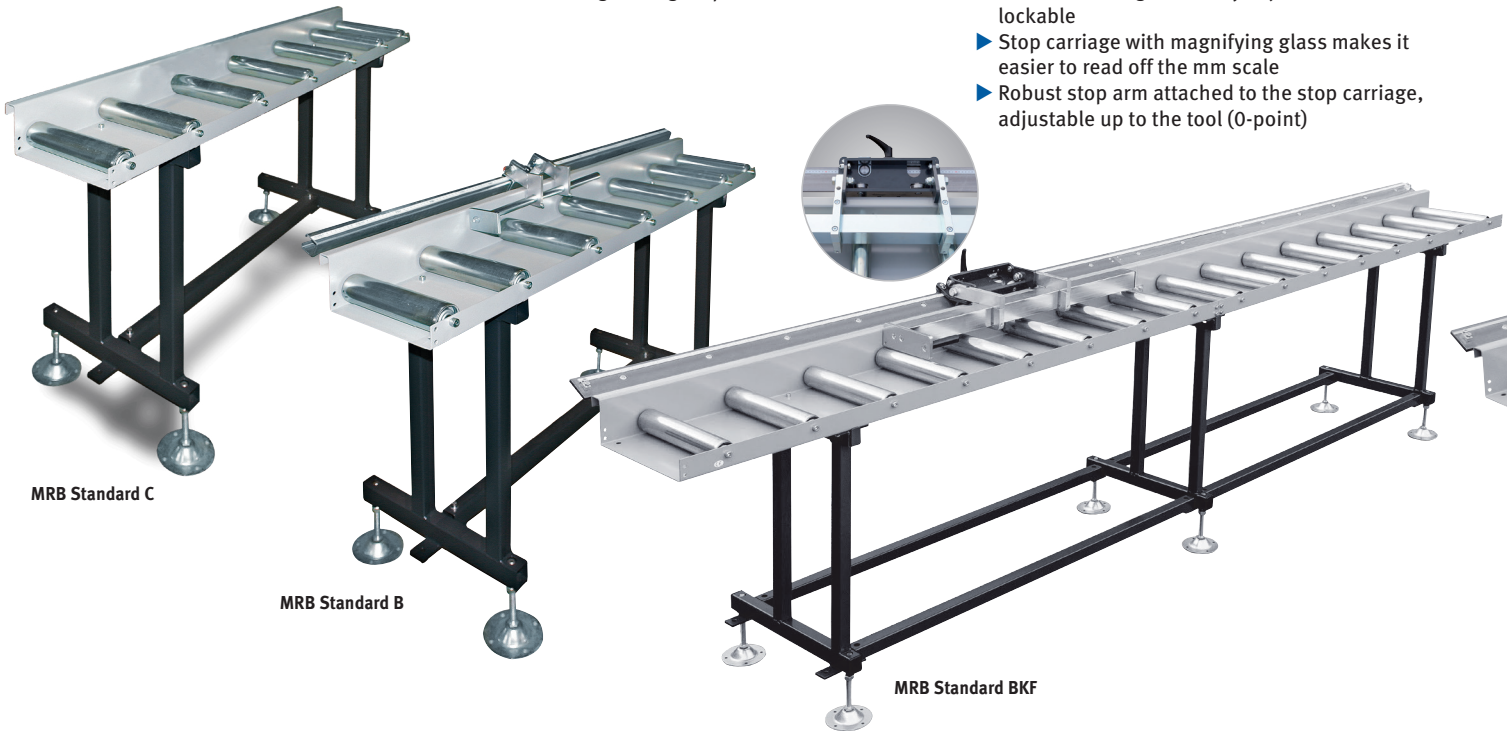
- ▶ Infeed/outfeed roller conveyor
- ▶ Roller conveyor without scale and stop with lateral guide

MRB Standard B

- ▶ With length measuring device
- ▶ Roller and measuring track with mm scale, manual measuring system with guide profile and sliding folding stop

MRB Standard BKF

- ▶ Precision flat steel guide attached to the rear of the roller conveyor
- ▶ Sturdy material stop trolley with 6 ball bearings, smooth-running, manually adjustable and lockable
- ▶ Stop carriage with magnifying glass makes it easier to read off the mm scale
- ▶ Robust stop arm attached to the stop carriage, adjustable up to the tool (0-point)



MRB Standard C - web width 300 mm (usable roll width 250 mm)

Length	Art. no.	TPZDF ¹⁾	ZUEM ¹⁾	TVP ¹⁾
1 m	3661311			TVP 4
2 m	3661312			TVP 4
3 m	3661313		ZUEM	TVP 5
4 m	3661314		ZUEM	TVP 5
5 m	3661315		ZUEM	TVP 5
6 m	3661316	TPZDF2		TVP 5
7 m	3661317	TPZDF2		TVP 5
8 m	3661318	TPZDF2		TVP 5

MRB Standard B - web width 300 mm (usable roll width 250 mm)

Length	Art. no.	TPZDF ¹⁾	ZUEM ¹⁾	TVP ¹⁾
1 m	3661211			TVP 4
2 m	3661212			TVP 4
3 m	3661213		ZUEM	TVP 5
4 m	3661214		ZUEM	TVP 5
5 m	3661215		ZUEM	TVP 5
6 m	3661216	TPZDF2		TVP 5
7 m	3661217	TPZDF2		TVP 5
8 m	3661218	TPZDF2		TVP 5

MRB Standard BKF - web width 300 mm (usable roll width 250 mm)

Length	Art. no.	TPZDF ¹⁾	ZUEM ¹⁾	TVP ¹⁾
1 m	3661231			TVP 4
2 m	3661232			TVP 4
3 m	3661233		ZUEM	TVP 5
4 m	3661234		ZUEM	TVP 5
5 m	3661235		ZUEM	TVP 5
6 m	3661236	TPZDF2		TVP 5
7 m	3661237	TPZDF2		TVP 5
8 m	3661238	TPZDF2		TVP 5

MRB Standard C - web width 400 mm (usable roll width 350 mm)

Length	Art. no.	TPZDF ¹⁾	ZUEM ¹⁾	TVP ¹⁾
1 m	3661321			TVP 4
2 m	3661322			TVP 4
3 m	3661323		ZUEM	TVP 5
4 m	3661324		ZUEM	TVP 5
5 m	3661325		ZUEM	TVP 5
6 m	3661326	TPZDF2		TVP 5
7 m	3661327	TPZDF2		TVP 5
8 m	3661328	TPZDF2		TVP 5

MRB Standard B - web width 400 mm (usable roll width 350 mm)

Length	Art. no.	TPZDF ¹⁾	ZUEM ¹⁾	TVP ¹⁾
1 m	3661221			TVP 4
2 m	3661222			TVP 4
3 m	3661223		ZUEM	TVP 5
4 m	3661224		ZUEM	TVP 5
5 m	3661225		ZUEM	TVP 5
6 m	3661226	TPZDF2		TVP 5
7 m	3661227	TPZDF2		TVP 5
8 m	3661228	TPZDF2		TVP 5

MRB Standard BKF - web width 400 mm (usable roll width 350 mm)

Length	Art. no.	TPZDF ¹⁾	ZUEM ¹⁾	TVP ¹⁾
1 m	3661241			TVP 4
2 m	3661242			TVP 4
3 m	3661243		ZUEM	TVP 5
4 m	3661244		ZUEM	TVP 5
5 m	3661245		ZUEM	TVP 5
6 m	3661246	TPZDF2		TVP 5
7 m	3661247	TPZDF2		TVP 5
8 m	3661248	TPZDF2		TVP 5

Mounting adapter for Metalkraft metal circular saws

For the MRB Standard series on Metalkraft metal circular saws; the adapter pieces are specially designed for mounting on the right or left of the saws
Please specify the machine type of your saw when ordering



For mounting the MRB standard models (300mm):

Saw type	Mounting pos.	Art. no.
MKS 250 N	right	3671211
MKS 250 N	left	3671111
MKS 315 N	right	3671212
MKS 315 N	left	3671112
MKS 315V	right	3671214
MKS 315V	left	3671114
MKS 316V	right	3671214
MKS 316V	left	3671114
MKS 350V	right	3671215
MKS 350V	left	3671115
LMS 400	right	3671213
LMS 400	left	3671113

For mounting the MRB standard models (400mm):

Saw type	Mounting pos.	Art. no.
MKS 250 N	right	3671221
MKS 250 N	left	3671121
MKS 315 N	right	3671222
MKS 315 N	left	3671122
MKS 315V	right	3671224
MKS 315V	left	3671124
MKS 350V	right	3671225
MKS 350V	left	3671125
LMS 400	right	3671223
LMS 400	left	3671123

When ordering, please specify mounting side and overall height!

Working height up to 1020 mm possible with 1 pair of optional foot plates with spindle M 16 x 250 mm ex works
Art. no. 3679000 (1 piece = 1 pair)

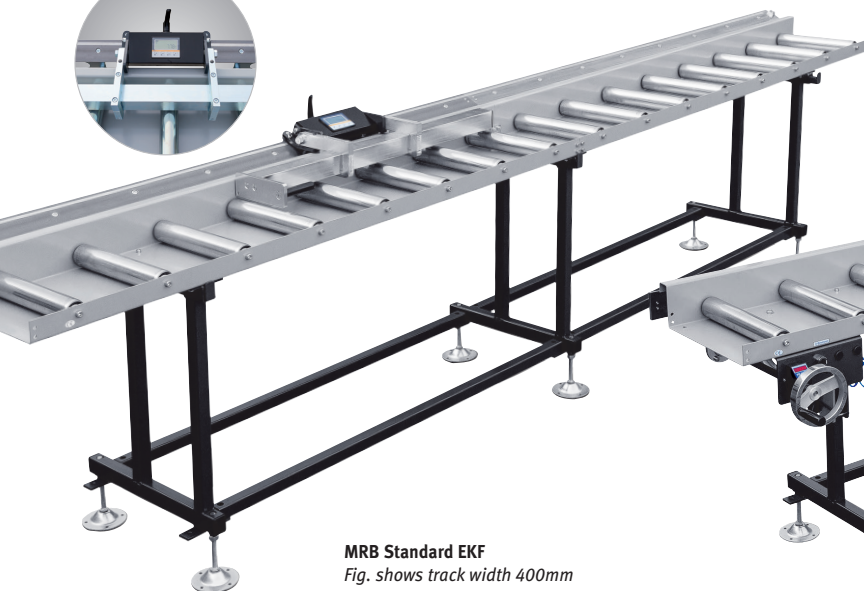
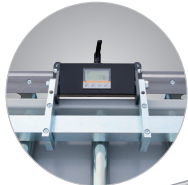
or:
1 pair of roller conveyor feet M16 x 250 mm can be retrofitted for table heights up to 1020 mm
Art. no. 3679005

On request:

- ▶ Working height can be extended to 1020 mm ex works
- ▶ also with 500 mm web width

MRB Standard EKF

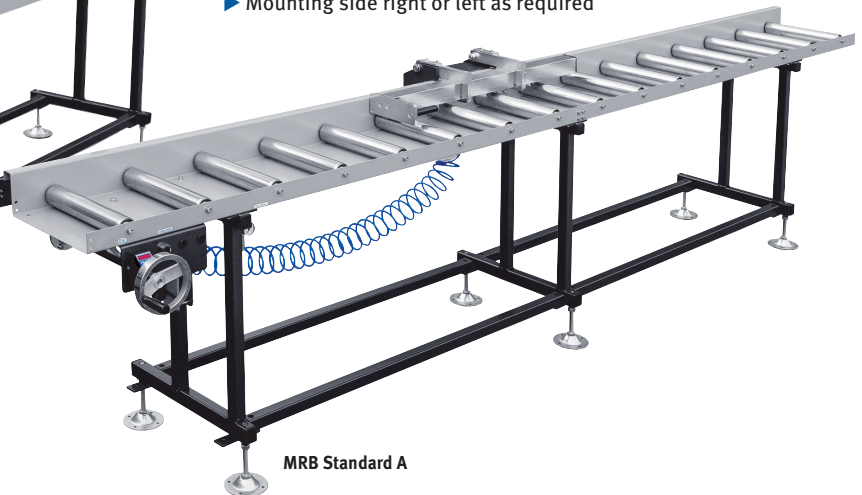
- ▶ Like MRB standard BKF
- ▶ With length measuring device and digital dimension display system
- ▶ Roller and measuring track with battery-operated LCD display and magnetic tape measuring system



MRB Standard EKF
Fig. shows track width 400mm

MRB Standard A

- ▶ Length measuring device with handwheel adjustment
- ▶ Roller and measuring track with LED dimension display (mm) with 230 V power supply unit
- ▶ Measuring stop adjustable by handwheel from the workstation, with pneumatic brake for fixing dimensions
- ▶ Sturdy material stop carriage with 12 ball bearings, can be moved on a large guide profile; the stop arm is adjustable and can be folded upwards
- ▶ A cable drag chain is used for roller conveyors with a track length of more than 5 metres
- ▶ Mounting side right or left as required



MRB Standard A

MRB Standard EKF - web width 300 mm
(usable roll width 250 mm)

Length	Art. no.	TPZDF ¹⁾	ZUEM	TVP ¹⁾
1 m	3661711			TVP 4
2 m	3661712			TVP 4
3 m	3661713		ZUEM	TVP 5
4 m	3661714		ZUEM	TVP 5
5 m	3661715		ZUEM	TVP 5
6 m	3661716	TPZDF2		TVP 5
7 m	3661717	TPZDF2		TVP 5
8 m	3661718	TPZDF2		TVP 5

MRB Standard A - web width 300 mm
(usable roll width 250 mm)

Length	Art. no.	TPZDF ¹⁾	ZUEM ¹⁾	TVP ¹⁾
2 m	3661112			TVP 4
3 m	3661113		ZUEM	TVP 5
4 m	3661114		ZUEM	TVP 5
5 m	3661115		ZUEM	TVP 5
6 m	3661116	TPZDF2		TVP 5
7 m	3661117	TPZDF2		TVP 5
8 m	3661118	TPZDF2		TVP 5

MRB Standard EKF - web width 400 mm
(usable roll width 350 mm)

Length	Art. no.	TPZDF ¹⁾	ZUEM	TVP ¹⁾
1 m	3661721			TVP 4
2 m	3661722			TVP 4
3 m	3661723		ZUEM	TVP 5
4 m	3661724		ZUEM	TVP 5
5 m	3661725		ZUEM	TVP 5
6 m	3661726	TPZDF2		TVP 5
7 m	3661727	TPZDF2		TVP 5
8 m	3661728	TPZDF2		TVP 5

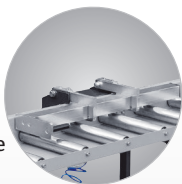
MRB Standard A - web width 400 mm
(usable roll width 350 mm)

Length	Art. no.	TPZDF ¹⁾	ZUEM ¹⁾	TVP ¹⁾
2 m	3661122			TVP 4
3 m	3661123		ZUEM	TVP 5
4 m	3661124		ZUEM	TVP 5
5 m	3661125		ZUEM	TVP 5
6 m	3661126	TPZDF2		TVP 5
7 m	3661127	TPZDF2		TVP 5
8 m	3661128	TPZDF2		TVP 5

- ▶ 5-digit LED dimension display for constant millimetre-precise monitoring of the current position of the stop trolley
- ▶ Position indicator with hollow shaft encoder mounted directly on the drive shaft
- ▶ Measurement accuracy/m: ± 0.5 mm



- ▶ 900 mm long stop arm
- ▶ Stop plate adjustable up to the zero point and can be folded back manually
- ▶ Multiple ball bearings, therefore backlash-free



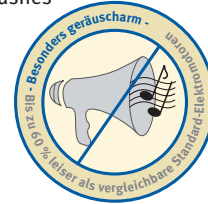
Option	Art. no.
Foot plate with spindle M 16 x 250 mm for height adjustment up to 1020 mm	3679000

Plastic rolls (surcharge per metre)	Art. no.
for MR standard roller conveyor with track width 300 mm	3669991
for MR standard roller conveyor with track width 400 mm	3669992

MBS series - Manual band saws for use on construction sites or assembly sites

- ▶ Ideal for sawing steel, aluminium, copper, PVC and plastic rolls
- ▶ Stepless, electronic speed control from 30-80 m/min.
- ▶ Up to 60% quieter than comparable band saws
- ▶ Low vibration and wear thanks to a special gearbox with two hardened steel gears

- ▶ DC motor with low speed and carbon brushes for up to 10x longer service life
- ▶ Electronic temperature and ampere consumption monitoring against overload
- ▶ Solid saw bow made of die-cast aluminium and with sturdy transport lock



MBS 150 on machine base frame
MUG 1 Stable, space-saving, foldable, easily transportable



MBS 150 on universal workbench
UWT 3200 infinitely extendable support arms on both sides up to 2400 mm, load capacity up to 225 kg



MBS 155 K
With substructure, coolant device, coolant guide plate and 60% duty cycle as standard



- ▶ Cast iron band wheels with ground running surface without rubber pads, therefore suitable for dry and wet cutting (saw band does not slip)
- ▶ Saw band tensioning at front, adjustable via handwheel



- ▶ Dual adjustable saw band guides instead of just one
- ▶ Chip scraper made of metal instead of felt, therefore no wear and tear



- ▶ Adjustable saw arm from MBS 125
- ▶ Guaranteed cutting accuracy of max. 0.3 mm gradient over 100 mm cutting length
- ▶ Each machine individually tested for precision in Italy

Standard scope of delivery

- Material stop
- Bi-metal band saw blade (M 42 tooth pitch 6 - 10)

Scope of delivery set

- Standard scope of delivery and additionally
- UWT 3200 / MUG1

Technical data	MBS 105 + MUG 1	MBS 125 + UWT 3200	MBS 150 + UWT 3200
Art no.	3630105SET	3630125SET	3630150SET

Technical data		MBS 105	MBS 125	MBS 150	MBS 155 K
Art no.		3630105	3630125	3630150	3630152
Saw band speed	m/min.	30 - 80	30 - 80	30 - 80	30 - 80
Saw blade dimensions	mm	1335 x 13 x 0.65	1440 x 13 x 0.65	1735 x 13 x 0.9	1735 x 13 x 0.9
Motor power ~50 Hz	kW/V	1.0 / 230	1.0 / 230	2.0 / 230	2.0 / 230
Dimensions (L x W x H) approx.	mm	630 x 300 x 410	700 x 350 x 410	875 x 420 x 465	1010 x 420 x 1335
Weight approx.	kg	20.5	23.5	35	91

Clamping range

	MBS 105				MBS 125				MBS 150				MBS 155 K			
	○	□	▭	▮	○	□	▭	▮	○	□	▭	▮	○	□	▭	▮
90°	105	73.5	110x60	100x105	125	87.5	125x120	120x125	150	105	140x150	150x130	150	105	140x150	160x85
45°	70	49	65x75	70x50	80	56	70x110	70x110	100	70	120x90	90x130	95	66.5	90x105	75x130
60°	-	-	-	-	45	31.5	40x70	40x70	55	38.5	55x70	55x70	60	42	60x65	65x60

Saw bands MBS 105	Teeth	Art. no.
Bi-metal 1335 x 13 x 0.65 mm M 42	Z 6-10	3650011
Bi-metal 1335 x 13 x 0.65 mm M 42	Z 10-14	3650012

Saw bands MBS 125	Teeth	Art. no.
Bi-metal 1440 x 13 x 0.65 mm M 42	Z 6-10	3650014
Bi-metal 1440 x 13 x 0.65 mm M 42	Z 10-14	3650015

Saw bands MBS 150/MBS 155 K	Teeth	Art. no.
Bi-metal 1735 x 13 x 0.9 mm M 42	Z 6-10	3650017
Bi-metal 1735 x 13 x 0.9 mm M 42	Z 10-14	3650018

Saw band sets	Art. no.
for MBS 105 (bi-metal, 1335 x 13 x 0.65 mm, 1 piece each: Z6 < 10°, Z6-10, Z10-14)	3650020
for MBS 125 (bi-metal 1440 x 13 x 0.65 mm, 1 piece each: Z6 < 10°, Z6-10, Z10-14)	3650021
for MBS 150/155K (bi-metal 1735 x 13 x 0.9 mm, 1 piece each Z6 < 10°, Z6-10, Z10-14)	3650022

Accessory	Art. no.
Cutting oil spray	3872100

BMBS 220 H-G – Hydraulic swivel frame band saw for mitre cuts up to +60°

Manual

- ▶ For sawing materials such as stainless steel, tool steel, hollow profiles and solid materials
- ▶ Two-pole drive motor enables saw blade speeds of 30 and 65 m/min.
- ▶ Electromechanical monitoring of the saw blade tension via microswitch
- ▶ When the saw arm is raised, the lowering cylinder locks itself in the upper position via the solenoid valve - no additional shut-off on the cylinder is therefore required
- ▶ Saw arm inclined by 25°, resulting in longer service life of the saw band
- ▶ Precise and robust belt guides with adjustable carbide plates
- ▶ After completion of the cutting process, the saw band automatically stops in the lower end position.
- ▶ Lowering of the saw arm by gravity or manually
- ▶ With infinitely adjustable, constant saw arm lowering speed via hydraulic cylinder

Scope of delivery

- Saw band
- Coolant pump
- Operating tool
- Adjustable stop



5x saw band
2450x27x0.9mm 4-6 TPI
M42 X-FIT
Art no. 3655801

Starter set
BMBS 220 x 250 H-G
Art no. 3657000

Scope of delivery 220 X 250 Starter set

2 x Saw band
2,450 x 27 x 0.9mm 5-8 tpi

2 x Saw band
2,450 x 27 x 0.9mm 4-6 tpi

1 x Saw band
2,450 x 27 x 0.9mm 3-4 tpi

Technical data		BMBS 220 H-G
Art no.		3681220
Saw band speeds	m/min.	40 / 80
Speed levels		2
Saw band dimensions	mm	2450 x 27 x 0.9
Material feed table height	mm	925
Motor power ~50 Hz	kW/V	0.75 / 1.1
Dimensions (L x W x H) approx.	mm	1300 x 700 x 1530
Weight approx.	kg	218

Clamping range

mm	0°	45°	60°	
	220	160	100	–
	120	85	100	–
	250 x 190	160 x 110	90 x 90	–

BMBS 230 x 280 H-DG – Manual swivel frame metal band saw for mitre cuts from -45° to 60°

Manual

- ▶ **The kerf in the turntable is also swivelled**
- ▶ For sawing e.g. profiles and solid materials made of steel, stainless steel, tool steel, non-ferrous metals and plastic
- ▶ Robust belt guides with adjustable carbide plates for a precise cut
- ▶ Electromechanical monitoring of the saw blade tension via microswitch
- ▶ Mitre adjustment from -45° to +60° can be easily adjusted from the front for better handling, especially when the roller conveyor is attached
- ▶ Cooling system on the saw blade guides
- ▶ Chip clearing brush for optimum cleaning of the saw blade
- ▶ When the saw arm is raised, the lowering cylinder locks automatically in the upper position - no additional locking on the cylinder is required
- ▶ Saw arm inclined by 25°, resulting in longer service life of the saw blade
- ▶ The saw blade stops automatically at the end of the cutting process
- ▶ Saw band guides with integrated cooling system

Scope of delivery

- Saw band
- Adjustable length stop
- Operating tool

Technical data		BMBS 230x280 H-DG
Art no.		3680013
Saw band speeds	m/min.	35 / 70
Speed levels		2
Saw band dimensions	mm	2720 x 27 x 0.9
Material feed table height	mm	787
Remnant workpiece length min.	mm	22
Motor power ~50 Hz	kW/V	0.9 / 1.4 / 400
Dimensions (L x W x H) approx.	mm	1610 x 890 x 1950
Weight approx.	kg	320



5x saw band
2720x27x0.9mm 4-6 TPI
M42 X-FIT
Art no. 3655806

Starter set
BMBS 230 x 280
Art no. 3657001

Scope of delivery 230 X 280 Starter set

2 x Saw band
2,720 x 27 x 0.9mm 5-8 tpi

2 x Saw band
2,720 x 27 x 0.9mm 4-6 tpi

1 x Saw band
2,720 x 27 x 0.9mm 3-4 tpi

Clamping range

mm	45°	0°	45°	60°	
	185	230	190	120	X
	110 ²⁾	150 ²⁾	110 ²⁾	80 ²⁾	X
	180 x 120	280 x 220	180 x 170	120 x 90	280 x 120

2) recommended values

BMBS 230 x 280 HA-DG – Semi-automatic swivel frame metal band saw for mitre cuts from -45° to 60° with semi-automatic function



Quality
Made in
Europe

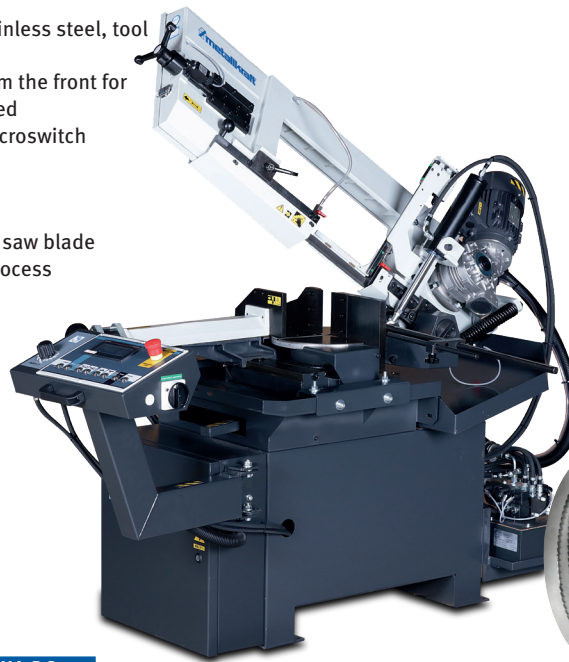
Semi-automatic

- ▶ The kerf in the turntable is also swivelled
- ▶ For sawing e.g. profiles and solid materials made of steel, stainless steel, tool steel, non-ferrous metals and plastic
- ▶ Mitre adjustment from -45° to +60° can be easily adjusted from the front for better handling, especially when the roller conveyor is attached
- ▶ Electromechanical monitoring of the saw blade tension via microswitch
- ▶ Saw band guides with integrated cooling system
- ▶ Chip clearing brush for optimum cleaning of the saw blade
- ▶ Infinitely variable belt speed via frequency inverter
- ▶ Saw arm inclined by 25°, resulting in longer service life of the saw blade
- ▶ The saw blade stops automatically at the end of the cutting process
- ▶ After starting the cutting cycle, the vice clamps automatically. The control menu can be used to select whether the vice remains automatically open or closed at the end of the cut
- ▶ Cutting probe on linear guide
- ▶ BRP - Motor load monitoring
- ▶ with swivelling control panel

Scope of delivery

- Saw band
- Adjustable length stop 1 metre
- Operating tool

Technical data		BMBS 230 x 280 HA-DG
Art no.		3690026
Saw band speeds	m/min.	20 - 100
Speed levels		Continuously variable
Saw band dimensions	mm	2720 x 27 x 0.9
Table height Material feed	mm	795
Remnant workpiece length min.	mm	22
Motor power ~50 Hz	kW/V	1.5 / 400
Dimensions (L x W x H) approx.	mm	1860 x 1050 x 1890
Weight approx.	kg	420



5 x Saw band
2720 x 27 x 0.9mm 4-6 tpi
M42 X-FIT

Art no. 3655806

Starter set
BMBS 230 x 280
Art no. 3657001

Scope of delivery 230 X 280 Starter set

2 x Saw band
2,720 x 27 x 0.9mm 5-8 tpi

2 x Saw band
2,720 x 27 x 0.9mm 4-6 tpi

1 x Saw band
2,720 x 27 x 0.9mm 3-4 tpi

Clamping range

mm	45°	0°	45°	60°	
	185	230	190	120	X
	110	150	110	80	X
	180 x 120	280 x 220	180 x 170	120 x 90	280 x 120

BMBS 230 x 280 CNC-G – Fully automatic swivel frame metal band saw for mitre cuts up to +60° to the right



Quality
Made in
Europe

Automatic

- ▶ Precise and robust band guides with adjustable carbide plates for a precise cut
- ▶ Hydraulically controlled system for both vices and the up and down movement of the saw arm
- ▶ Saw arm inclined by 25°, resulting in longer service life of the saw band
- ▶ BRP - Motor load monitoring
- ▶ Saw band guides with integrated cooling system
- ▶ The two vices are equipped with long-stroke long-stroke hydraulic cylinders as standard, which eliminates the need to pre-set the material cross-section to be sawn
- ▶ Digital angle indicator
- ▶ with swivelling control panel
- ▶ Material feed via hydraulic cylinders
- ▶ Coolant pump
- ▶ Cutting probe on linear guide

Scope of delivery

- Saw band
- Operating tool

Technical data		BMBS 230 x 280 CNC-G
Art no.		3690053
Saw band speeds	m/min.	20 - 100
Speed levels		Continuously variable
Saw band dimensions	mm	2720 x 27 x 0.9
Table height Material feed	mm	800
Remnant workpiece length min.	mm	120 + 20
Motor power ~50 Hz	kW/V	1.5 / 400
Dimensions (L x W x H) approx.	mm	2305 x 2260 x 1780
Weight approx.	kg	780



Starter set
BMBS 230 x 280
Art no. 3657001

Scope of delivery 230 x 280 Starter set

2 x Saw band
2720 x 27 x 0.9mm 5-8 tpi

2 x Saw band
2720 x 27 x 0.9mm 4-6 tpi

1 x Saw band
2720 x 27 x 0.9mm 3-4 tpi

Clamping range

mm	0°	45°	60°	
	230	180	110	X
	230	180	110	X
	280 x 200	180 x 170	100 x 70	280 x 120

BMBS 260x280 H-DG – Manual swivel frame metal band saw for mitre cuts from -45° to 60°

- ▶ For sawing profiles and solid materials made of steel, stainless steel, tool steel, non-ferrous metals and plastic
- ▶ Mitre adjustment from -45° to +60° can be easily adjusted from the front for better handling, especially when the roller conveyor is attached
- ▶ Robust belt guides with adjustable carbide plates for a precise cut
- ▶ Saw band guides with integrated cooling system
- ▶ Electromechanical monitoring of the saw blade tension via microswitch
- ▶ With chip clearing brush for optimum cleaning of the saw blade
- ▶ When the saw arm is raised, the lowering cylinder locks automatically in the upper end position - no additional locking on the cylinder is required
- ▶ Saw arm inclined by 25°, resulting in longer service life of the saw blade
- ▶ The saw blade stops automatically at the end of the cutting process
- ▶ Lowering of the saw arm by its own weight, infinitely adjustable via hydraulic valve
- ▶ Turntable with swivelling cutting gap prevents cutting into the saw table
- ▶ Ergonomic operating concept
- ▶ Vice with quick-clamping device

Scope of delivery

- Saw band
- Adjustable length stop
- Operating tool

Technical data		BMBS 260x280 H-DG
Art no.		3680014
Saw band speeds	m/min.	35 / 70
Speed levels		2
Saw band dimensions	mm	2970 x 27 x 0.9
Table height Material feed	mm	787
Motor power ~50 Hz	kW/V	0.9/1.4 / 400
Dimensions (L x W x H) approx.	mm	1750 x 890 x 1950
Weight approx.	kg	320



Clamping range

mm	45°	0°	45°	60°	
	195	255	215	126	X
	110	150	110	80	X
	280 x 120	280 x 250	200 x 210	135 x 110	280 x 120

BMBS 260x280 HA-DG – Semi-automatic swivel frame metal band saw for sawing hollow profiles and solid materials made of steel, stainless steel, tool steel, non-ferrous metals and plastic

- ▶ Mitre adjustment from -45° to +60° can be easily adjusted from the front for better handling, especially when the roller conveyor is attached
- ▶ Robust belt guides with adjustable carbide plates for a precise cut
- ▶ Saw band guides with integrated cooling system
- ▶ Electromechanical monitoring of the saw blade tension via microswitch
- ▶ With chip clearing brush for optimum cleaning and maintenance of the saw blade
- ▶ Saw arm inclined by 25°, resulting in longer service life of the saw blade
- ▶ Once the cutting process is complete, the band saw blade stops automatically
- ▶ Hydraulically controlled lowering pressure of the saw arm
- ▶ Turntable with swivelling cutting gap prevents cutting into the saw table
- ▶ Ergonomic operating concept
- ▶ Vice with quick-clamping device

Scope of delivery

- Saw band
- Adjustable length stop 1 metre
- Operating tool

Technical data		BMBS 260x280 HA-DG
Art no.		3690027
Saw band speeds	m/min	20 – 100
Saw band dimensions	mm	2970 x 27
Material feed table height	mm	795
Motor power ~50 Hz	kW/V	1.5 / 400
Dimensions (L x W x H) approx.	mm	1900 x 1050 x 1850
Weight approx.	kg	1050



Semi-automatic



Clamping range

mm	45°	0°	45°	60°	
	215	255	195	126	X
	110	150	110	80	X
	200 x 210	280 x 250	280 x 120	135 x 110	280 x 120

BMBS 300 x 320 H-DG – Manual swivel frame metal band saw for mitre cuts from -45° to 60°

- ▶ For sawing e.g. profiles and solid materials made of steel, stainless steel, tool steel, non-ferrous metals and plastic
- ▶ Electromechanical monitoring of the saw blade tension via microswitch
- ▶ Saw arm inclined by 25°, resulting in longer service life of the saw blade
- ▶ Robust three-phase motor
- ▶ Bearing-mounted turntable
- ▶ Saw band drive with low-maintenance, oil-lubricated worm gearbox
- ▶ Motor equipped with overload protection
- ▶ Chip clearing brush for optimum cleaning of the saw blade
- ▶ Saw band tension monitoring
- ▶ Wired remote control for starting the machine and lowering the saw bow
- ▶ Coolant pump
- ▶ Vice with quick-clamping device
- ▶ Saw band guides with integrated cooling system



5 x Saw band
3,660 x 27 x 0.9mm 4-6 tpi
M42 X-FIT
Art no. 3655816

Starter set
BMBS 300 x 320
Art no. 3657002

Scope of delivery 300x320 starter set

2 x Saw band
3,660 x 27 x 0.9mm 5-8 tpi

2 x Saw band
3,660 x 27 x 0.9mm 4-6 tpi

1 x Saw band
3,660 x 27 x 0.9mm 3-4 tpi

Scope of delivery

- Saw band
- length stop 1 metre
- Operating tool

Technical data		BMBS 300 x 320 H-DG
Art no.		3680012
Saw band speeds	m/min	35/70
Speed levels		2
Saw band dimensions	mm	3660 x 27 x 0.9
Table height Material feed	mm	800
Motor power ~50 Hz	kW/V	1.3 / 1.8 / 400
Dimensions (L x W x H) approx.	mm	2050 x 1170 x 2040
Weight approx.	kg	605

Clamping range

mm	45°	0°	45°	60°	
	270	300	300	200	X
	110 ²⁾	180 ²⁾	110 ²⁾	80 ²⁾	X
	270 x 200	320 x 290	300 x 280	190 x 200	320 x 160

BMBS 300 x 320 HA-DG – Semi-automatic swivel frame metal band saw for mitre cuts from -45° to 60°

- ▶ For sawing e.g. profiles and solid materials made of steel, stainless steel, tool steel, non-ferrous metals and plastic
- ▶ Hydraulically controlled sawing functions
- ▶ Saw arm inclined by 25°, resulting in longer service life of the saw blade
- ▶ Saw band drive with low-maintenance, oil-lubricated worm gearbox
- ▶ Three-phase motor with overload protection
- ▶ Chip clearing brush for optimum cleaning of the saw blade
- ▶ BRP - Motor load monitoring
- ▶ Infinitely variable belt speed
- ▶ Hydraulic vice with manual quick clamping
- ▶ Carbide band saw blade guides
- ▶ Cutting probe on linear guide
- ▶ Swivelling control panel
- ▶ Coolant pump
- ▶ Saw band guides with integrated cooling system



Semi-automatic

Info & Video



5x saw band
3660x27x0.9mm 4-6 TPI
M42 X-FIT
Art no. 3655816

Starter set
BMBS 300 x 320
Art no. 3657002

Scope of delivery 300x320 starter set

2 x Saw band
3,660 x 27 x 0.9mm 5-8 tpi

2 x Saw band
3,660 x 27 x 0.9mm 4-6 tpi

1 x Saw band
3,660 x 27 x 0.9mm 3-4 tpi

Scope of delivery

- Saw band
- length stop 1 metre
- Operating tool

Technical data		BMBS 300 x 320 HA-DG
Art no.		3690041
Saw band speeds	m/min.	20 - 100
Speed levels		Continuously variable
Saw band dimensions	mm	3660 x 27 x 0.9
Table height Material feed	mm	800
Motor power ~50 Hz	kW/V	2.4 / 400
Dimensions (L x W x H) approx.	mm	2050 x 1170 x 2040
Weight approx.	kg	650

Clamping range

mm	45°	0°	45°	60°	
	270	300	300	200	X
	270	300	300	200	X
	270 x 200	320 x 290	300 x 280	190 x 200	320 x 160

BMBS 300 x 320 CNC-G - Fully automatic, CNC-controlled tilting frame metal band saw for mitre cuts up to +60°



Quality
Made in
Europe

Automatic

- ▶ Hydraulically controlled system for both vices and the up and down movement of the saw arm
- ▶ Precise material feed via ball screw
- ▶ With frequency converter as standard for infinitely variable adjustment of the saw blade speed from 20 - 100 m/min.
- ▶ BRP - Motor load monitoring
- ▶ Robust belt guides with adjustable carbide plates for a precise cut
- ▶ Digital angle display
- ▶ Chip clearing brush for optimum cleaning of the saw blade
- ▶ The jaws of the two vices are equipped with long-stroke hydraulic cylinders as standard, which eliminates the need to pre-set the material cross-section to be sawn
- ▶ Cutting probe on linear guide
- ▶ Coolant pump
- ▶ Saw band guides with integrated cooling system



Scope of delivery

- Saw band
- Operating tool

Technical data

		BMBS 300 x 320 CNC-G
Art no.		3690055
Saw band speeds	m/min.	20-100
Speed levels		Continuously variable
Saw band dimensions	mm	3660 x 27 x 0.9
Table height	mm	800
Material feed	mm	20
Material diameter min.	mm	115 + 20 ²⁾
Motor power ~50 Hz	kW/V	2.4 / 400
Dimensions (L x W x H) approx.	mm	2310 x 1900 x 2030
Weight approx.	kg	904

Starter set
BMBS 300 x 320
Art no. 3657002

Scope of delivery 300x320 starter set

- 2 x Saw band
3,660 x 27 x 0.9mm 5-8 tpi
- 2 x Saw band
3,660 x 27 x 0.9mm 4-6 tpi
- 1 x Saw band
3,660 x 27 x 0.9mm 3-4 tpi

Clamping range

mm	0°	45°	60°	
	300	290	200	X
	300	290	200	X
	320 x 290	260 x 280	190 x 200	320 x 160

BMBS 360 x 500 HA-DG - Fully hydraulic semi-automatic machine with frequency converter for mitre cuts of $\pm 60^\circ$



Quality
Made in
Europe

Semi-automatic

- ▶ For sawing e.g. profiles and solid materials made of steel, stainless steel, tool steel, non-ferrous metals and plastic
- ▶ Saw band drive with low-maintenance, oil-lubricated worm gearbox
- ▶ With robust three-phase motor with overload protection
- ▶ Saw blade guide with adjustable carbide plates for a precise cut
- ▶ Mechanical saw blade tensioning and monitoring via microswitch
- ▶ Saw band guides with integrated cooling system
- ▶ Digital angle display
- ▶ Swivelling control panel
- ▶ Coolant pump

! We are happy to produce sample cuts for your material
Enquire with us

Scope of delivery

- Saw band
- Operating tool

! For a detailed explanation of the controls, see the main catalogue



Starter set
BMBS 360 x 500
Art no. 3657003

Scope of delivery 360 x 500 Starter set

- 1 x Saw band
4,780 x 34 x 1.1mm 2-3 tpi
- 1 x Saw band
4,780 x 34 x 1.1mm 3-4 tpi
- 2 x Saw band
4,780 x 41 x 1.1mm 4-6 tpi
- 1 x Saw band
4,780 x 41 x 1.1mm 5-8 tpi

Technical data		BMBS 360 x 500 HA-DG
Art no.		3690090
Speed levels		Continuously variable
Saw band speeds	m/min.	20 - 100
Material feed table height	mm	812
min. Remaining workpiece length	mm	35
Saw band dimensions	mm	4780 x 34 x 1.1
Motor power ~50 Hz	kW/V	2.0/ 400
Dimensions (L x W x H) approx.	mm	2800 x 1080 x 2340
Weight approx.	kg	740

Clamping ranges

mm	60°	45°	0°	45°	60°	
	300	360	360	360	300	X
	300	360	360	360	300	X
	300 x 200	420 x 300	500 x 350	420 x 260	250 x 280	500 x 220

BMBS 360 x 500 CNC-G

Automatic swivel frame metal band saw for mitre cuts up to +60° to the right



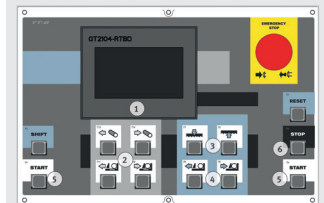
Quality
Made in
Europe

Automatic

- ▶ For sawing e.g. profiles and solid materials made of steel, stainless steel, tool steel, non-ferrous metals and plastic
- ▶ Precise and robust belt guides with adjustable carbide plates
- ▶ Hydraulically controlled system for both vices and the up and down movement of the saw arm
- ▶ Precise material feed via ball screw
- ▶ Chip clearing brush for optimum cleaning of the saw blade
- ▶ BRP - Motor load monitoring
- ▶ Swivelling control panel
- ▶ Mechanical saw blade tensioning and monitoring via microswitch
- ▶ The two vices are equipped with long-stroke long-stroke hydraulic cylinders as standard, which eliminates the need to pre-set the material cross-section to be sawn
- ▶ Coolant pump
- ▶ Saw band guides with integrated cooling system



Swivelling control panel
▶ Facilitates work even when cutting on a tear



1. Large display to show the values selected in the information display and as a control panel
2. Material tension
3. Height adjustment of the saw frame
4. Moving the transport vice
5. To start the cut in semi-automatic mode - for safety reasons, both start buttons must be pressed simultaneously
6. Interrupts the cut in any position - the cycle is continued after pressing the start button

Scope of delivery

- Saw band
- Operating tool

Technical data		BMBS 360 x 500 CNC-G
Art no.		3690092
Saw band speeds	m/min.	20 - 100
Speed levels		Continuously variable
Saw band dimensions	mm	4780 x 34 x 1.1
Remaining workpiece length CNC min.	mm	190
Material feed table height	mm	800
Motor power ~50 Hz	kW/V	3.0/ 400
Dimensions (L x W x H) approx.	mm	2940 x 2600 x 2340
Weight approx.	kg	1500

Starter set
BMBS 360 x 500
Art no. 3657003

Scope of delivery

360 x 500 Starter set

1 x Saw band	4,780 x 34 x 1.1mm 2-3 tpi
1 x Saw band	4,780 x 34 x 1.1mm 3-4 tpi
2 x Saw band	4,780 x 41 x 1.1mm 4-6 tpi
1 x Saw band	4,780 x 41 x 1.1mm 5-8 tpi

Clamping ranges

mm	0°	45°	60°	
	360	360	300	X
	360	360	300	X
	500 x 360	440 x 240	290 x 280	500 x 220

BMBS 460 x 600 HA-DG

Semi-automatic swivel frame metal band saw for mitre cuts of $\pm 60^\circ$ with frequency converter

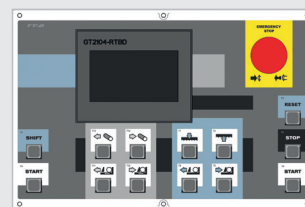


Quality
Made in
Europe

Semi-automatic

- ▶ For sawing e.g. stainless steel, tool steel, profiles and solid materials
- ▶ Saw band drive with low-maintenance, oil-lubricated worm gearbox
- ▶ With robust three-phase motor with overload protection
- ▶ Saw blade guide with adjustable carbide plates
- ▶ With chip clearing brush for optimum cleaning of the saw blade
- ▶ Digital angle display
- ▶ Saw band guides with integrated cooling system
- ▶ The vice can be moved over the entire clamping range

- ▶ BRP - Motor load monitoring
- ▶ With STOP function - sawing process can be interrupted at any time by pressing the stop button. The belt continues to run while the arm moves out of the cutting channel
- ▶ Coolant pump



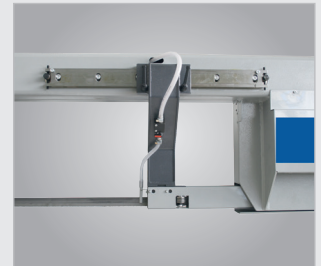
Large digital display with functions such as

- ▶ MENU button to select the various menu items displayed on the screen
- ▶ Workpiece/cut counter
- ▶ BRP display
- ▶ Display of the status of the hydraulic system
- ▶ Display of the tension of the saw blade
- ▶ Display of the position of the saw arm (optional)
- ▶ Display for the saw blade speed



Swivelling control panel

- ▶ Facilitates work even when cutting on a tear (example illustration)



Cooling system

- ▶ directly on the saw blade guides

Scope of delivery

- Saw band
- Operating tool

Technical data		BMBS 460 x 600 HA-DG
Art no.		3690067
Saw band speeds	m/min.	20 - 100
Speed levels		Continuously variable
Saw band dimensions	mm	5380 x 41 x 1.3
Table height Material feed	mm	800
Motor power ~50 Hz	kW/V	4 / 400
Dimensions (L x W x H) approx.	mm	3200 x 1140 x 2660
Weight approx.	kg	1195

Technical data	Art. no.
Starter set	3657004
BMBS 460 x 600	

Scope of delivery	
460 x 600 Starter set	
2 x Saw band	5,380 x 41 x 1.3mm 2-3 tpi
1 x Saw band	5,380 x 41 x 1.3mm 3-4 tpi
2 x Saw band	5,380 x 41 x 1.3mm 4-6 tpi

Clamping range

mm						
	320	460	460	460	320	X
	320	460	460	460	320	X
	320 x 240	470 x 250	600 x 460	470 x 240	330 x 180	600 x 250

HMBS 340 CNC-DG-X

Fully automatic two-column horizontal metal band saw from -45° to $+60^{\circ}$ and material feed with a length of 970 mm

- ▶ Extremely stable and robust construction
- ▶ Saw band drive with low-maintenance, oil-lubricated worm gearbox
- ▶ With SIEMENS Simatic control system and SIEMENS electrics
- ▶ Material and saw feed via ball screws and servomotors
- ▶ With robust three-phase motor
- ▶ Motor equipped with overload protection
- ▶ With frequency converter as standard for infinitely variable adjustment of the saw blade speed
- ▶ Coolant pump
- ▶ Saw blade guide with adjustable carbide plates for a precise cut
- ▶ With screw chip conveyor as standard
- ▶ Fully automatic mitre adjustment on both sides
- ▶ Swivelling control panel
- ▶ Chip clearing brush for optimum cleaning of the saw blade
- ▶ The two vices are equipped with long-stroke long-stroke hydraulic cylinders as standard, which eliminates the need to pre-set the material cross-section to be sawn
- ▶ Automatic material feed of 970 mm
- ▶ Adjustable vice pressure
- ▶ With front light barrier protection as standard
- ▶ With ARP system for automatic mitre cuts
- ▶ ARP system for automatic cutting pressure regulation based on engine load
- ▶ Saw band guides with integrated cooling system

Automatic



Quality
Made in
Europe



Technical data		HMBS 340 CNC-DG-X
Starter set		3691341
Saw band speeds	m/min.	20 - 100
Speed levels		Continuously variable
Saw band dimensions	mm	4780 x 34 x 1.1
Minimum size material	mm	30
Remnant length CNC operation	mm	310
Remnant length during a cut	mm	100
Remaining piece length 30°	mm	310
Remaining piece length 45°	mm	750
Material feed table height	mm	800
Motor power ~50 Hz	kW/V	3.0 / 400
Dimensions (L x W x H) approx.	mm	3030 x 3150 x 2000
Weight approx.	kg	2150

**Convince yourself of our capabilities
and ask for individual advice**

Clamping range

mm	45°	0°	45°	60°	
	350	350	350	230	x
	350	350	350	230	x
	350 x 340	500 x 340	380 x 340	220 x 340	500 x 180

Commissioning & professional instruction

When purchasing a Metalkraft machine, we recommend that our customers have it commissioned and instructed by our specialists on site

Further information see METALLKRAFT catalogue

Commissioning and instruction	Art. no.
of standard machines	EINWMET
Instruction & training in CNC controls	EINWCNCMET

²⁾ DBM, MBBS, FSM, HTBS, MSBM Pro, controlled PRM and MRB, GBP, LMS 400A and metal band saws with X-control

**HMBS 440 HA DG HORIZONT / HMBS 540 HA DG HORIZONT /
HMBS 440 HA X DG HORIZONT / HMBS 540 HA X DG HORIZONT**
Semi-automatic horizontal saws for mitre cuts from -60° to +60°

- ▶ Two-column guided horizontal saw for sawing solid material and profiles
- ▶ Automatic positioning after entering the desired angle
- ▶ Hydraulic clamping of the turntable enables precise angular cutting
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Infinitely variable saw blade speed from 15 - 150 m/min
- ▶ Saw blade drive via bevel gearbox, three-phase motor and frequency converter
- ▶ For straight cuts, tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice via control valve with pressure gauge
- ▶ Saw blade inclination of 7° and hydraulic saw blade tension increase the service life of the saw blade - ideal for sawing profiles
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Chip clearing brush driven via belt roller
- ▶ Emulsion cooling with liquid distribution in the saw blade guides and a flexibly adjustable nozzle
- ▶ Saw band guides with integrated cooling system
- ▶ More powerful motors optionally available



ASK FOR YOUR PERSONALISED OFFER!

Model		HMBS 440 HA DG HORIZONT	HMBS 540 HA DG HORIZONT
Article no.		3692100	3692200
Model		HMBS 440 HA X DG HORIZONT	HMBS 540 HA X DG HORIZONT
Article no.		3692105	3692205
Saw band speeds	m/min.	15 - 150	15 - 150
Speed levels		Continuously variable	Continuously variable
Saw band dimensions	mm	6060 x 34 x 1.1	6880 x 41 x 1.3
Section length min.	mm	25	25
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	25	30
Work table height	mm	810	810
Drive motor power ~50 Hz	kW	4 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	4341 x 1756 x 2225	4696 x 1756 x 2400
Weight approx.	kg	2080	2370/2510



Quality
Made in
Europe

Semi-automatic

HMBS 440 HA DG HORIZONT

HMBS 540 HA DG HORIZONT

- ▶ Mitsubishi FX 5 control unit with simple operation via 7" touchscreen
- ▶ With ARP (automatic cutting feed control)
 - > Automatic saw blade feed depending on the material resistance Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Saw bow feed via hydraulic cylinder

HMBS 440 HA X DG HORIZONTAL

HMBS 540 HA X DG HORIZONTAL

- ▶ Siemens S7-1500 control system with a wide range of functions and operation via a large 7" touch display
- ▶ With ARP (automatic cutting feed control)
 - > Automatic saw blade feed depending on the material resistance Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Saw bow feed via ball screw and servo motor

Convince yourself of our capabilities and ask for individual advice

Recommended clamping range HMBS 440

mm	0°	± 45°	± 60°
	440	430	290
	300	200	150
	610 x 385	430 x 385	290 x 385
	610 x 350	-	-
	610 x 350	-	-

Recommended clamping range HMBS 540

mm	0°	± 45°	± 60°
	540	510	350
	400	280	200
	750 x 490	510 x 490	350 x 490
	750 x 450	-	-
	750 x 450	-	-

The complete equipment can be found in the main catalogue

**HMBS 440 CNC DG 2000 HORIZONTAL /
HMBS 540 CNC DG 2000 HORIZONTAL /
HMBS 440 CNC X DG 2000 HORIZONTAL /
HMBS 540 CNC X DG 2000 HORIZONTAL**

Fully automatic horizontal saws for mitre cuts from -60° to +60°

- ▶ Two-column guided horizontal saw for sawing solid material and profiles
- ▶ With 2000 mm material transporter as standard -> frequency-controlled feed via ball screw
- ▶ Automatic positioning after entering the desired angle
- ▶ Hydraulic clamping of the turntable enables precise angular cutting
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Infinitely variable saw blade speed from 15 - 150 m/min
- ▶ Saw blade drive via bevel gearbox, three-phase motor and frequency converter
- ▶ For straight cuts, tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice via control valve with pressure gauge
- ▶ Saw blade inclination of 7° optimal for sawing profiles
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Chip clearing brush driven via belt roller
- ▶ Emulsion cooling with liquid distribution in the saw blade guides and a flexibly adjustable nozzle
- ▶ Safety light barrier from LEUZE in front of the machine and the material transporter
- ▶ Saw band guides with integrated cooling system
- ▶ More powerful motors optionally available



HMBS 540 CNC X DG 2000 HORIZONTAL

ASK FOR YOUR PERSONALISED OFFER!

Model		HMBS 440 CNC X DG 2000 HORIZONTAL	HMBS 540 CNC DG HORIZONTAL
Article no.		3692110	3692210

Model		HMBS 440 CNC X DG HORIZONTAL	HMBS 540 CNC X DG HORIZONTAL
Article no.		3692115	3692215

Saw band speeds	m/min.	15 - 150	15 - 150
Speed levels		Continuously variable	Continuously variable
Saw band dimensions	mm	6060 x 34 x 1.1	6880 x 41 x 1.3
Material feed max. with 1 x feed	mm	2000	2000
Material feed min. / max.		3 / 9,999	3 / 9,999
Section length min.	mm	25	25
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	25	30
Remaining workpiece length min. auto- matic	mm	498	498
Drive motor power ~50 Hz	kW	4.0 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	4387 x 6013 x 2225	4696 x 6013 x 2400
Work table height	mm	810	810
Weight approx.	kg	3750	3,902 / 3,875

Recommended clamping range HMBS 440CNC

mm	0°	± 45°	± 60°
	440	430	290
	300	200	150
	610 x 385	430 x 385	290 x 385
	610 x 350	-	-
	610 x 350	-	-

Recommended clamping range HMBS 540CNC

mm	0°	± 45°	± 60°
	540	510	350
	400	280	280
	750 x 490	510 x 490	350 x 490
	750 x 450	-	-
	750 x 450	-	-



Quality
Made in
Europe

Automatic

HMBS 440 CNC DG 2000 HORIZONTAL

HMBS 540 CNC DG 2000 HORIZONTAL

- ▶ Mitsubishi FX 5 control unit with simple operation via 7" touchscreen
- ▶ With ARP (automatic cutting feed control)
 - > Automatic saw blade feed depending on the material resistance Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Saw bow feed via hydraulic cylinder

HMBS 440 CNC X DG 2000

HORIZONTAL

HMBS 540 CNC X DG 2000

HORIZONTAL

- ▶ Siemens S7-1500 control system with a wide range of functions and operation via a large 7" touch display
- ▶ With ARP (automatic cutting feed control)
 - > Automatic saw blade feed depending on the material resistance. Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Saw bow feed via ball screw and servo motor

HMBS 340 CNC PP CALIBRE / HMBS 340 CNC CALIBRE

Fully automatic horizontal metal band saw with Mitsubishi control

- ▶ Twocolumn guided band saw for sawing solid bars and bar profiles.
- ▶ Mitsubishi FX 5 control system with simple operation via 7" colour touchscreen
- ▶ Semi-automatic (manual) operating mode - direct cutting with manual positioning or GTO (go to position) - positioning
- ▶ Automatic operating mode - program-controlled feed with up to 100 storable cutting programs
- ▶ Saw blade guidance and clamping: Carbide guides with vibration-damped elements, hydraulic blade tensioning with automatic pressure monitoring
- ▶ Efficient cooling and cleaning: Coolant supply via LocLine system, powered cleaning brush optionally available

HMBS 340 CNC CALIBRE

- ▶ Hydraulically controlled material feed with electromagnetic positioning sensors and optical material detection, hydraulic cutting feed

HMBS 340 CNC PP CALIBER

- ▶ Optimised for series production - higher efficiency suitable for mass production
- ▶ Material feed via recirculating ball screw guarantees uniform cuts, high repeat accuracy and optimised tool utilisation
- ▶ The cutting feed, which consists of a servo motor and hydraulic throttle valves, enables the cutting speed to be adjusted precisely for optimum performance.



Quality
Made in
Europe

Automatic

- ▶ RZP-2 - Zone-based cutting control: When approaching the material (zone 1), the speed can be higher; when penetrating the solid material (zone 3-4), the speed is reduced, increasing the service life of the saw blade and improving the cutting quality
- ▶ ARP - Automatic feed control: automatically adjusts the cutting feed to the material resistance (e.g. hard vs. soft steel), reacts to wear on the saw blade (e.g. blunt teeth) for consistently high cutting quality
- ▶ BIMETALL mode: Optimised for cutting profile materials with bi-metal saw bands
- ▶ CARBIDE mode: suitable for cutting solid materials with carbide saw blades
- ▶ CMU mode: opens the cutting zone on the feed side, enables contact-free return stroke of the saw blade, particularly suitable for carbide saw blades, protects the tool and extends its service life



ASK FOR YOUR PERSONALISED OFFER!

Model		HMBS 340 CNC CALIBRE	HMBS 340 CNC PP CALIBER
Article no.		3693090	3693095
Saw band speeds	m/min.	20 – 100	20 – 100
Saw band dimensions	mm.	4,600 x 34	4,600 x 34
Material feed max. with 1 x feed	mm	510	
Material feed min. / max.		3 / 9999	3 / 9999
Section length min.	mm	15	15
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	20	20
Remaining workpiece length min. automatic	mm	210	210
Drive motor power ~50 Hz	kW	3	4
Dimensions (L x W x H) approx.	mm	3122x1841x1943	3122x1841x1943
Work table height	mm	800	800
Weight approx.	kg	1580	1580

Convince yourself of our capabilities and ask for individual advice

Recommended clamping range

mm	0°	± 45°	± 60°
	340	-	-
	340	-	-
	350 x 340	-	-
	350 x 260	-	-
	-	-	-

HMBS 440 HA CALIBRE / HMBS 540 HA CALIBRE / HMBS 440 HA X CALIBRE / HMBS 540 HA X CALIBRE - Semi-automatic horizontal metal band saws

- ▶ Two-column guided band saw for sawing solid material and profiles
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Infinitely variable saw blade speed from 15 - 150 m/min
- ▶ Saw blade drive via bevel gearbox, three-phase motor and frequency converter
- ▶ Pressure adjustment of the hydraulic vice via control valve with pressure gauge
- ▶ Saw blade inclination of 7° optimal for sawing profiles
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Electrically driven chip clearing brush
- ▶ Emulsion cooling with liquid distribution in the saw blade guides and a flexibly adjustable nozzle
- ▶ Saw band guides with integrated cooling system
- ▶ More powerful motor optionally available



Fig: HMBS 440 CNC X CALIBRE with optional signal light to indicate the status of the machine



Semi-automatic

HMBS 440 HA CALIBER

HMBS 540 HA CALIBER

- ▶ Mitsubishi FX 5 control unit with simple operation via 7" touchscreen
- ▶ With ARP (automatic cutting feed control)
 - > Automatic saw blade feed depending on the material resistance. Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Saw bow feed via hydraulic cylinder

HMBS 440 HA X CALIBRE

HMBS 540 HA X CALIBRE

- ▶ Siemens S7-1500 control system with a wide range of functions and operation via a large 7" touch display
- ▶ With ARP (automatic cutting feed control)
 - > Automatic saw blade feed depending on the material resistance. Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Saw bow feed via ball screw and servo motor

Convince yourself of our capabilities and ask for individual advice

ASK FOR YOUR PERSONALISED OFFER!

Model		HMBS 440 HA CALIBER	HMBS 540 HA CALIBER
Article no.		3693100	3693200
Model		HMBS 440 HA X CALIBRE	HMBS 540 HA X CALIBRE
Article no.		3693105	3693205
Saw band speeds	m/min.	15 - 150	15 - 150
Speed levels		Continuously variable	Continuously variable
Saw band dimensions	mm	5360 x 34 x 1.1	6200 x 41 x 1.3
Section length min.	mm	10	15
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	30	40
Work table height	mm	800	800
Drive motor power ~50 Hz	kW	4.0 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	3875 x 1950 x 2190	4300 x 2030 x 2550
Weight approx.	kg	2410	3325

Clamping ranges HMBS 440

mm		
	440	X
	460 x 400	460 x 400

Clamping ranges HMBS 540

mm		
	550	X
	550 x 500	550 x 460

The complete equipment can be found in the main catalogue

HMBS 440 CNC X CALIBRE / HMBS 540 CNC X CALIBRE
HMBS 440 CNC CALIBER / HMBS 540 CNC CALIBER
Fully automatic horizontal metal band saw



Quality
Made in
Europe

Automatic

- ▶ Two-column guided band saw for sawing solid material and profiles
- ▶ With 700 mm material feed as standard
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Infinitely variable saw blade speed from 15 - 150 m/min
- ▶ Saw blade drive via bevel gearbox, three-phase motor and frequency converter
- ▶ Pressure adjustment of the hydraulic vice via control valve with pressure gauge
- ▶ Saw blade inclination of 7° optimal for sawing profiles
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Electrically driven chip clearing brush
- ▶ Emulsion cooling with liquid distribution in the saw blade guides and a flexibly adjustable nozzle
- ▶ With automatic material feed: frequency-controlled feed via ball screw; optical sensor recognises when no more material is inserted and stops the material feed
- ▶ With chip conveyor and chip container as standard
- ▶ Saw band guides with integrated cooling system
- ▶ More powerful motor optionally available

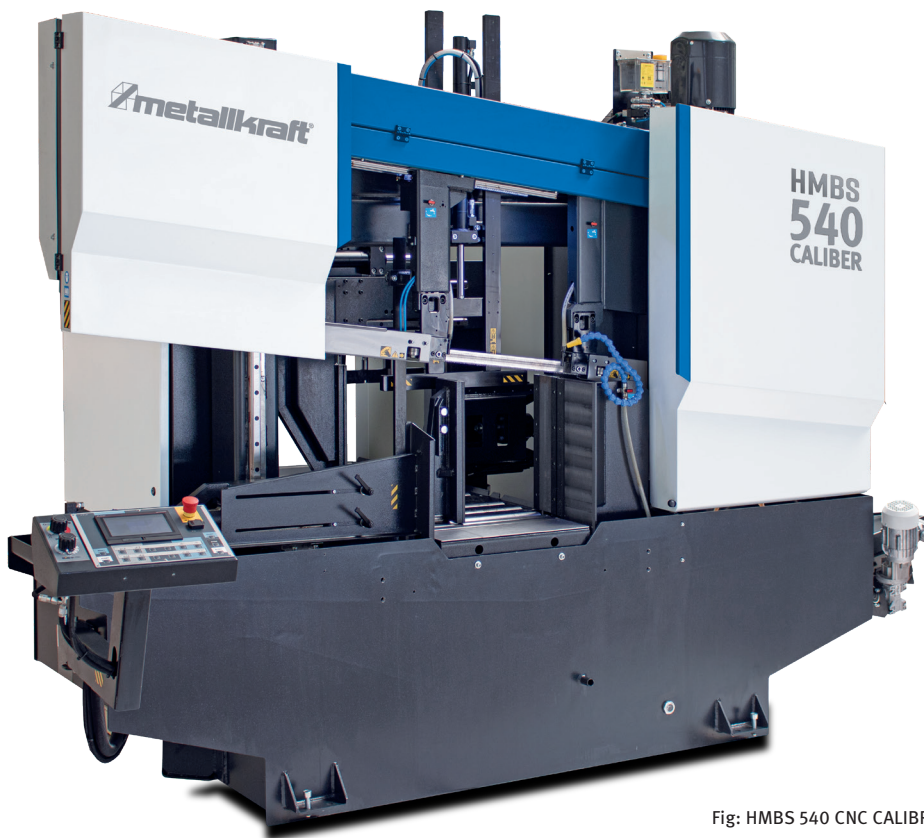


Fig: HMBS 540 CNC CALIBRE

HMBS 440 CNC X CALIBRE

HMBS 540 CNC X CALIBRE

- ▶ Mitsubishi FX 5 control unit with simple operation via 7" touchscreen
- ▶ With ARP (automatic cutting feed control)
 - > Automatic saw blade feed depending on the material resistance. Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Saw bow feed via hydraulic cylinder

HMBS 440 CNC CALIBRE

HMBS 540 CNC CALIBRE

- ▶ Siemens S7-1500 control system with a wide range of functions and operation via a large 7" touch display
- ▶ With ARP (automatic cutting feed control)
 - > Automatic saw blade feed depending on the material resistance. Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Saw bow feed via ball screw and servo motor

Clamping ranges HMBS 440

mm	0°	
	440	X
	460 x 400	460 x 400

Clamping ranges HMBS 540

mm	0°	
	550	X
	550 x 500	550 x 460

ASK FOR YOUR PERSONALISED OFFER!

Technical data		HMBS 440 CNC CALIBER	HMBS 440 CNC X CALIBRE	HMBS 540 CNC CALIBER	HMBS 540 CNC X CALIBRE
Article no.		3693110	3693115	3693210	3693215
Saw band speeds	m/min.	15 - 150	15 - 150	15 - 150	15 - 150
Speed levels		Continuously variable	Continuously variable	Continuously variable	Continuously variable
Saw band dimensions	mm	5360 x 34 x 1.1	5360 x 34 x 1.1	6200 x 41 x 1.3	6200 x 41 x 1.3
Material feed speed	m/min.	5	8.5	5	6
Material feed max. with 1 x feed	mm	715	715	750	750
Material feed max.	mm	9999	19999	9999	19999
Material feed min.	mm	3	3	3	3
Section length min.	mm	10	10	15	15
Material diameter min.	mm	10	10	15	10
Remnant workpiece length min.	mm	30	30	40	40
Remaining workpiece length min. autom.	mm	200	200	250	200
Work table height	mm	800	800	800	800
Drive motor ~50 Hz	kW/V	4 / 400	4 / 400	4 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	3875 x 1950 x 2190	3875 x 1950 x 2190	4300 x 2030 x 2550	4300 x 2030 x 2550
Weight approx.	kg	2785	2865	3945	3790

HMBS 540 CNC 2000 CALIBER / HMBS 540 CNC X 2000 CALIBER

Fully automatic horizontal metal band saw



Quality
Made in
Europe

Automatic

- ▶ Two-column guided band saw for sawing solid material and profiles
- ▶ Saw blade drive via bevel gearbox, three-phase motor and frequency converter
- ▶ Tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice via control valve with pressure gauge
- ▶ Saw blade inclination of 7° optimal for sawing profiles
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Emulsion cooling with liquid distribution in the saw blade guides and a flexibly adjustable nozzle
- ▶ With automatic material feed: frequency-controlled feed via ball screw; optical sensor recognises when no more material is inserted and stops the material feed
- ▶ Saw band guides with integrated cooling system
- ▶ With chip conveyor and chip container as standard

HMBS 540 CNC 2000 CALIBRE

- ▶ Mitsubishi FX 5 control unit with simple operation via 7" touchscreen
- ▶ With ARP (automatic cutting feed control)
 - > Automatic saw blade feed depending on the material resistance Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Saw bow feed via hydraulic cylinder

HMBS 540 CNC X 2000 CALIBRE

- ▶ Siemens S7-1500 control system with a wide range of functions and operation via a large 7" touch display
- ▶ With ARP (automatic cutting feed control)
 - > Automatic saw blade feed depending on the material resistance Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Saw bow feed via ball screw and servo motor



ASK FOR YOUR PERSONALISED OFFER!

Model		HMBS 540 CNC 2000 CALIBRE
Article no.		3693220

Model		HMBS 540 CNC X 2000 CALIBRE
Article no.		3693225

Saw band speeds	m/min.	15 - 150
Speed levels		Continuously variable
Saw band dimensions	mm	6200 x 41 x 1.3
Material feed speed	m/min.	6
Material feed max. with 1 x feed	mm	2000
Material feed max.	mm	19999
Material feed min.	mm	3
Section length min.	mm	15
Material diameter min.	mm	10
Remnant workpiece length min.	mm	40
Remaining workpiece length min. autom.	mm	200
Work table height	mm	800
Drive motor power ~50 Hz	kW/V	5.5 / 400
Dimensions (L x W x H) approx.	mm	4300 x 3290 x 2550
Weight approx.	kg	5150

Convince yourself of our capabilities and ask for individual advice

Clamping ranges

mm	0°	
	550	X
	550 x 500	550 x 460



Substantial equipment can be found in the main catalogue or at www.metallkraft-machines.com

VMBS series

Vertical metal bandsaws in a solid and proven design with strip welding unit, E-models with electric table feed

- ▶ Extremely robust construction, entire machine body made of steel
- ▶ User-friendly operating concept
- ▶ Workplace lighting as standard
- ▶ Analogue display of the belt tension for different saw blade thicknesses
- ▶ Integrated strip welding unit with annealing, cutting and sanding device
- ▶ Height-adjustable upper belt guide with carbide plates
- ▶ Carbide belt guide under the table
- ▶ Models VMBS 1408 and 1610 with blow-out device as standard
- ▶ Models from VMBS 2013 with minimum quantity lubrication as standard
- ▶ Models VMBS 1408 and 1610 with infinitely variable saw blade speed via mechanical variator

- ▶ Models from VMBS 2013 with electronically adjustable saw blade speed with digital display
- ▶ Models from VMBS 2013 with separate handwheel for height adjustment of the belt guide



VMBS 1610



VMBS 1610 E

VMBS 1408

- ▶ Infinitely variable saw blade speed via variator

from VMBS 1610

- ▶ With 2-speed gearbox
- ▶ Infinitely variable saw blade speed via variator

from VMBS 2013

- ▶ With circular cutting device
- ▶ With mitre fence for angle cuts
- ▶ Height adjustment of the saw blade guide by handwheel
- ▶ Magnifying glass
- ▶ Infinitely variable regulation of the saw blade speed via frequency converter

VMBS 1610 E

VMBS 2013 I E

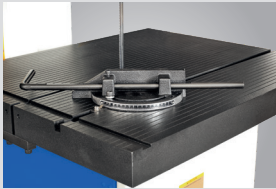
VMBS 2614 I E

VMBS 3613 I E

- ▶ With electric table feed

Convince yourself of our capabilities and ask for individual advice

Technical data		VMBS 1408	VMBS 1610	VMBS 1610E	VMBS 2013 I	VMBS 2013 I E
Art no.		3951407	3951610	3951611	3952013	3952014
Spindle - column distance	mm	356		396		508
Cutting height max.	mm	205		255		330
Table dimensions (L x W)	mm	500 x 500		550 x 600		600 x 700
Working height	mm	990		1000		990
Table travel	mm	-	-	300	-	300
Max. table load		150		150		350
Table swivelling range left/right	°	12 / 15	12 / 15	5 / 5		12 / 12
Table swivelling range front/rear	°	8 / 8	8 / 8	-		-
Saw blade (L x W) max.	mm	2880 x 13		3140 x 16		4035 x 27
Saw band speed (1st gear)	m/min.	20 - 80		20 - 80		15 - 120
Saw band speed (2nd gear)	m/min.	-		250 - 1000		190 - 1500
Band saw blade welders Performance	mm	13		16		19
Impeller Ø	mm	368		408		515
Motor power ~50 Hz	kW / V	0.75 / 400		1.5 / 400		2.2 / 400
Dimensions (L x W x H) approx.	mm	850 x 600 x 1740		940 x 675 x 1840		1090 x 780 x 2030
Weight approx.	kg	275	410	435	570	605



▶ Mitre fence for angle cuts from VMBS 2013



▶ Circular cutting device from VMBS 2013



▶ Magnifying glass



▶ Workplace lighting



VMBS 2614 I



VMBS 3613 I E



▶ User-friendly operating concept



All models with integrated strip welding unit

Saw blades
for all models in the
METALKRAFT main catalogue

Technical data		VMBS 2614 I	VMBS 2614 I E	VMBS 3613 I	VMBS 3613 I E
Art no.		3952614	3952615	3953613	3953614
Spindle - column distance	mm	658		915	
Cutting height max.	mm	360		330	
Table dimensions (L x W)	mm	600 x 700		600 x 700	
Dimensions Additional table (L x W)	mm	-		450 x 700	
Working height	mm	980		990	
Table swivelling range left/right	°	12 / 12		12 / 12	
Table travel	mm	-	300	-	300
Max. table load	kg	350		350	
Saw blade (L x W) max.	mm	4710 x 27		5030 x 27	
Saw blade speed (1st gear)	m/min.	15 - 120		15 - 120	
Saw blade speed (2nd gear)	m/min.	190 - 1500		190 - 1500	
Band saw blade welders Performance	mm	19		19	
Impeller Ø	mm	665		515	
Additional top impeller Ø	mm	-		368	
Motor power ~50 Hz	kW / V	2.2 / 400		2.2 / 400	
Dimensions (L x W x H) approx.	mm	1340 x 810 x 2190		1760 x 810 x 2060	
Weight approx.	kg	645	680	780	815

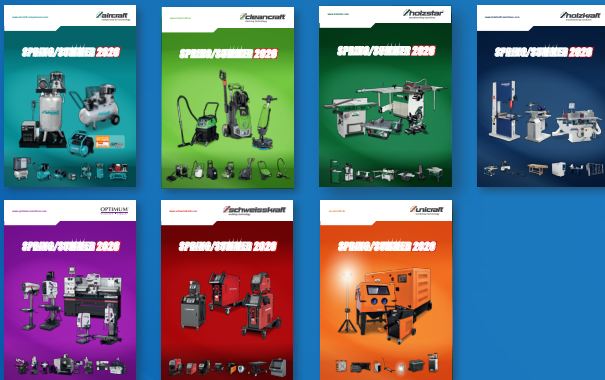
QUALITY WORK NEEDS QUALITY MACHINES



BMBS 300 x 320 HA-DG

Semi-automatic
swivelling frame metal band saw
Art. no.: 3690041

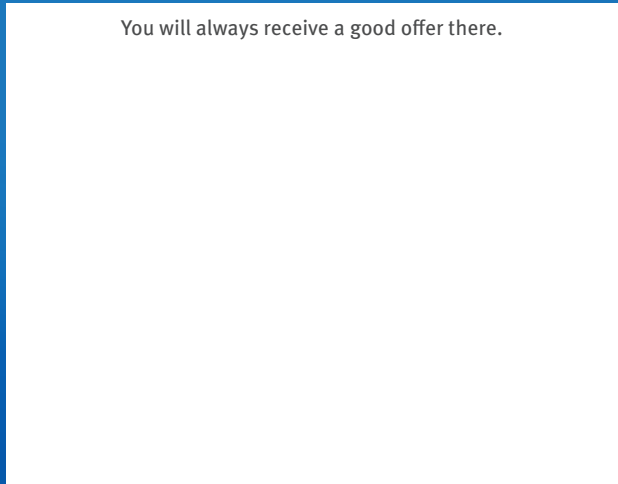
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