

Please swipe

Epple[®]

Maschinen

www.epple.com GERMANY

ENGLISH



Your reliable partner since 43 years

Machines for Craftsmen and Industry



Metalworking Drilling - Milling - Turning - Sawing - Grinding - Accessories

Main Catalogue 2019

Sheet Metal Forming Bending - Folding - Cutting - Water/Plasma/Laser



since **43 years** Epple Maschinen[®]
since **43 years** experience with Metal Working Machines
since **43 years** constant growth
since **43 years** own developments and innovations



The Company - 43 years of Epple Maschinen[®]

Founded in 1976, managed by the second generation and with over 30 years of international experience **Epple Maschinen[®]** offers high-quality metal processing machines with an exceptionally good recommended retail price.

Distribution

Consulting, sales and delivery of **Epple Maschinen[®]** is carried by well stocked retailers in Germany. Within and even outside the European Union there are regional partners near you.

Retailers

Due to our retailer distribution network there is usually a contact person in your area who guarantees advice and after-sales-service. As a matter of course our service team is also available weekdays from Monday to Friday.

Partners abroad

To this day **Epple Maschinen[®]** are not only sold in Europe but are also represented by our partners in many countries worldwide.

Market position

Due to the high quality standard and the great price-performance ratio **Epple Maschinen**[®] are in a good position on the international market. Our products can stand up to any comparison in terms of quality, technology, equipment, stable construction and durability with comparable and equal products and are standing in the first place in terms of technical development.

Service Support

Our service employees will be gladly available for telephonic questions - of course without an expensive hotline.

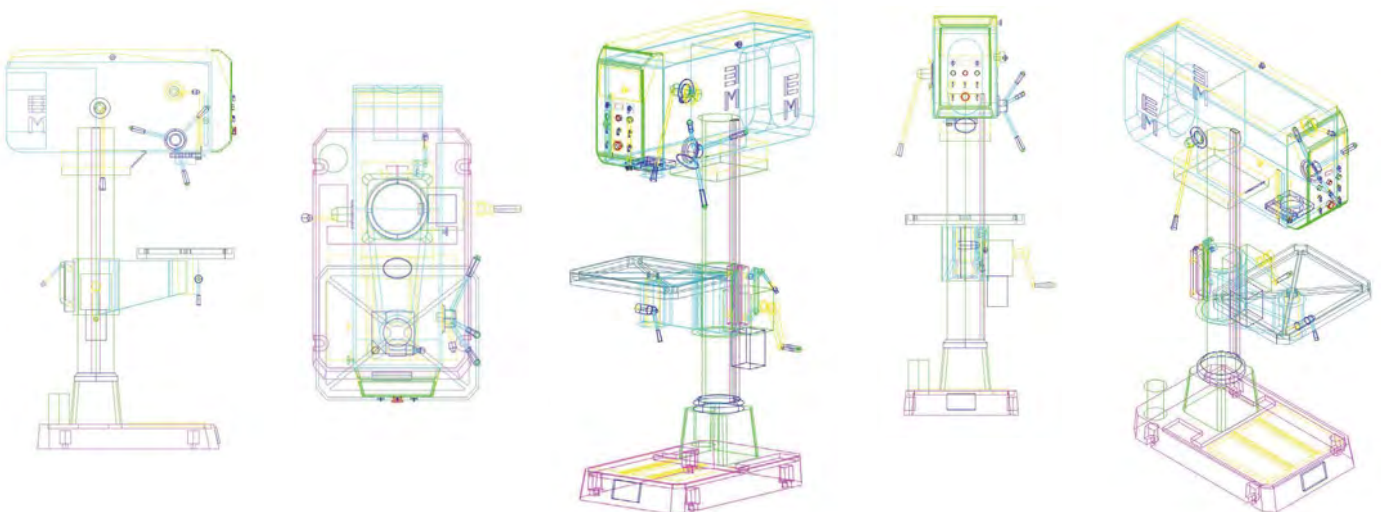
Trade fairs

We have been exhibitors at important trade fairs in Germany for many years. Outside of Germany **Epple Maschinen**[®] can be seen at our sales partners and several local fairs.



Development

While preparing a specification book, planning and developing new products we are both customer-oriented and innovative. For years we are maintaining our high position on the constantly changing and evolving market. Our own developments such as our HIGHLINE-Machines or for example our software for the new touch-screen control of the SBH 36 NC Vario are extensively planned, constructed and implemented.



Production

The machines are mainly produced by Joint-Venture companies and original manufacturers in close cooperation. Because of that **Epple Maschinen**[®] has direct influence in the production and depth of production and are characterised by a lot of detail improvements. Due to this it is possible to produce quality products which our customer trust for more than 43 years now.

Three Product Lines

Epple Maschinen GmbH distributes metal and sheet metal working machines and consist of three product lines:

- Machines for price-conscious, professional workshops or industrial companies according to our specifications and with direct influence on the production and also for demanding users the product lines:
- PREMIUM-Line machines, produced for **Epple Maschinen**[®] by western industrial and prestigious manufacturers with decades of experience and
- HIGHLINE machines that are engineered and designed by **Epple Maschinen**[®]

Quality

Epple Maschinen[®] are produced according to our special requirements with very high quality requirements and direct intervention during the production process. Nearly all of our products are produced by renowned original manufacturers. The quality of **Epple Maschinen**[®] is ensured by continuous checks during the production and also by final inspections of the finished goods as well as continuous influence on improvement proposals and processes. We are considering this as an indispensable part of quality assurance for the satisfaction of our customers.



Controls

In order to leave nothing to chance regarding the product satisfaction of **Epple Maschinen**[®], application tests are performed on all tools and machines both for the finished products and also during the production process.



Technical Documentation

It goes without saying that **Epple Maschinen**[®] has a sophisticated and technical perfect user manual, which is also available in digital form.



Delivery Capacity

Our own large warehouse at the companies headquarter in Wiesensteig enables a high delivery capacity. Even large machines that are manufactured for customer-specific orders are available within a short time. Modern data processing support the workflow, orders are processed in no time and products are delivered swiftly.

Spare Parts

Our extensive spare parts storage in Wiesensteig ensures that **Epple Maschinen**[®] can be used on longterm.

Consultations and Product Training

Epple Maschinen[®] are designed for ergonomic and easy operation. For advice and product training our regional retailers or our sales engineers will gladly support you. Demonstration and instruction in machine usage are both available in our headquarters.

Catalogue

The essential technical information of our **Epple Maschinen**[®] products are included in this catalogue. Further information can be received on request. Our catalogue is available in many different languages online. The whole catalogue is protected by copyright.

Advertising Material

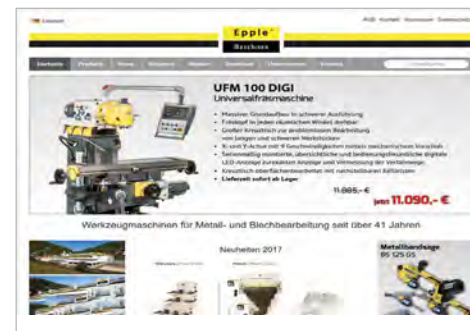
We keep an in-house marketing with the latest equipment for our retail partners at home and abroad.



Website

Please visit our homepage on:

www.epple.com



Environmental Protection

Environmental protection is of great importance for us. We are member of several disposal associations. We separate and recycle our waste and due to ecological wood recycling we are able to heat our company buildings on the state of art.

Special Sale

At Wiesensteig plant, there is a special sale of tested, functional machines at reduced prices. These are e.g. machinery with damages in transit, second quality machines, remaining discontinued models, sample machines or used machines. Special sales machines are available on request.

Epple Maschinen[®] exerts direct influence on the production.

To facilitate the purchase decision for your claims, requirements and budget as well as to find the suitable machine accordingly to the operation purpose, we divided our brand **Epple Maschinen[®]** years ago into three product ranges and price categories: standard, PREMIUM-LINE and HIGHLINE.

Standard

Machines made in China/Taiwan for the price-conscious, professional craftsman and the industrial firm **Epple Maschinen[®]** are manufactured exclusively or in accordance with our standards for years under high quality standards with direct influence on the production. There are similar products on the market that do not reach the quality standards of **Epple Maschinen[®]**. **Epple Maschinen[®]** are manufactured by renown manufacturing shops and manufacturers that have been chosen carefully and who can meet our high quality standards. The insights of our experience for decades serve for the continuous further development and improvement of our products. A lively exchange from the planning phase until the finished product through our technically high-qualified team and the place of production is of the utmost importance for us. On-site the products are inspected again by our quality management representative. Thereby you get fully developed, high-quality machines from **Epple Maschinen[®]** at a remarkably good price-performance ratio.

Therefore products of the **Epple Maschinen[®]** standard-program partially are copied for years. Hence, decide in favor of the original from **Epple Maschinen[®]**. Please ask us for your next dealer in your country.

Especially for the demanding user who is intent on industrial quality we offer the two product lines **Epple Maschinen[®]** PREMIUM-LINE and **Epple Maschinen[®]** HIGHLINE:

PREMIUM-LINE

Product line Epple Maschinen[®] PREMIUM-LINE-machines for the demanding user.

All machines of the PREMIUM-LINE product line are manufactured by renown, occidental industrial producers with decades of experience for the brand name **Epple Maschinen[®]**. The product's characteristics are robustness, operator convenience and functionality. These features will contribute to your business productivity - **machines for an exacting user.**

HIGHLINE

New product line Epple Maschinen[®] HIGHLINE - "ENGINEERED AND DESIGNED" BY EPPLE MASCHINEN[®]

HIGHLINE products may only be bought from **Epple Maschinen GmbH**. The machines are developed modernly and in a fastidious design. From the concept drawings, technical development on CAD computer, construction phase of the virtual 3D-machine up to the fabrication on modern CNC-machines **Epple Maschinen GmbH** has the permanent and decisive control of the product development. The outstanding performance level of our new HIGHLINE-series assures you highest quality at an unequalled priceperformance ratio in this industry machine category.

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- KRBS 100
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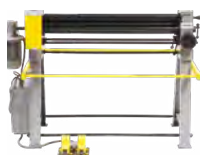
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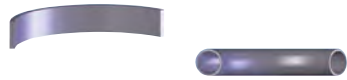
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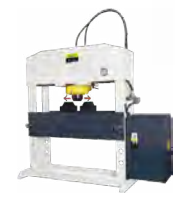




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Drilling

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Altering current motor 230 Volt, 50 Hz	•		•			•			•		•	•								
Three-Phase motor 400 V, 50 Hz		•		•	•	•	•	•		•			•	•	•	•	•	•	•	•
Motorsteps								2	2	2	2	2	2	2	2	2	2	2	2	2
RÖHM-Quick action drill chuck 1-13 mm		•	•	•	•	•	•	•	•											
RÖHM-Quick action drill chuck 3-16 mm										•	•	•	•	•	•	•	•	•	•	•
Speed display, digital (LED)			•	•		•	•	•	•	•	•	•			•	•	•			
Speed adjustment stepless			•	•			•		•		•	•			•	•	•			
Forward/Reverse		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spindle protection with electric fuse						•	•	•	•	•	•	•			•	•	•	•	•	•
Manual drill depth stop	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Digital drill depth stop										•	•	•				•	•			
Threading (series)											•	•				•	•	•	•	•
Automatic feed															•	•	•	•	•	•
Coolant system								•	•	•	•	•		•	•	•	•	•	•	•
Working light	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Bench drill	•	•				•	•													
Column drill			•	•	•			•	•	•	•	•	•	•	•	•	•			
Gear drill																		•	•	•
Technical information:																				
Drilling capacity in steel max. Ø (in mm)	23	23	23	23	32	24	24	28	28	34	34	34	40	40	50	60	60	35	35	50
Spindle taper (MT)	2	2	2	2	4	2	2	3	3	4	4	4	4	4	4	4	4	4	4	4
Spindle stroke (in mm)	80	80	80	80	120	85	85	105	105	160	160	160	120	120	160	200	200	180	180	240
Working range (in mm)	180	180	180	180	255	165	165	200	200	285	285	285	215	215	320	350	350	350	350	370
Column drill (in mm)	80	80	80	80	90	80	80	92	92	115	115	115	100	100	110	175	175	150	150	200
Speed range (min ⁻¹)	120 - 2.580	120 - 2.580	120 - 2.580	120 - 2.580	150 - 2.700	360 - 4.200	100 - 4.400	120 - 4.250	35 - 6.100	130 - 4.940	40 - 6.500	40 - 6.500	150 - 1.920	150 - 1.920	85 - 1.900	40 - 4.000	40 - 4.000	50 - 1.450	50 - 1.450	40 - 2.100
Machine table, usable bearing (L x D) (in mm)	290 x 290	290 x 290	290 x 290	290 x 290	425 x 475	280 x 300	300 x 280	360 x 340	360 x 340	400 x 420	400 x 500	400 x 500	315 x 410	315 x 410	425 x 500	400 x 500	400 x 500	550 x 550	550 x 550	500 x 600
Motor power (kW)	0,55	0,55	0,55	0,55	0,7	0,75	1,5	0,85/1,5	1,5	2,2	2,2	2,2	1,9	1,9	1,7	5	5	1,5	1,5	2,8
Weight (kg)	56	56	60	60	120	120	120	200	200	360	360	360	235	245	450	780	780	450	470	660

TB 23-230 V / TB 23-400 V

BENCH DRILL MT 2 UP TO 23 MM



PIC.: TB 23-400 V

- » solid construction suitable for craftsmen users
- » precision of concentricity < 0,02 mm measured in the spindle sleeve
- » belt housing in steel, locked cover with safety shutdown
- » powerful, smooth running electric motor, aluminum body with cooling fins
- » 400 V model with forward and reverse run
- » safety switch with low-voltage release and emergency stop
- » rotating, tilting and inclinable massive working table with T-slots for 16 mm sliding blocks
- » comfortable mechanical height adjustment of drilling table by toothed rack
- » solid, large dimensioned base plate with T-slots, precise surface finishing
- » LED working light
- » RÖHM quick-action drill chuck supplied 1-13 mm
- » drill chuck guard
- » drill depth stop

You can find detailed equipment at page 259.
Information about the flow-hole moulding process on page 269.

Description	TB 23
drilling performance	23 mm
sleeve travel	80 mm
spindle taper	MT 2
spindle speed	120 - 2.580 min ⁻¹
no. of speeds	12
automatic drilling feed	no
working range	180 mm
table size	290 x 290 mm
T-slot size (table)	16 mm
T-slot number (table)	2 (diagonal)
drilling table swivel	±45°
column diameter	80 mm
motor power	550 Watt
dimensions (W x D x H)	300 x 500 x 980 mm
weight	56 kg
Type	230 V
EAN	4260364290011
Item no.	210 0023

Type	400 V
EAN	4260364290028
Item no.	210 0123

SBS 23-230 V / SBS 23-400 V SBS 32 COLUMN DRILLING MACHINES

Column Drilling Machines



PIC.: SBS 23-230 V





















PIC.: SBS 32

View page 19 for technical details.

SBS 23-230 V / SBS 23-400 V / SBS 32

- » solid construction suitable for craftsmen users
- » precision of concentricity < 0,02 mm measured in the spindle sleeve
- » belt housing in steel, locked cover with safety shutdown
- » powerful, smooth running electric motor, aluminum body with cooling fins
- » 400 V model with forward and reverse run
- » safety switch with low-voltage release and emergency stop
- » rotating, tilting and inclinable massive working table with T-slots for 16 mm sliding blocks
- » comfortable mechanical height adjustment of drilling table by toothed rack
- » solid, large dimensioned base plate with T-slots, precise surface finishing
- » LED working light
- » RÖHM quick-action drill chuck supplied 1-13 mm
- » drill chuck guard
- » drill depth stop

Optional Equipment

Description	Art.-No.	Description	Art.-No.
 Quick Action Drill Chuck RÖHM 1-13 mm	510 3013	 MS 125	120 0125
 Quick Action Drill Chuck RÖHM 3-16 mm	510 3016	 UPS 100	520 4010
 HSS Drill Bit Set	510 9013	 Morse Taper Drill Case 1	510 1423
 MSE 75	121 0075	 Morse Taper Drill Case 2	510 1430
 MSE 100	121 0100	 Morse Taper	-
 MSE 125	121 0125	 Reducing Sleeves	-
 MSE 150	121 0150	 Extension Sleeves	-
 MSI 100	121 2100		
 MSI 140	121 2140		
 MSI 200	121 2200		
 MS 100	120 0100		

You can find detailed equipment at page 259.

Description	SBS 23
drilling cap in steel	23 mm
sleeve travel	80 mm
spindle taper	MT 2
spindle speeds	120 - 2.580 min ⁻¹
no. of speeds	12
automatic drilling feed	no
working range	180 mm
table size	290 x 290 mm
T-slot size (table)	16 mm
T-slot number (table)	2 (diagonal)
drilling table swivel	±45°
column diameter	80 mm
motor power	550 Watt
dimensions (W x D x H)	310 x 550 x 1.480 mm
weight	85 kg
	230 V
EAN	4260364290059
Item No.	215 0023

Description	SBS 32
drilling cap in steel	32 mm
sleeve travel	120 mm
spindle taper	MT 4
spindle speeds	150 - 2.700 min ⁻¹
no. of speeds	12
automatic drilling feed	no
working range	255 mm
table size	475 x 425 mm
T-slot size (table)	18 mm
T-slot number (table)	3
drilling table swivel	±45°
column diameter	90 mm
motor power	400 V / 1,1 kW
dimensions (W x D x H)	500 x 700 x 1.750 mm
weight	137 kg
	SBS 32
EAN	4260364290073
Item No.	210 0132

	400 V
EAN	4260364290066
Item No.	215 0123

TBH 24 / TBH 24 VARIO / SBH 28
SBH 28 VARIO / SBH 36 / SBH 36 VARIO
SBH 36 NC VARIO

BENCH AND COLUMN DRILLING MACHINES



PIC.: TBH 24 VARIO



PIC.: SBH 28



PIC.: SBH 36 VARIO

Technical Data SBH 28 Vario / SBH 36 / SBH 36 Vario / SBH 36 NC Vario on page 21.

Description	TBH 24	TBH 24 Vario	SBH 28
drilling cap in steel	24 mm	24 mm	28 mm
sleeve travel	85 mm	85 mm	105 mm
spindle taper	MT 2	MT 2	MT 3
spindle speeds	360 - 4.200 min ⁻¹	100 - 4.400 min ⁻¹	120 - 4.250 min ⁻¹
no. of speeds (over wedge straps)	7	4	16
automatic drilling feed	no	no	no
working range	165 mm	165 mm	200 mm
table size	280 x 300 mm	280 x 300 mm	340 x 360 mm
T-slot size (table)	14 mm	14 mm	14 mm
T-slot number (table)	2 (diagonal)	2 (diagonal)	2 (diagonal)
column diameter	80 mm	80 mm	92 mm
distance spindle to table max.	515 mm	495 mm	858 mm
distance spindle to foot max.	681 mm	681 mm	1.270 mm
motor power	400 V / 50 Hz / 750 Watt	230 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 0,85 kW / 1,5 kW
dimensions (W x D x H)	515 x 740 x 1.170 mm	515 x 740 x 1.170 mm	575 x 840 x 1.750 mm
weight	120 kg	120 kg	200 kg
	TBH 24	TBH 24 Vario	SBH 28
EAN	4260364290035	4260364290042	4260364290080
Item No.	210 6024	210 6124	215 6028

TBH 24 / TBH 24 VARIO
SBH 28 / SBH 28 VARIO
SBH 36 / SBH 36 VARIO
SBH 36 NC VARIO
BENCH AND COLUMN DRILLING MACHINES

- » Bench drill and drill press in raised execution for handcraft and industrial use
- » the running accuracy measured smaller 0,02 mm in the drilling barrel
- » belt cover out of metal with safety shutdown
- » high-grade two step aluminium electric motor with cooling fins aluminium electric motor with cooling fins - model Vario with continuously rotation speed control via frequency converter
- » digital LED-rotation speed display
- » high turning movement
- » switch for clockwise/anticlockwise rotation
- » SBH 36 Vario with operating type reaming/auto
- » precise surface processing, massive and stable work table, pivotable, slewable, inclinable with T-slots with 16 mm sliding blocks
- » comfortable mechanical height adjustment for the table via rack
- » large and massive base plate with T-slots, precise surface processing
- » integrated establishment for coolant with coolant tank
(only model SBH 28 Vario and SBH 36 Vario)
- » LED working light
- » **model TBH 24 and TBH 24 Vario:** with RÖHM-quick-release chuck supplied as standard 1-13 mm
- » **model SBH 28 and 36:** with RÖHM-quick-release chuck supplied 1-13 mm as standard
- » digital drilling depth display (only model SBH 36)

NEW



PIC.: DISPLAY COVER

**IN-BEDIENUNG
UND DESIGNED
MASCHINEN®**

Description	SBH 28 Vario	SBH 36	SBH 36 Vario	SBH 36 NC Vario
drilling cap in steel	28 mm	34 mm	34 mm	34 mm
sleeve travel	105 mm	160 mm	160 mm	160 mm
Spindle taper	MT 3	MT 4	MT 4	MT 4
spindle speeds	35 - 6.100 min ⁻¹	130 - 4.940 min ⁻¹	40 - 6.500 min ⁻¹	40 - 6.500 min ⁻¹
no. of speeds (via V-belts adjust)	12	9	9	9
speed via potentiometer	stepless	no	stepless	stepless
automatic drilling feed	no	no	no	no
working range	200 mm	285 mm	285 mm	285 mm
table size	340 x 360 mm	420 x 400 mm	400 x 500 mm	400 x 500 mm
T-slot size (table)	14 mm	14 mm	14 mm	14 mm
T-slot number (table)	2 (diagonal)	2 (diagonal)	2 (diagonal)	2 (diagonal)
column diameter	92 mm	115 mm	115 mm	115 mm
distance spindle to table	max. 765 mm	max. 790 mm	max. 790 mm	max. 790 mm
distance spindle to foot max.	1.200 mm	1.270 mm	1.270 mm	1.270 mm
motor power	230 V / 50 Hz / 1,5 kW	400 V / 1,5 kW / 2,2 kW	230 V / 2,2 kW	230 V / 2,2 kW
dimensions (W x D x H)	575 x 840 x 1.750 mm	560 x 910 x 1.935 mm	560 x 910 x 1.935 mm	560 x 910 x 1.935 mm
weight	200 kg	360 kg	360 kg	360 kg
	SBH 28 Vario	SBH 36	SBH 36 Vario	SBH 36 NC Vario
EAN	4260364290097	4260364290103	4260364290110	4260364295689
Item No.	215 6128	215 6036	215 6136	215 6236



PIC.: SBH 36 NC VARIO WITH DISPLAY

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

SB 40 / SB 40 K

COLUMN DRILLING MACHINES



PIC.: SB 40

Column Drilling Machines



















Description	SB 40	SB 40 K
drilling cap in steel	40 mm	40 mm
sleeve travel	120 mm	120 mm
spindle taper	MT 4	MT 4
spindle speeds	150 - 1.920 min ⁻¹	150 - 1.920 min ⁻¹
no. of speeds	10	10
automatic drilling feed	no	no
working range	215 mm	215 mm
table size	410 x 315 mm	410 x 315 mm
T-slot size (table)	16 mm	16 mm
T-slot number (table)	2	2
drilling table swivel	±45°	±45°
column diameter	100 mm	100 mm
motor power	400 V / 1,1 kW / 1,9 kW	400 V / 1,1 kW / 1,9 kW
dimensions (W x D x H)	470 x 800 x 1.700 mm	470 x 800 x 1.700 mm
weight	235 kg	245 kg
	SB 40	SB 40 K
EAN	4260364290127	4260364290134
Item No.	115 0440	115 0445

**SB 40 K:
WITH COOLANT DEVICE**

SB 40 / SB 40 K

- » solid construction suitable for craftsmen and industrial use
- » lasting value
- » high-quality 2-step aluminum motor with cooling fins
- » concentricity precision < 0,02 mm measured in the spindle sleeve
- » belt housing in steel, interlocked, with safety shutdown function
- » **model: SB 40 K with coolant device**
- » switch for clockwise/anticlockwise rotation
- » high turning movement
- » massive and ground tie bar
- » precise surface processing, massive and stable work table,
pivotal and inclinable with T-slots with 16 mm sliding blocks
- » comfortable mechanical height adjustment for the table via rack
- » high stability and a stable lever
- » LED working light
- » RÖHM quick-action drill chuck supplied as standard 3-16 mm
- » drill chuck guard
- » drill depth stop

Optional Equipment

Description	Art.-No.	Description	Art.-No.
 Quick Action Drill Chuck RÖHM 1-13 mm	510 3013	 MS 125	120 0125
 Quick Action Drill Chuck RÖHM 3-16 mm	510 3016	 UPS 100	520 4010
 HSS Drill Bit Set	510 9013	 Morse Taper Drill Case 1	510 1423
 MSE 75	121 0075	 Morse Taper Drill Case 2	510 1430
 MSE 100	121 0100	 Morse Taper	-
 MSE 125	121 0125	 Reducing Sleeves	-
 MSE 150	121 0150	 Extension Sleeves	-
 MSI 100	121 2100		
 MSI 140	121 2140		
 MSI 200	121 2200		
 MS 100	120 0100		

You can find detailed equipment at page 259.

SB 55 SV

COLUMN DRILLING MACHINE



PIC.: SB 55 SV



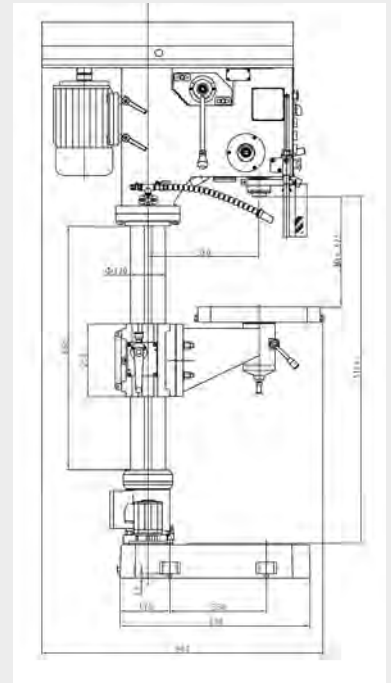
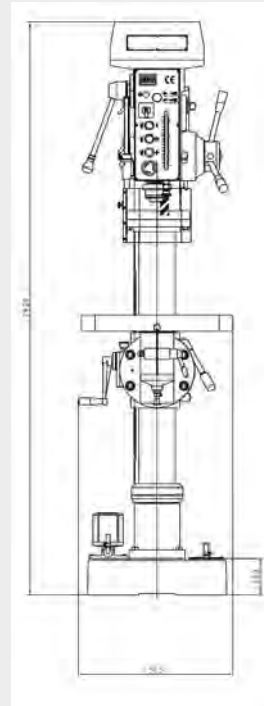
OPTIONAL EQUIPMENT

» available with thread cutting device



















Description	SB 55 SV
drilling cap in steel	50 mm
sleeve travel	160 mm
spindle taper	MT 4
spindle speeds	85 - 1.900 min ⁻¹
speeds	stepless
automatic drilling feed	0,10-0,20-0,30 mm/rev
working range	320 mm
table size	500 x 425 mm
T-slot size (table)	14 mm
T-slot number (table)	2 (diagonal)
drilling table swivel	±45°
column diameter	110 mm
distance spindle to table max.	590 mm
distance spindle to foot max.	1.140 mm
motor power	400 V / 1,0 kW / 1,7 kW
dimensions (W x D x H)	515 x 965 x 1.920 mm
weight	450 kg
	SB 55 SV
EAN	4260364290158
Item No.	210 2055

SB 55 SV

- » Column Drilling Machine in solid construction suitable for craftsmen and industrial use
- » stability and smoothness by massive assemblies
- » powerful, smooth running 2-step electric motor with cooling fins
- » switch for clockwise/anticlockwise rotation
- » complete speed range is obtained without belt change
- » variable speed adjustment by PIV-drive: built in high quality steel with belt technology
- » digital LED speed display
- » auto spindle feed with 3 speeds
- » integrated cone ejection, hardened for high longevity
- » working table with precisely finished surface; rotating, tilting and inclinable; massive construction with T-slots for 14 mm sliding blocks
- » rack on ball-bearing for easy table rotation around the column
- » integrated cooling pump and coolant tank
- » LED working light
- » RÖHM quick-action drill chuck supplied as standard 3-16 mm
- » drill chuck guard
- » drill depth stop
- » LED working light



Optional Equipment

Description	Art.-No.	Description	Art.-No.
 Quick Action Drill Chuck RÖHM 1-13 mm	510 3013	 MS 125	120 0125
 Quick Action Drill Chuck RÖHM 3-16 mm	510 3016	 UPS 100	520 4010
 HSS Drill Bit Set	510 9013	 Morse Taper Drill Case 1	510 1423
 MSE 75	121 0075	 Morse Taper Drill Case 2	510 1430
 MSE 100	121 0100	 Morse Taper	-
 MSE 125	121 0125	 Reducing Sleeves	-
 MSE 150	121 0150	 Extension Sleeves	-
 MSI 100	121 2100		
 MSI 140	121 2140		
 MSI 200	121 2200		
 MS 100	120 0100		

You can find detailed equipment at page 259.

H-SB 60 FV HIGHLINE

COLUMN DRILLING MACHINE



**ENGINEERED AND
DESIGNED BY
EPPLE MASCHINEN®**

INDUSTRIAL MACHINE FOR HIGH CLAIMS AT THE BEST PRICE

Extremely robust machine in raised quality with extensive technical equipment.

- » stability and smoothness by massive assemblies
- » high quality 2-step aluminum motor with cooling fins and frequency converter
- » stepless speed control using frequency converters and potentiometers
- » spindle speeds from 40 - 4.000 U/min
- » high torque
- » digital LED speed display
- » hardened and ground main spindle made of heavy duty steel EN 353
- » incorporated hardened cone ejection for long lifespan
- » switch for clockwise/anticlockwise rotation
- » pre-selection for drilling, thread cutting and series production

- » threading mechanism for threads up to M 48
- » adjustable drilling depth stop with millimeter scale, readable from the front, as well as digital LED drilling depth display (only model H-SB 60 NC: input and reading in the touchscreen)
- » auto spindle sleeve feed with 4 speeds and overload protection
- » feed circuit with electromagnetic clutch, operation on electric cross handle circuit
- » hardened and ground toothed gear wheels
- » feed worm gear of phosphor bronze for highest loads and durability
- » massive, manually trimmed and solid work table with T-slots for 14 mm sliding blocks; tilting and rotating with circular cooling liquid channel
- » comfortable mechanical and electrical height adjustment of the drilling table with toothed rack
- » toothed rack on ball bearings for easy table rotation around the column even when highly loaded
- » massive, hand scraped base with circumferential cooling liquid channel
- » powerful cooling liquid facility
- » height adjustable chuck guard with protective glass and auto shutdown by micro switch
- » RÖHM quick - action drill chuck as standard 3-16 mm

Description	H-SB 60 FV HIGHLINE
threading capacity	M 48
drilling cap in steel	60 mm
sleeve travel	200 mm
spindle taper	MT 4
running concentricity	< 0,015 mm
lower spindle speeds	motor step 1: 0 - 350 min ⁻¹ motor step 2: 0 - 2.000 min ⁻¹
higher spindle speeds	motor step 1: 0 - 700 min ⁻¹ motor step 2: 0 - 3.500 min ⁻¹
automatic drilling feed	0,07; 0,15; 0,25 und 0,40 mm/rev
working range	350 mm
table size	500 x 400 mm
T-slot size (table)	14 mm
T-slot number (table)	2 (diagonal)
column diameter	175 mm
column wall thickness	17 mm
distance spindle to table max.	600 mm - height electr. adjustable
distance spindle to foot max.	1.170 mm
coolant tank	6 ltr
motor power	400 V / 4,0 kW
dimensions (W x D x H)	750 x 1.100 x 2.020 mm
weight	780 kg
	H-SB 60 FV HIGHLINE
EAN	4260364290172
Item No.	110 2060

ENGINEERED AND DESIGNED BY EPPLE MASCHINEN®

HIGHLINE

mode selection:
DRILLING, THREADING,
SERIALPRODUCTION

ejection device for
tool change

digital speed display

forward and reverse

LED working light
on-off switch

cooling liquid switch
on-off

emergency-stop

drilling table

- » manually trimmed and precisely finished
- » electrical height adjustment by powerful motor
- » large dimensioned and massive construction
- » strong ribbed rear side
- » rotating by 360° around the table axis and around the column
- » double table deadlock with safety switch (rear side)

switch for 2-step
driving motor

activation keys for
threading mechanism
or sleeve feed in the star
handle (H- SB 50 V and
H- SB 60 FV)

switch for electrical
table height adjustment

LED light integrated in the
machine head

height adjustable chuck
guard with electrical
switch

powerful motor for a
comfortable table
height adjustment

toothed rack with ball
bearings for easy table
rotation under heavy
loads

machine foot

- » manually trimmed and precisely finished
- » column support and base plate composed of one cast part for highest precision and stability

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www.epple.com

HIGHLINE

H-SB 60 NC HIGHLINE

COLUMN DRILLING MACHINE



**ENGINEERED AND
DESIGNED BY
EPPLER MASCHINEN®**

INDUSTRIAL MACHINE FOR HIGH CLAIMS AT THE BEST PRICE

Extremely robust machine in raised quality with extensive technical equipment, developed for the demanding user with touch screen operation.

- » stability and smoothness by massive assemblies
- » high quality 2-step aluminum motor with cooling fins and frequency converter
- » stepless speed control using frequency converters and potentiometers
- » spindle speeds from 40 - 4.000 U/min
- » high torque
- » digital LED speed display
- » hardened and ground main spindle made of heavy duty steel EN 353
- » incorporated hardened cone ejection for long lifespan
- » switch for clockwise/anticlockwise rotation
- » pre-selection for drilling, thread cutting and series production

- » threading mechanism for threads up to M 48
- » input and reading of the sleeve way in the touch screen
- » auto spindle sleeve feed with 4 speeds and overload protection
- » hardened and ground toothed gear wheels
- » feed worm gear of phosphor bronze for highest loads and durability
- » massive, manually trimmed and solid work table with T-slots for 14 mm sliding blocks; tilting and rotating with circular cooling liquid channel
- » comfortable mechanical and electrical height adjustment of the drilling table with toothed rack
- » toothed rack on ball bearings for easy table rotation around the column even when highly loaded
- » massive, hand scraped base with circumferential cooling liquid channel
- » powerful cooling liquid facility
- » height adjustable chuck guard with protective glass and auto shutdown by micro switch
- » RÖHM quick - action drill chuck as standard 3-16 mm

Description	H-SB 60 NC HIGHLINE
threading capacity	M 48
drilling cap in steel	60 mm
sleeve travel	200 mm
spindle taper	MT 4
running concentricity	< 0,015 mm
lower spindle speeds	motor step 1: 0 - 350 min ⁻¹ motor step 2: 0 - 2.000 min ⁻¹
higher spindle speeds	motor step 1: 0 - 700 min ⁻¹ motor step 2: 0 - 3.500 min ⁻¹
automatic drilling feed	0,07; 0,15; 0,25 und 0,40 mm/rev
working range	350 mm
table size	500 x 400 mm
T-Slot size (table)	14 mm
T-Slot number (table)	2 (diagonal)
column diameter	175 mm
column wall thickness	17 mm
distance spindle to table	600 mm - height electr. adjustable
distance spindle to foot	1.170 mm
coolant tank	6 ltr
motor power	400 V / 4,0 kW
dimensions (W x D x H)	750 x 1.100 x 2.020 mm
weight	780 kg
	H-SB 60 NC HIGHLINE
EAN	4260364290189
Item No.	110 4060

ENGINEERED AND DESIGNED BY EPPLE MASCHINEN®

EXKLUSIVE OF EPPLE MASCHINEN®

HIGHLINE

mode selection:
DRILLING, THREADING,
SERIALPRODUCTION

ejection device for
tool change

digital speed display

potentiometer for a
stepless speed regulation
forward and reverse

cooling liquid switch on-off

emergency-stop

drilling table

- » manually trimmed and precisely finished
- » electrical height adjustment by powerful motor
- » large dimensioned and massive construction
- » strong ribbed rear side
- » rotating by 360° around the table axis and around the column
- » double table deadlock with safety switch (rear side)

Touch-Screen-Display

switch for 2-step
driving motor

activation keys for threa-
ding mechanism or sleeve
feed in the star handle

switch for electrical
table height adjustment

LED light integrated in
the machine head

height adjustable chuck
guard with electrical
switch

powerful motor for a
comfortable table
height adjustment

toothed rack with ball
bearings for easy table
rotation under heavy
loads

machine foot

- » manually trimmed and precisely finished
- » column support and base plate composed of one cast part for highest precision and stability

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DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

GB 32 / GB 33

GEARED HEAD DRILLING MACHINES

Geared Head Drilling Machine



PIC.: GB 32
automatical mechanical feed



PIC.: GB 33
electrical feed





















PIC.: Feed Circuit
(GB 32)

Description	GB 32	GB 33
drilling cap in steel	35 mm	35 mm
sleeve travel	180 mm	180 mm
spindle taper	MT 4	MT 4
spindle speeds	50 - 1.450 min ⁻¹	50 - 1.450 min ⁻¹
no. of speeds	18	18
automatic drilling feed	0,10 und 0,20 mm/rev	0,10 und 0,20 mm/rev
working range	350 mm	350 mm
table size	550 x 550 mm	550 x 550 mm
T-slot size (table)	16 mm	16 mm
T-slot number (table)	2 (diagonal)	2 (diagonal)
column diameter	150 mm	150 mm
distance spindle to table max.	700 mm	700 mm
distance spindle to foot max.	1.200 mm	1.200 mm
motor power	400 V / 0,85 kW / 1,5 kW	400 V / 0,85 kW / 1,5 kW
total height	2.250 mm	2.250 mm
dimensions (W x D x H)	650 x 900 x 2.250 mm	650 x 900 x 2.250 mm
weight	450 kg	470 kg
	GB 32	GB 33
EAN	4260364290196	4260364290202
Item No.	215 1132	215 1133

GB 32 / GB 33

- » heavy construction
- » lockable main switch and motor protection switch
- » 18 speeds shiftable by gear levers and 2-step driving motor
- » mechanical spindle feed with 2 speeds
- » automatic gear wheel lubrication
- » spindle locking with integrated drill ejection for easy tool change
- » height adjustable safety screen with micro switch providing best protection
- » high concentricity precision due to hardened and ground main spindle
- » large dimensioned, thick walled cast column for smooth running
- » large working range
- » massive tilting, rotating and inclinable work table (GB 33) with T-slots for 16 mm sliding blocks, precise surface finishing
- » large and massive base plate with T-slots, precise surface finishing
- » integrated coolant system and coolant tank
- » adjustable drill depth stop with millimeter scale on the front panel
- » LED working light
- » RÖHM quick-action drill chuck supplied as standard 3-16 mm

Optional Equipment

Description	Art.-No.	Description	Art.-No.
 Quick Action Drill Chuck RÖHM 1-13 mm	510 3013	 MS 125	120 0125
 Quick Action Drill Chuck RÖHM 3-16 mm	510 3016	 UPS 100	520 4010
 HSS Drill Bit Set	510 9013	 Morse Taper Drill Case 1	510 1423
 MSE 75	121 0075	 Morse Taper Drill Case 2	510 1430
 MSE 100	121 0100	 Morse Taper	-
 MSE 125	121 0125	 Reducing Sleeves	-
 MSE 150	121 0150	 Extension Sleeves	-
 MSI 100	121 2100	<p>You can find detailed equipment at page 259.</p>	
 MSI 140	121 2140		
 MSI 200	121 2200		
 MS 100	120 0100		

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

GB 50 V

GEARED HEAD DRILLING MACHINE

NEW





















Geared Head Drilling Machine

Description	GB 50 V
drilling cap in steel	50 mm
sleeve travel	240 mm
spindle taper	MT 4
spindle speeds	40 - 2.100 min ⁻¹
no. of speeds	12
automatic drilling feed	0,10 - 0,40 mm/rev
working range	370 mm
table size	600 x 500 mm
T-slot size (table)	14 mm
T-slot number (table)	2 (diagonal)
column diameter	200 mm
distance spindle to table max.	100 - 560 mm
distance spindle to foot max.	1.180 mm
motor power	400 V / 2,2 kW / 2,8 kW
total height	2.350 mm
dimension (W x D x H)	680 x 950 x 2.400 mm
weight	890 kg
	GB 50 V
EAN	4260364290219
Item No.	215 1250

GB 50 V

- » heavy construction
- » lockable main switch and motor protection switch
- » 12 speeds shiftable by gear levers
- » **threading attachment**
- » automatic gear wheel lubrication
- » spindle locking with integrated drill ejection for easy tool change
- » **automatic feed via electromagnetic coupling with 4 feed speeds**
- » height adjustable safety screen with micro switch providing best protection
- » high concentricity precision due to hardened and ground main spindle
- » large dimensioned, thick walled cast column for smooth running
- » large working range
- » massive tilting, rotating and inclinable work table with T-slots for 16 mm sliding blocks, precise surface finishing
- » large and massive base plate with T-slots, precise surface finishing
- » integrated coolant system and coolant tank
- » adjustable drill depth stop with millimeter scale on the front panel
- » LED working light
- » RÖHM quick-action drill chuck supplied as standard 3-16 mm

Optional Equipment

Description	Art.-No.	Description	Art.-No.
 Quick Action Drill Chuck RÖHM 1-13 mm	510 3013	 MS 125	120 0125
 Quick Action Drill Chuck RÖHM 3-16 mm	510 3016	 UPS 100	520 4010
 HSS Drill Bit Set	510 9013	 Morse Taper Drill Case 1	510 1423
 MSE 75	121 0075	 Morse Taper Drill Case 2	510 1430
 MSE 100	121 0100	 Morse Taper	-
 MSE 125	121 0125	 Reducing Sleeves	-
 MSE 150	121 0150	 Extension Sleeves	-
 MSI 100	121 2100	<p>You can find detailed equipment at page 259.</p>	
 MSI 140	121 2140		
 MSI 200	121 2200		
 MS 100	120 0100		

RB 40
RADIAL DRILLING MACHINE

NEW



Description	RB 40
drilling cap in steel	40 mm
sleeve travel	280 mm
spindle taper	MT 4
spindle speeds	32 - 2.500 min ⁻¹
speeds	16
automatic drilling feed	0,10 - 1,25 mm/rev
working range	300 - 1.300 mm
table size	600 x 450 x 450 mm
T-slot size (table)	18 mm
T-slot number (table)	5
column diameter	22 mm
distance spindle to table max.	3
distance spindle to foot max.	280 mm
motor power	300 - 1.120 mm
total height	400 V / 2,2 kW / 3 kW
dimension (W x D x H)	2.150 x 1.070 x 2.170 mm
weight	2.500 kg
	RB 40
EAN	4260364298192
Item No.	215 0040

RB 40

Very stable radial drilling machine with powerful drive, ergonomically designed for easy operation.

- » grounded and strong column
- » heavily ribbed boom
- » dice table machined on both sides with t-slots
- » control panel with function keys
- » LED-working light

Other sizes of the machine on request, our sales engineers will be happy to advise you.



Milling Machines

BFM 16 VARIO / BFM 20 VARIO BFM 20 L VARIO

DRILLING-MILLING MACHINES



PIC.: BFM 16 VARIO



PIC.: BFM 20 VARIO



PIC.: BFM 20 VARIO WITH
OPTIONAL STAND

Description	BFM 16 Vario	BFM 20 Vario	BFM 20 L Vario
drilling cap in steel	max. 16 mm	max. 16 mm	max. 16 mm
milling cap cutter head	max. 52 mm	max. 63 mm	max. 63 mm
milling cap end mill cutter	max. 16 mm	max. 20 mm	max. 20 mm
working range	175 mm	185 mm	185 mm
head rotation	±90°	±90°	±90°
spindle taper	MT 2	MT 2	MT 2
motor	variable speed	variable speed	variable speed
spindle speeds	50 - 2.500 min ⁻¹	50 - 2.250 min ⁻¹	50 - 2.250 min ⁻¹
sleeve travel	50 mm	50 mm	50 mm
table size	400 x 140 mm	500 x 180 mm	700 x 180 mm
right / left rotation	no	no	no
X-axis travel	220 mm	280 mm	480 mm
Y-axis travel	160 mm	175 mm	175 mm
Z-axis travel	210 mm	280 mm	280 mm
T-slot size (table)	10 mm	12 mm	12 mm
T-slot number (table)	3	3	2
motor power	230 V / 50 Hz / 600 Watt	230 V / 50 Hz / 750 Watt	230 V / 50 Hz / 750 Watt
dimensions (L x D x H)	550 x 530 x 760 mm	670 x 550 x 860 mm	770 x 550 x 860 mm
weight	68 kg	103 kg	115 kg
	BFM 16 Vario	BFM 20 Vario	BFM 20 L Vario
EAN	4260364290226	4260364290233	4260364290240
Item No.	235 1116	235 1120	235 1125

BFM 35 VARIO

DRILLING-MILLING MACHINES



PIC.: BFM 35 VARIO
WITH OPTIONAL STAND

Description	BFM 35 Vario
drilling cap in steel	max. 32 mm
milling cap cutter head	max. 80 mm
milling cap end mill cutter	max. 20 mm
working range	220 mm
head rotation	±90°
spindle taper	MT 3
motor	variable speed
spindle speeds	50 - 2.250 min ⁻¹
sleeve travel	75 mm
table size	700 x 210 mm
X-axis travel	425 mm
Y-axis travel	220 mm
Z-axis travel	370 mm
T-slot size (table)	14 mm
T-slot number (table)	2
motor power	230 V / 1,1 kW
dimensions (L x D x H)	1.120 x 1.100 x 1.100 mm
weight	260 kg

	BFM 35 Vario
EAN	4260364290257
Item No.	235 1135

BFM - Modelle

- » spindle feed via cross lever for drilling
- » fine adjustable crossfeed for milling
- » stepless electronically controlled drive
- » wide speed range
- » digital LED speed display
- » easy operating safety switch with low-voltage release and emergency stop
- » mechanical sleeve entry for drilling
- » hollow spindle with M 10 drawbar for tool holder (M12 for BFM 35 Vario)
- » massive and precisely finished cross table, large dimensioned
- » travel is readable on scales
- » adjustable wedges
- » versatile use of the machine
- » drilling/milling head rotating by ±90°
- » mechanical adjustable limit stops
- » solid dovetail slideway, providing highest stability and upmost precision
- » guiding protection by bellows (except model BFM 16 Vario)
- » right / left rotation (only model BFM 35 Vario)

OPTIONAL EQUIPMENT

- » Stand
- » HSS-end mill cutter kit
- » coolant system
- » collet chuck: MT 2 / MT 3
- » clamp kit: SPW 10 (BFM 20, BFM 20 L)
SPW 12 (BFM 35, BFM 45)
- » milling vices
- » hand wheels with digital display

	Description	Art.-No.
	Quick Action Drill Chuck RÖHM 1-13 mm	510 3013
	Quick Action Drill Chuck RÖHM 3-16 mm	510 3016
	HSS Drill Bit Set	510 9013
	MSE 75	121 0075
	MSE 100	121 0100
	MSE 125	121 0125
	MSE 150	121 0150

	BFM 20 Vario / BFM 20 L Vario stand	BFM 35 Vario stand
EAN	4260364293104	4260364293111
Item No.	535 0020	535 0035

BFM 45 PG / BFM 45 PG VARIO
BFM 45 PGV / BFM 45 PGDV DIGI
GEARED DRILLING-MILLING MACHINES



PIC.: BFM 45 PG VARIO



PIC.: BFM 45 PG
OPTIONAL WITH
STAND



PIC.: BFM 45 PGDV DIGI

Description	BFM 45 PG	BFM 45 PG Vario	BFM 45 PGV	BFM 45 PGDV DIGI
drilling cap in cast iron	50 mm	50 mm	50 mm	45 mm
drilling cap in steel	45 mm	45 mm	45 mm	32 mm
milling cap cutter head	max. 100 mm	max. 100 mm	max. 100 mm	max. 80 mm
end mill cap	max. 32 mm	max. 32 mm	max. 32 mm	max. 32 mm
threading in steel max.	M 12	M 12	M 12	M 12
working range	265 mm	265 mm	265 mm	265 mm
distance spindle to table max.	460 mm	460 mm	460 mm	460 mm
head movement	±90°	±90°	±90°	±90°
spindle taper	MT 4	MT 4	MT 4	MT 4
motor	2-steps	1-step	2-steps	2-steps
no. of speeds	12	stepless	12	12
mechanic automatic drilling feed	no	no	yes	yes
spindle speeds	95 - 3.200 min ⁻¹	75 - 3.200 min ⁻¹	95 - 3.200 min ⁻¹	75 - 3.200 min ⁻¹
sleeve travel	130 mm	130 mm	130 mm	120 mm
height adjustable mill head	410 mm	410 mm	410 mm	410 mm
table size	800 x 240 mm	800 x 240 mm	800 x 240 mm	800 x 240 mm
cross table movement	560 mm x 200 mm	560 x 200 mm	560 x 200 mm	560 x 190 mm
T-slot size (table)	14 mm	14 mm	14 mm	14 mm
T-slot number (table)	4	3	4	3
motor power	400 V / 1,3 kW / 1,8 kW	400 V / 1,5 kW	400 V / 1,3 kW / 1,8 kW	400 V / 0,85 kW / 1,1 kW
dimensions (L x D x H)	1.100 x 850 x 1.430 mm	1.160 x 980 x 1.520 mm	1.100 x 850 x 1.430 mm	1.220 x 930 x 2.110 mm
weight (netto)	330 kg	330 kg	350 kg	650 kg
	BFM 45 PG	BFM 45 PG Vario	BFM 45 PGV	BFM 45 PGDV DIGI
EAN	4260364290264	4260364294293	4260364290271	426036424316
Item No.	235 1145	235 1245	235 2145	235 3245

BFM 45 - MODELS

UNIVERSAL PRECISE-MILLING / DRILLING MACHINE

- » quenched gearwheels immersed running in oil (not at vario machines)
- » heavy cast iron construction
- » height adjustable through milling head
- » fine crossfeed of spindle sleeve when milling
- » large speed range
- » variable speed control (**BFM 45 PG Vario**)
- » 2-step motor
- » 12 speeds (BFM 45 PG, BFM 45 PGDV DIGI)
- » clockwise/anticlockwise rotation
- » easy operating safety switch with low-voltage release and emergency stop
- » high accurate spindle running due to taper roller bearings
- » mechanical feed of spindle sleeve for drilling via sleeve lever
- » thread cutting device
- » 3-stage vertical feed model: BFM 45 PGV und PGDV DIGI
- » drill depth stop
- » adjustable wedges
- » gear head rotation 90° to the right, 45° to the left
- » electrical head and table feed (BFM 45 PGDV DIGI only)

BFM 45 PG : manual feed
BFM 45 PG Vario : manual feed
BFM 45 PGV : automatic feed



Open control unit with thread cutting device

OPTIONAL EQUIPMENT

- » LED working light
- » HSS end mill cutter kit
- » coolant system
- » collet chuck MT 2
- » clamp kit SPW 12
- » milling vices
- » universal stand

	Stand
EAN	4260364293067
Item No.	535 1035

	Description	Art.-No.
	Quick Action Drill Chuck RÖHM 1-13 mm	510 3013
	Quick Action Drill Chuck RÖHM 3-16 mm	510 3016
	HSS Drill Bit Set	510 9013
	MSE 75	121 0075
	MSE 100	121 0100
	MSE 125	121 0125
	MSE 150	121 0150
	MSI 100	121 2100
	MSI 140	121 2140
	MSI 200	121 2200
	MS 100	120 0100

BFM 50 PG

GEARED DRILLING-MILLING MACHINE

Geared Drilling- Milling Machine



- OPTIONAL EQUIPMENT**
- » HSS end mill cutter kit
 - » collet chuck ISO 40
 - » clamp kit
 - » milling vices
 - » rotary tables

Description	BFM 50 PG
drilling cap in cast iron	50 mm
drilling cap in steel	35 mm
milling cap cutter head	max. 100 mm
end mill cap	max. 32 mm
threading in steel max.	up to M 16
working range	320 mm
distance spindle to table max.	275 mm
head rotation	90°
spindle taper	ISO 40
motor	2-steps
no. of speeds	8 speeds (4 speeds via transmission circuit and 2- speed motor)
spindle speeds rpm	115 / 230 / 290 / 360 / 580 / 720 / 875 / 1.750 min ⁻¹
sleeve travel	120 mm
height adjustable mill head	350 mm
table feed speeds	24 / 60 / 65 / 100 / 185 / 285 / 470 / 720 mm/min + additional overdrive
table size	800 x 240 mm
cross table movement	400 x 230 mm
T-slot size (table)	14 mm
T-slot number (table)	4
motor power	400 V / 850 Watt / 1,5 kW
dimensions (L x D x H)	1.175 x 870 x 2.100 mm
weight	560 kg
	BFM 50 PG
EAN	4260364290288
Item No.	235 1150

BFM 50 PG

UNIVERSAL MILLING / DRILLING MACHINE WITH TABLE FEED, COOLANT SYSTEM, LED WORKING LIGHT AND STAND.

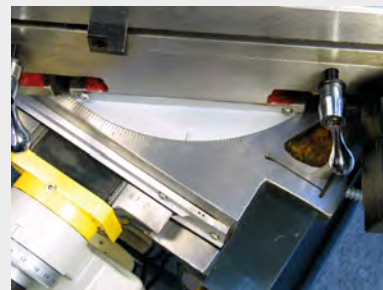
G geared head with solid dovetail slideway.
D dovetail slideway in all 3 axes, hand-scraped, providing highest stability and precision. Solid cast iron construction.

- » quenched gearwheels immersed running in oil
- » hollow spindle to clamp tools via M 16 drawbar
- » fine spindle crossfeed sleeve when milling
- » large speed range: 4 speeds by gear shaft plus 2 motor speeds
- » clockwise/anticlockwise rotation




















- » easy operating safety switch with low-voltage release and emergency stop
- » high accurate spindle running due to taper roller bearings
- » mechanical spindle feed for drilling via cross lever
- » coupling for changeover of manual coarse feed in hand-fine feed
- » drill depth stop
- » massive exact cross table, large dimensioned with precise surface finishing with adjustable wedges and rotatable by 45° to the left and right
- » automatic feed for the X-axis as standard (8 speeds)
- » coolant device
- » LED working light
- » gear head rotation +/-90°



Automatic feed for the X-axis as standard (8 speeds)



Cross Table rotatable by 45° to the left and right

Description	Art.-No.	Description	Art.-No.
 Quick Action Drill Chuck RÖHM 1-13 mm	510 3013	 MS 125	120 0125
 Quick Action Drill Chuck RÖHM 3-16 mm	510 3016	 UPS 100	520 4010
 HSS Drill Bit Set	510 9013	 Morse Taper Drill Case 1	510 1423
 MSE 75	121 0075	 Morse Taper Drill Case 2	510 1430
 MSE 100	121 0100	 Morse Taper	535 0028
 MSE 125	121 0125	 Reducing Sleeves	-
 MSE 150	121 0150	 Extension Sleeves	-
 MSI 100	121 2100	 Auffütterungshülsen	
 MSI 140	121 2140		
 MSI 200	121 2200		
 MS 100	120 0100		

You can find detailed equipment at page 259.

FM 50 S / FM 50 S DIGI GEARED DRILLING-MILLING MACHINE



PIC.: FM 50 S DIGI

OPTIONAL EQUIPMENT

- » HSS end mill cutter kit
- » collet chuck ISO 40
- » clamp kit SPW 12
- » milling vices
- » rotary tables

Machine is available on request with longer table and larger longitudinal path.

Description	FM 50 S	FM 50 S DIGI
drilling cap in cast iron	50 mm	50 mm
drilling cap in steel	35 mm	35 mm
milling cap cutter head	max. 100 mm	max. 100 mm
end mill cap	max. 32 mm	max. 32 mm
threading in steel max.	up to M 16	up to M 16
working range	170 bis 690	170 bis 690
distance spindle to table max.	340 mm	340 mm
spindle head rotation	90°	90°
spindle taper	ISO 40	ISO 40
motor	2-steps	2-steps
no. of speeds	8 speeds (4 speeds via transmission circuit and 2-speed motor)	8 speeds (4 speeds via transmission circuit and 2-speed motor)
spindle speeds rpm	115 / 230 / 290 / 360 / 580 / 720 / 875 / 1.750 min ⁻¹	115 / 230 / 290 / 360 / 580 / 720 / 875 / 1.750 min ⁻¹
sleeve travel	120 mm	120 mm
height adjustment cross table	350 mm	350 mm
table feed speeds	8 + overdrive	8 + overdrive
longitudinal table feed	24 / 40 / 65 / 100 185 / 285 / 470 / 720 mm/min + additional overdrive	24 / 40 / 65 / 100 185 / 285 / 470 / 720 mm/min + additional overdrive
table size	800 x 240 mm	800 x 240 mm
cross table movement	lengthwise (X): 360 mm, crosswise (Y): 200 mm, vertical (Z): 345 mm	lengthwise (X): 360 mm, crosswise (Y): 200 mm, vertical (Z): 340 mm
T-slot size (table)	14 mm	14 mm
T-slot number (table)	5	5
motor power	400 V / 850 Watt / 1,5 kW	400 V / 850 Watt / 1,5 kW
dimensions (L x D x H)	1.200 x 1.120 x 2060 mm	1.200 x 1.120 x 2060 mm
weight	770 kg	780 kg
	FM 50 S	FM 50 S DIGI
EAN	4260364290295	4260364290301
Item No.	235 2350	235 3350

FM 50 S / FM 50 S DIGI
PROFESSIONAL MILLING AND DRILLING MACHINE WITH TABLE FEED, COOLANT SYSTEM AND LED WORKING LIGHT.

Heavy cast iron construction. Geared head with solid dovetail slideway, dovetail slideway in all 3 axes, hand-scraped, providing highest stability and precision. A total of dovetail guides. Universal precision drilling and milling machines - solid cast design.

- » quenched gearwheels immersed running in oil
- » hollow spindle for tool clamping via M 16 drawbar
- » fine spindle crossfeed sleeve when milling
- » large speed range: 4 speeds by gear shaft plus 2 motor speeds
- » high accurate spindle running due to taper roller bearings
- » mechanical spindle feed for drilling via cross lever
- » drive coupling for shifting between rough and fine feed
- » drill depth stop
- » easy operating safety switch with low-voltage release and emergency stop
- » massive exact cross table, large dimensioned with precise surface finishing
- » cross table 45° to left and the right pivotable
- » forward and reverse for threading
- » automatic feed for the X-axis as standard (8 speeds)
- » cooling liquid facility
- » LED working light
- » gear head rotation +/-90°
- » FM 50 S DIGI: digital readout (LED) position + travel measurement















cross table rotatable 45° to the left and 45° to the right.



DIGI model with easy to operate LED display for precise position readout and measurement of travel distances. DIGI-Machines exclusive.

You can find detailed equipment at page 259.

Description	Art.-No.	Description	Art.-No.
 Shank Cutter Cartridge	535 1020	 Precision parallels	535 0028
 Milling vice FMS	-	 Mounting Set	-
 Milling vice FMSN	-	 Clamping Tool Set	-
 Milling vice FS 16-200	520 3070	 Morse Taper	-
 Morse Taper Drill Case 1	510 1423	 Reducing Sleeves	-
 Morse Taper Drill Case 2	510 1430	 Extensions Sleeves	-

UFM 80 DIGI UNIVERSAL DRILLING-MILLING MACHINE



OPTIONAL EQUIPMENT

- » HSS end mill cutter kit
- » collet chuck ISO 40
- » clamp kit SPW 12
- » milling vices
- » rotary tables

Description	UFM 80 DIGI
drilling cap in cast iron	50 mm
drilling cap in steel	35 mm
milling cap cutter head	max. 100 mm
end mill cap	max. 32 mm
threading in steel max.	up to M 16
working range	170 - 690 mm
distance spindle to table max.	360 mm
head movement	90°
spindle taper	ISO 40
motor	2-steps
no. of speeds	8 speeds
spindle speeds	115 / 230 / 290 / 360 / 580 / 720 / 875 / 1.750 min ⁻¹
cross table feed	60 - 1.350 min ⁻¹
sleeve travel	120 mm
height adjustment cross table	350 mm
table feed speeds X-axis	mechanical feed 8 + overdrive
table feed speeds Y-axis	electrical feed - variable speed + overdrive
longitudinal table feed	24 / 40 / 65 / 100 / 185 / 285 / 470 / 720 mm/min. + additional overdrive
table size	800 x 240 mm
cross table movement	lengthwise (X): 365 mm, crosswise (Y): 185 mm vertical (Z): 360 mm
T-slot size (table)	14 mm
T-slot number (table)	5
motor power	400 V / 850 Watt / 1,5 kW
dimensions (L x D x H)	1.200 x 1.120 x 2.060 mm
weight	970 kg
	UFM 80 DIGI
EAN	4260364290318
Item No.	235 3380

Machine is available on request with longer table and larger longitudinal path.

UFM 80 DIGI
INDUSTRIAL MACHINE FOR SINGLE AND SMALL BATCH PRODUCTION

Professional drilling and milling machine with horizontal and vertical spindle, longitudinal (X) and cross (Y) table feed, 3-axes digital readout system, coolant system and halogen working light. Geared head with solid dovetail slideway. Dovetail slideway in all 3 axes, hand-scraped, providing highest stability and precision.

- » quenched gearwheels immersed running in oil
- » hollow spindle for tool clamping by M 16 drawbar
- » fine spindle crossfeed sleeve when milling
- » large speed range: 4 speeds by gear shaft plus 2 motor speeds
- » mechanical spindle feed for drilling via cross lever

- » drive coupling for shifting between rough and fine feed
- » easy operating safety switch with low-voltage release and emergency stop
- » massive exact cross table, large dimensioned with precise surface finishing with adjustable wedges
- » cross table 45° to left and the right pivotable
- » standard table feeds: X-axis with 8 speeds, Y-axis stepless adjustable + rapid speed
- » cooling liquid facility
- » LED working light
- » gear head rotation +/-90°



DIGI model with easy to operate LED display for precise position readout and measurement of travel distances. DIGI-Machines exclusive.















Y-axis with stepless feed control



cross table rotation 45° to the left and right

You can find detailed equipment at page 259.

Description	Art.-No.	Description	Art.-No.
 Shank Cutter Cartridge	535 1020	 Precision parallels	535 0028
 Milling vice FMS	-	 Mounting Set	-
 Milling vice FMSN	-	 Clamping Tool Set	-
 Milling vice FS 16-200	520 3070	 Morse Taper	-
 Morse Taper Drill Case 1	510 1423	 Reducing Sleeves	-
 Morse Taper Drill Case 2	510 1430	 Extensions Sleeves	-

WFM 80 DIGI

TOOL MILLING MACHINE



PIC.: WFM 80 DIGI

WFM 80 DIGI TOOL MILLING MACHINE

Professional milling machine with vertical and horizontal spindle, table feed in X- and y-axis, as well as 3-axis digital device, coolant device and LED working light. Solid dovetail guide on the cross arm otherwise rectangular guides.

- » vertical milling head with spindle taper ISO 40 / DIN 2080, 60 mm quill stroke 90° rotatable on both sides.
- » hardened and grounded worktable 800 x 400 mm with T-slots 14 mm; Table load max 300 kg.
- » worktable, vertical milling head and boom are made of stress-free annealed quality cast iron, some with multiple ribs for better stability
- » mechanical safety handwheels with scale ring in all axes
- » ball screw in all 3 axes
- » automatic central lubrication

OPTIONAL EQUIPMENT

- » swivel table
- » table covering

Description	WFM 80 DIGI
table size	800 x 400 mm
travel	lengthwise (X): 500 mm crosswise (Y): 400 mm vertical (Z): 400 mm
table load	max. 300 kg
max. distance spindle- table	405 mm
spindle head swivel range	90°
spindle taper	ISO 40
no. of speeds	18 speeds
speeds of vertical spindle	40 - 2.000 min ⁻¹
speeds of horizontal spindle	40 - 2.000 min ⁻¹
sleeve stroke	60 mm
table height adjustment	400 mm
feed speed X-axis	(18) 10 - 1.000 mm/min
feed speed Y-axis	(18) 10 - 1.000 mm/min
feed speed Z-axis	(18) 10 - 1.000 mm/min
rapid traverse (X / Y / Z)	1.200 mm/min
t-slot size (table)	14 mm
t-slot number (table)	8
motor power	400 V / 50 Hz / 3,7 kW
dimensions (L x W x H)	1.650 x 1.770 x 1.880 mm
weight	1.550 kg
	WFM 80 DIGI
EAN	4260364295702
Item No.	245 3480

You can find detailed equipment at page 259.

DF 2 DIGI / DF 4 DIGI TOOL MILLING MACHINE



NEW

PIC.: DF 4 DIGI

DF 2 DIGI / DF 4 DIGI TOOL MILLING MACHINE

High quality and stable universal milling & drilling machine, with high precision, durability and maximum operating comfort.

- » vertical milling head with spindle taper ISO 40 / DIN 2080, 60 mm quill stroke
- 90° tiltable on both sides
- » hardened and grounded worktable with T-slots 14 mm.
- » mechanical safety handwheels with scale ring in all axes.
- » ball screw in all 3 axes.
- » automatic central lubrication.

STANDARD EQUIPMENT

- » 3-axis-digital readout system
- » cooling device
- » LED working light

OPTIONAL EQUIPMENT

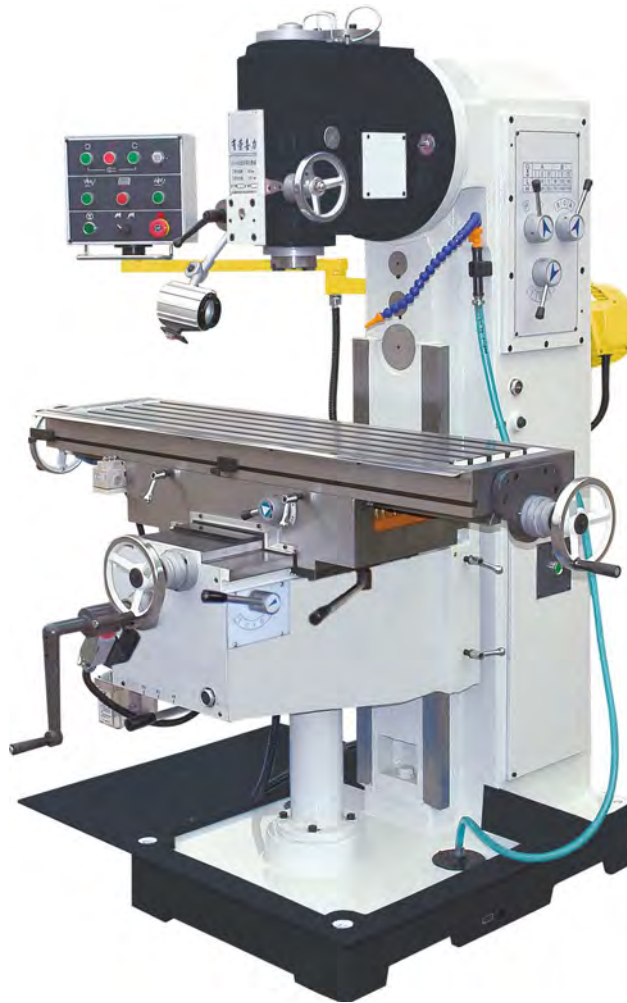
- » swivel table
- » table covering
- » speeds 48 - 3.800 min⁻¹
(just model **DF 4 Digi**)

Description	DF 2 DIGI	DF 4 DIGI
table size	750 x 320 mm	900 x 500 mm
travel	lengthwise (X): 400 mm crosswise (Y): 200 mm vertical (Z): 360 mm	lengthwise (X): 600 mm crosswise (Y): 480 mm vertical (Z): 360 mm
table load	max. 285 kg	max. 360 kg
max. distance spindle - table	450 mm	460 mm
spindle head swivel range	90°	90°
spindle taper	ISO 40	ISO 40
no. of speeds	12 speeds	18 speeds
speeds of vertical spindle	50 - 2.000 min ⁻¹	40 - 2.000 min ⁻¹
speeds of horizontal spindle	50 - 2.000 min ⁻¹	40 - 2.000 min ⁻¹
sleeve stroke	120 mm	120 mm
table height adjustment	360 mm	360 mm
feed speed X-axis	(18) 10 - 650 mm/min	(18) 10 - 650 mm/min
feed speed Y-axis	(18) 10 - 650 mm/min	(18) 10 - 650 mm/min
feed speed Z-axis	(18) 10 - 650 mm/min	(18) 10 - 650 mm/min
rapid traverse (X / Y / Z)	1.200 mm/min	1.200 mm/min
t-slot size (table)	14 mm	14 mm
t-slot number (table)	5	7
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 3,7 kW
dimensions (L x W x H)	1.180 x 1.450 x 1.800 mm	1.400 x 1.780 x 1.820 mm
weight	1.350 kg	1.770 kg
	DF 2 DIGI	DF 4 DIGI
EAN	4260364297881	4260364297898
Item No.	245 3475	245 3490

You can find detailed equipment at page 259.

VFM 95 / VFM 95 DIGI

VERTICAL MILLING MACHINE



PIC.: VFM 95
WITHOUT DRO

Vertical Milling Machine

VFM 95 / VFM 95 DIGI VERTICAL MILLING MACHINE

- » powerful vertical milling machine with gearbox
- » gear wheels hardened and ground
- » machine frame with particularly stable wide guides in all axes
- » +/- 30° swiveling, extremely stable milling head
- » manual spindle sleeve feed with fine adjustment
- » stepless variable feeds and rapid traverse at the table and console, standard with LED working light, coolant device and chip tray
- » digital display with 3-axis (only model VFM 95 DIGI)

Description	VFM 95	VFM 95 DIGI
working range	450 mm	450 mm
spindle taper	ISO 40	ISO 40
spindle speeds	12	12
speeds of vertical spindle	35 - 1.500 U/min	35 - 1.500 U/min
table feed speed	X,Y: 30 - 830 mm/min Z: 23 - 625 mm/min	X,Y: 30 - 830 mm/min Z: 23 - 625 mm/min
table overdrive	1.335/1.335/1.000 mm/min	1.335/1.335/1.000 mm/min
table size	1.270 x 300 mm	1.270 x 300 mm
travel	lengthwise 720 mm crosswise 300 mm vertical 400 mm	lengthwise 720 mm crosswise 280 mm vertical 400 mm
T-slot size (table)	14	14
T-slot number (table)	3	3
dimensions (L x D x H)	1.720 x 1.680 x 1.810 mm	1.720 x 1.680 x 1.810 mm
weight	1.500 kg	1.510 kg
	VFM 95	VFM 95 DIGI
EAN	4260364295719	4260364295726
Item No.	235 2495	235 3495

VHFM 95 / VHFM 95 DIGI

VERTICAL MILLING MACHINE



PIC.: VHFM 95
WITHOUT DRO

VHFM 95 / VHFM 95 DIGI VERTICAL MILLING MACHINE

- » vertical milling machine with horizontal spindle and vertical milling head
- » gear with hardened and ground gear wheels
- » machine frame with stable guides in all axes
- » table and consoles with stepless adjustable feeds and rapid traverse, standard with LED working light, coolant device and chip tray
- » digital display with 3-axis (only model VHFM 95 DIGI)

Description	VHFM 95	VHFM 95 DIGI
working range	285 mm	285 mm
spindle taper	ISO 40	ISO 40
spindle speeds	12	12
speeds of vertical spindle	35 - 1.500 U/min	35 - 1.500 U/min
table feed speed	X,Y: 30 - 830 mm/min Z: 23 - 625 mm/min	X,Y: 30 - 830 mm/min Z: 23 - 625 mm/min
table overdrive	1.335/1.335/1.000 mm/min	1.335/1.335/1.000 mm/min
table size	1.270 x 300 mm	1.270 x 300 mm
travel	lengthwise 900 mm crosswise 380 mm vertical 400 mm	lengthwise 900 mm crosswise 360 mm vertical 400 mm
T-slot size (table)	14	14
T-slot number (table)	3	3
dimensions (L x D x H)	1.720 x 1.680 x 1.730 mm	1.720 x 1.680 x 1.730 mm
weight	1.600 kg	1.610 kg
	VHFM 95	VHFM 95 DIGI
EAN	4260364295733	4260364295740
Item No.	235 2595	235 3595

UFM 100 DIGI

UNIVERSAL MILLING MACHINE



OPTIONAL EQUIPMENT

- » HSS end mill cutter kit
- » collet chuck ISO 40
- » clamp kit SPW 12
- » milling vices
- » rotary tables

For technical data check page 51.

UFM 100 DIGI

Professional milling machine with universal horizontal and vertical gear head spindle, longitudinal (X) and cross (Y) table feeds, 3-axes digital readout system, coolant system, LED working light. Solid, heavy cast iron body for vibrationless operations; with accurate, large and precise ground surface cross table. Geared head with solid dovetail slideway. Dovetail slideway in every 3 axes, hand-scraped, providing highest stability and precision. Multifunctional universal milling machine for production factories, toolmakers or work-shops. Precision universal milling machine for professional use at an economical price.

- » massive cast iron construction
- » milling head pivotable in any angle
- » smooth running ground and quenched gearwheels immersed in oil
- » toolclamping system with M16 screw
- » forward and reverse function, emergency stop
- » 11 speeds
- » large, precise cross table to use for longer and heavier work pieces

- » cross table electrically and mechanically adjustable
- » cross table with precise surface finishing with adjustable wedges
- » large dimensioned handwheels for fine scale adjustment
- » 2 table feeds as standard
- » X- and Y-axis with 9 speeds with mechanical feeds
- » cooling liquid facility
- » LED working light
- » central lubrication
- » steady fixture for horizontal milling
- » DRO for precise positioning and travel measurements
- » large chip tray
- » universal milling head swiveling 360°

You can find detailed equipment at page 259.



control panel for 11 spindle speeds



X- and Y-axes with 9 table speeds



DIGI model with easy to operate LED display for precise position readout and measurement of travel distances.

DIGI-Machines exclusive.

small figures to the right:

- 1.) easy to operate control panel with digital readout via swiveling arm
- 2.) tilting and swiveling milling head with chuck guard
- 3.) central lubrication
- 4.) control panel pivoting to the left and the right of the machine

You can find detailed equipment at page 259.

Descriptions	UFM 100 DIGI
horizontal mill cap	125 mm
vertical mill cap	28 mm
face mill cap	85 mm
end mill cap	16 mm
working range	570 mm
distance spindle to table	120 - 460 mm
distance spindle to table max.	0 - 440 mm
swivel of milling head	360°
spindle taper	ISO 40
no. of speeds	11
vertical spindle speeds	40 / 75 / 105 / 180 / 200 / 320 / 370 / 475 / 650 / 820 / 1.600 min ⁻¹
horizontal spindle speeds	40 / 75 / 105 / 180 / 200 / 320 / 370 / 475 / 650 / 820 / 1.600 min ⁻¹
longitudinal table feed (x)	24 / 42 / 55 / 74 / 98 / 132 / 170 / 230 / 402 mm/min
cross table feed (y)	24 / 42 / 55 / 74 / 98 / 132 / 170 / 230 / 402 mm/min
table size	1.120 x 260 mm
cross table movement	lengthwise (X): 620 mm, crosswise (Y): 250 mm vertical (Z): 440 mm
T-slot size (table)	14
T-slot number (table)	3
motor power	400 V / 2,2 kW (H: 750 W) (V: 500 W) (P: 100 W)
dimensions (L x D x H)	1.650 x 1.325 x 1.655 mm
weight	1.660 kg
UFM 100 DIGI	
EAN	4260364290325
Item No.	235 3310



UFM 200 DIGI

UNIVERSAL MILLING MACHINE



For technical data check page 53.

UFM 200 DIGI

Professional milling machine with universal horizontal and vertical gear head spindle, longitudinal (X) and cross (Y) table feeds, 3-axes digital readout system, coolant system, LED working light. Solid, heavy cast iron body for vibrationless operations; with accurate, large and precise ground surface cross table. Geared head with solid dovetail slideway. Dovetail slideway in every 3 axes, hand-scraped, providing highest stability and precision. Multifunctional universal milling machine for production factories, toolmakers or work-shops. Precision universal milling machine for professional use at an economical price.

- » massive cast iron construction
- » milling head pivotable in any angle
- » smooth running ground and quenched gearwheels immersed in oil
- » toolclamping system with M16 screw
- » forward and reverse function, emergency stop
- » 11 speeds
- » large, precise cross table to use for longer and heavier work pieces

- » cross table electrically and mechanically adjustable
- » cross table with precise surface finishing with adjustable wedges
- » large dimensioned handwheels for fine scale adjustment
- » 3 table feeds as standard
- » X- and Y-axis with 9 speeds with mechanical feeds
- » cooling liquid facility
- » LED working light
- » central lubrication
- » steady fixture for horizontal milling
- » DRO for precise positioning and travel measurements
- » large chip tray
- » universal milling head swiveling 360°
- » rotatable working table

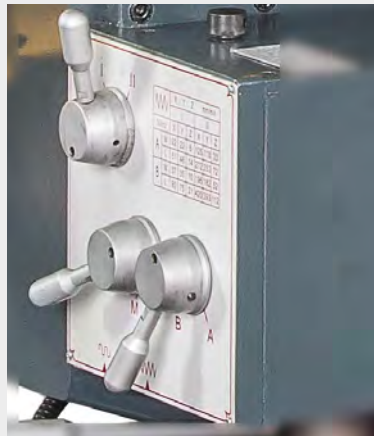
OPTIONAL EQUIPMENT

- » servo drive for all 3 axes

You can find detailed equipment at page 259.



control panel for 12 spindle speeds



X-, Y- and Z-axes with 8 table speeds

small figures to the right:

- 1.) easy to operate control panel with digital readout via swiveling arm
- 2.) tilting and swiveling milling head with chuck guard
- 3.) central lubrication
- 4.) control panel pivoting to the left and the right of the machine

Description	UFM 200 DIGI
horizontal mill cap	130 mm
vertical mill cap	100 mm
face mill cap	20 mm
working range	820 mm
distance spindle to table	560 mm
distance spindle to table max.	0 - 400 mm
swivel of milling head	360°
spindle taper	ISO 50
no. of speeds	12
vertical spindle speeds	60 / 80 / 113 / 154 / 206 / 292 / 358 / 478 / 679 / 925 / 1.230 / 1.750
horizontal spindle speeds	58 / 78 / 108 / 148 / 208 / 288 / 388 / 535 / 720 / 980 / 1.325 / 1.800
longitudinal table feed (X)	22 / 37 / 51 / 80 / 126 / 196 / 272 / 420
cross table feed (Y)	22 / 35 / 48 / 75 / 118 / 182 / 253 / 393
table feed speed (Z)	10 / 15 / 20 / 30 / 50 / 78 / 108 / 168
table size	1.330 x 370 mm
cross table movement	lengthwise (X): 1.000 mm crosswise (Y): 280 mm vertical (Z): 400 mm
T-slot size (table)	14 mm
T-slot number (table)	3
motor power	400 V / 4,0 kW
dimensions (L x D x H)	1.720 x 1.900 x 1.950 mm
weight	2.200 kg
	UFM 200 DIGI
EAN	4260364290332
Item No.	235 3320



DIGI model with easy to operate LED display for precise position readout and measurement of travel distances.
DIGI-Machines exclusive.



VFM 240 / VFM 240 DIGI

VERTICAL MILLING MACHINE



PIC.: VFM 240
WITHOUT DRO

VFM 240 / VFM 240 DIGI

VERTICAL MILLING MACHINE WITH FIXED BED UNDER THE CROSS TABLE

Very stable bed milling machine for large workpieces and heavy chipping. Generous sized heavy cast frame and pillar with extremely wide flat guides. Stability and lower vibrations lead to more precision with high table load capacity. Hardened and grounded guides in all axis guides guarantee long-term accuracy.

- » milling head can be swiveled +/- 90° sideways
- » additionally with extendable sleeve, ISO 50 spindle taper
- » gear drive with 12 speeds
- » handwheels for exact adjustment with fine scaling
- » feed in X-, Y- and Z-axis and rapid traverse standard
- » coolant device
- » LED working light

VFM 240 DIGI with user-friendly digital position measuring system for exact display of the travel including possibilities of the coordinate specification, hole circle pattern calculation, storage for 10 tools and conversion mm / inch.

Description	VFM 240	VFM 240 DIGI
working range	105 mm	105 mm
distance spindle to table max.	600 mm	600 mm
swivel of milling head	±30°	±30°
spindle taper	ISO 50	ISO 50
motor	7,5 kW	7,5 kW
no. of speeds	12	12
vertical spindle speeds	66 - 1.440 U/min	66 - 1.440 U/min
quill stroke	105 mm	105 mm
table speeds	20 - 2.000 mm/min	20 - 2.000 mm/min
table overdrive	3.100 mm/min	3.100 mm/min
table size	2.000 x 400 mm	2.000 x 400 mm
max. table load	max. 2.000 kg	max. 2.000 kg
travel	lengthwise 1.500 mm crosswise 620 mm vertical (milling head) 550 mm	lengthwise 1.500 mm crosswise 620 mm vertical (milling head) 550 mm
T-slot size (table)	18	18
T-slot number (table)	5	5
dimensions (L x D x H)	2.420 x 2.340 x 3.000 mm	2.420 x 2.340 x 3.000 mm
weight	4.500 kg	4.500 kg
	VFM 240	VFM 240 DIGI
EAN	4260364295757	4260364295764
Item No.	235 2424	235 3424

VHFM 240 / VHFM 240 DIGI

VERTICAL MILLING MACHINE



PIC.: VHFM 240
WITHOUT DRO

VHFM 240 / VHFM 240 DIGI VERTICAL MILLING MACHINE WITH FIXED BED UNDER THE CROSS TABLE

Very stable bed milling machine for large workpieces and heavy chipping. Generous sized heavy cast frame and pillar with extremely wide flat guides. Stability and lower vibrations lead to more precision with high table load capacity. Hardened and grounded guides in all axis guides guarantee long-term accuracy.

- » milling head with vertical and horizontal spindle
- » ISO 50 spindle taper
- » gear drive with 12 speeds
- » handwheels for exact adjustment with fine scaling
- » feed in X-, Y- and Z-axis and rapid traverse standard
- » coolant device
- » LED working light

VHFM 240 DIGI with user-friendly digital position measuring system for exact display of the travel including possibilities of the coordinate specification, hole circle pattern calculation, storage for 10 tools and conversion mm / inch.

Description	VHFM 240	VHFM 240 DIGI
working range	50 mm	50 mm
distance spindle to table ax.	450 mm	450 mm
swivel of milling head	-	-
spindle taper	ISO 50	ISO 50
motor	7,5 kW	7,5 kW
no. of speeds	18	18
vertical spindle speeds	42 - 1.290 U/min	42 - 1.290 U/min
quill stroke	-	-
table speeds	20 - 2.000 mm/min	20 - 2.000 mm/min
table overdrive	2.500 mm/min	2.500 mm/min
table size	2.000 x 400 mm	2.000 x 400 mm
max. table load	2.000 kg	2.000 kg
travel	lengthwise 1.500 mm crosswise 620 mm vertical (milling head) 680 mm	lengthwise 1.500 mm crosswise 620 mm vertical (milling head) 680 mm
T-slot size (table)	18	18
T-slot number (table)	3	3
dimensions (L x D x H)	2.420 x 2.340 x 3.300 mm	2.420 x 2.340 x 3.300 mm
weight	4.500 kg	4.500 kg
	VHFM 240	VHFM 240 DIGI
EAN	4260364295771	4260364295788
Item No.	235 2524	235 3524

HFM 1560 / HFM 2060 HFM 2580 / HFM 3080 BED-TYPE MILLING MACHINES

NEW



PIC.: HFM 3080

HFM 1560 / HFM 2060 / HFM 2580 / HFM 3080 BED-TYPE MILLING MACHINE

Milling machine with mechanical gear, horizontal milling spindle and large work table for machining heavy workpieces. Machine bed, table and column made of high-quality cast iron. Large rectangular guides with telescopic covers.

OPTIONAL EQUIPMENT

- » digital readout system
- » machine vice
- » coolant device
- » clamping device

Description	HFM 1560	HFM 2060	HFM 2580	HFM 3080
max distance spindle table	750 mm	750 mm	1.000 mm	1.000 mm
spindle taper	ISO 50	ISO 50	ISO 50	ISO 50
motor	7,5 kW	7,5 kW	7,5 kW	7,5 kW
no. of speeds	6	6	6	6
speeds	82 - 505 U/min	82 - 505 U/min	82 - 505 U/min	82 - 505 U/min
spindle swivelling	±35°	±35°	±35°	±35°
vertical feed	stepless	stepless	stepless	stepless
horizontal milling head travel	350 mm	350 mm	350 mm	350 mm
table speeds	stepless	stepless	stepless	stepless
rapid traverse	1.400 mm/min	1.400 mm/min	1.400 mm/min	1.400 mm/min
table drive	2,2 kW	2,2 kW	2,2 kW	2,2 kW
table size	1.500 x 630 mm	2.000 x 630 mm	2.500 x 800 mm	3.000 x 800 mm
max. table load	1.500 kg	1.500 kg	2.000 kg	2.000 kg
travel	1.500 mm	2.000 mm	2.500 mm	3.000 mm
T-slot size (table)	22 mm	22 mm	22 mm	22 mm
T-slot number (table)	5	5	5	5
dimensions (L x D x H)	4.600 x 2.200 x 2.300 mm	5.300 x 2.200 x 2.300 mm	6.000 x 2.200 x 2.600 mm	6.700 x 2.200 x 2.600 mm
weight	3.200 kg	3.800 kg	5.200 kg	6.600 kg
	HFM 1560	HFM 2060	HFM 2580	HFM 3080
EAN	4260364298208	4260364298215	4260364298222	4260364298239
Item No.	235 1560	235 2060	235 2580	235 3080



Turning Machines

TU 1803 VARIO / TU 2004 VARIO

STEPLESS LATHE MACHINES

Das Original
Epple Maschinen®



PIC.: TU 1803 VARIO WITH
OPTIONAL STAND

TU 1803 VARIO / TU 2004 VARIO

- » series in a modern design
- » stepless speed adjustment and digital speed display
- » hardened spindle nose
- » true running accuracy < 0,015 mm measured in the spindle nose
- » wide bed, inductively hardened
- » lead screw cover for a long lifespan
- » emergency stop with undervoltage release
- » standard with right/left rotation switch
- » handwheels with fine scaling

INCLUDED

- » 3-jaw chuck 100 mm
- » 2 solid tips
- » operating tool
- » face plate 225 mm
- » chip tray
- » splashback
- » 4-fold steel holder
- » change gear set
- » lathe chuck protection

Description	TU 1803 Vario	TU 2004 Vario
turning Ø over machine bed	Ø 180 mm	Ø 210 mm
turning-Ø over compound sleds	Ø 120 mm	Ø 210 mm
centre width	300 mm	400 mm
centre height	90 mm	105 mm
bed width	100 mm	100 mm
spindle bore	Ø 21 mm	Ø 21 mm
spindle taper	MT 3	MT 3
3-jaw chuck	Ø 100 mm	Ø 100 mm
spindle speed	125 - 2.500 min ⁻¹	150 - 2.500 min ⁻¹
top slide - travel	75 mm	75 mm
compound slide - travel	85 mm	85 mm
pitch - metric	0,5 - 3,0	0,5 - 3,0
pitch - inch	10 - 44 Gg/inch	10 - 44 Gg/inch
pinole diameter	Ø 25 mm	Ø 25 mm
tailstock sleeve travel	60 mm	60 mm
tailstock taper absorption	MT 2	MT 2
motor power	600 Watt / 50 Hz / 230 V	600 Watt / 50 Hz / 230 V
dimensions (L x D x H)	740 x 390 x 310 mm	840 x 390 x 370 mm
weight	45 kg	50 kg
	TU 1803 Vario	TU 2004 VARIO
EAN	4260364295795	4260364295801
Item No.	246 1813	246 2014

TU 2406 / TU 2406 VARIO

STEPLESS LATHE MACHINES

**Das Original
Epple Maschinen®**



PIC.: TU 2406 VARIO WITH
OPTIONAL STAND

TU 2406 / TU 2406 VARIO

- » series in a modern design
- » stepless speed adjustment and digital speed display
- » hardened spindle nose
- » true running accuracy < 0,015 mm measured in the spindle nose
- » wide bed, inductively hardened
- » lead screw cover for a long lifespan
- » emergency stop with undervoltage release
- » standard with right/left rotation switch
- » handwheels with fine scaling

INCLUDED

- » 3-jaw chuck 125 mm
- » 2 solid tips
- » operating tool
- » face plate 225 mm
- » chip tray
- » splashback
- » 4-fold steel holder
- » change gear set
- » lathe chuck protection

Description	TU 2406	TU 2406 VARIO
turning-Ø over machine bed	Ø 250 mm	Ø 250 mm
turning-Ø over compound sleds	Ø 150 mm	Ø 150 mm
centre width	550 mm	550 mm
centre height	125 mm	125 mm
bed width	134 mm	134 mm
spindle bore	Ø 26 mm	Ø 26 mm
spindle taper	MT 4	MT 4
3-jaw chuck	Ø 125 mm	Ø 125 mm
spindle speed	125 - 2.000 min ⁻¹	30 - 4.000 min ⁻¹
top slide - travel	75 mm	75 mm
compound slide - travel	85 mm	85 mm
pitch - metric	0,2 - 3,5	0,2 - 3,5
pitch - inch	8 - 56 Gg/inch	8 - 56 Gg/inch
pinole diameter	Ø 30 mm	Ø 30 mm
tailstock sleeve travel	70 mm	70 mm
tailstock taper absorption	MT 2	MT 2
motor power	550 Watt / 50 Hz / 230 V	850 Watt / 50 Hz / 230 V
dimensions (L x D x H)	1.110 x 500 x 500 mm	1.110 x 500 x 500 mm
weight	140 kg	140 kg
	TU 2406	TU 2406 VARIO
EAN	4260364295818	4260364295825
Item No.	246 2406	246 2416

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

TU 2506 / TU 2506 VARIO

STEPLESS LATHE MACHINES

**Das Original
Epple Maschinen®**



PIC.: TU 2506 VARIO
WITH OPTIONAL STAND

TU 2506 / TU 2506 VARIO

- » series in a modern design
- » stepless speed adjustment and digital speed display
- » hardened spindle nose
- » true running accuracy < 0,015 mm measured in the spindle nose
- » wide bed, inductively hardened
- » lead screw cover for a long lifespan
- » emergency stop with undervoltage release
- » standard with right/left rotation switch
- » handwheels with fine scaling

INCLUDED

- » 3-jaw chuck 125 mm
- » 2 solid tips
- » operating tool
- » face plate 225 mm
- » chip tray
- » splashback
- » 4-fold steel holder
- » change gear set
- » lathe chuck protection

Description	TU 2506	TU 2506 VARIO
turning- Ø over machine bed	Ø 250 mm	Ø 250 mm
turning-Ø over compound sleds	Ø 150 mm	Ø 150 mm
centre width	550 mm	550 mm
centre height	125 mm	125 mm
bed width	134 mm	134 mm
spindle bore	Ø 26 mm	Ø 26 mm
spindle taper	MT 4	MT 4
3-jaw chuck	Ø 125 mm	Ø 125 mm
spindle speed	125 - 2.000 min ⁻¹	30 - 4.000 min ⁻¹
top slide - travel	75 mm	75 mm
compound slide - travel	85 mm	85 mm
pitch - metric	0,2 - 3,5	0,2 - 3,5
pitch - inch	8 - 56 Gg/inch	8 - 56 Gg/inch
pinole diameter	Ø 30 mm	Ø 30 mm
tailstock sleeve travel	70 mm	70 mm
tailstock taper absorption	MT 2	MT 2
motor power	550 Watt / 50 Hz / 230 V	850 Watt / 50 Hz / 230 V
dimensions (L x D x H)	1.110 x 500 x 500 mm	1.110 x 500 x 500 mm
weight	140 kg	140 kg
	TU 2506	TU 2506 VARIO
EAN	4260364295832	4260364295849
Item No.	246 2506	246 2516

TU 2807 / TU 2807 VARIO TU 3018 / TU 3018 VARIO

STEPLESS LATHE MACHINES

**Das Original
Epple Maschinen®**



PIC.: TU 3018 VARIO
WITH OPTIONAL STAND

TU 2807 / TU 2807 VARIO TU 3018 / TU 3018 VARIO

- » series in a modern design
- » stepless speed adjustment and digital speed display
- » hardened spindle nose
- » true running accuracy < 0,015 mm measured in the spindle nose
- » wide bed, inductively hardened
- » crossfeed (TU 3018 (Vario))
- » longitudinal feed (TU 2807 (Vario) / TU 3018 (Vario))
- » lead screw cover for a long lifespan
- » emergency stop with undervoltage release
- » standard with right/left rotation switch
- » handwheels with fine scaling

INCLUDED

- » 3-jaw chuck 125 / 160 mm
- » 2 solid tips
- » operating tool
- » face plate 225 mm
- » chip tray
- » splashback
- » 4-fold steel holder
- » change gear set
- » lathe chuck protection

Description	TU 2807	TU 2807 VARIO	TU 3018	TU 3018 VARIO
turning-Ø over machine bed	Ø 280 mm	Ø 290 mm	Ø 300 mm	Ø 300 mm
turning-Ø over compound sleds	Ø 170 mm	Ø 175 mm	Ø 180 mm	Ø 180 mm
centre width	700 mm	700 mm	800 mm	800 mm
centre height	140 mm	145 mm	150 mm	150 mm
bed width	180 mm	180 mm	182 mm	182 mm
spindle bore	Ø 26 mm	Ø 26 mm	Ø 38 mm	Ø 38 mm
spindle taper	MT 4	MT 4	MT 5	MT 5
3-jaw chuck	Ø 125 mm	Ø 125 mm	Ø 160 mm	Ø 160 mm
spindle speed	150 - 2.000 min ⁻¹	150 - 2.000 min ⁻¹	150 - 2.000 min ⁻¹	30 - 3.000 min ⁻¹
top slide - travel	60 mm	60 mm	65 mm	65 mm
compound slide - travel	140 mm	145 mm	180 mm	180 mm
pitch - metric	0,2 - 3,5 U/mm	0,2 - 3,5 U/mm	0,2 - 3,5 U/mm	0,2 - 3,5 U/mm
pitch - inch	8 - 56 U/inch	8 - 56 U/inch	8 - 56 U/inch	8 - 56 U/inch
pinole diameter	Ø 30 mm	Ø 30 mm	Ø 38 mm	Ø 38 mm
tailstock sleeve travel	105 mm	105 mm	70 mm	70 mm
tailstock taper absorption	MT 2	MT 2	MT 3	MT 3
motor power	850 Watt / 50 Hz / 230 V	1,1 kW / 50 Hz / 230 V	1,5 kW / 50 Hz / 230 V	2,2 kW / 50 Hz / 230 V
dimensions (L x D x H)	1.220 x 660 x 560 mm	1.220 x 660 x 560 mm	1.420 x 705 x 575 mm	1.420 x 705 x 575 mm
weight	202 kg	210 kg	260 kg	260 kg
	TU 2807	TU 2807 VARIO	TU 3018	TU 3018 VARIO
EAN	4260364295856	4260364295863	4260364295870	4260364295887
Item No.	246 2807	246 2817	246 3008	246 3018

MD 300-910 / MD 300-910 DIGI

PRECISION GEARED LATHE MACHINE



PIC.: MD 300-910

For technical data check page 63.

MD 300-900 / MD 300-910 DIGI IDEAL FOR EVERY WORKSHOP AND CRAFTSMEN

- » hardened and precisely ground guideways
- » camlock spindle holder D 1-4"
- » precision gearbox lathe running in oil bath - gear drive feed shaft, lead shaft and stem
- » smooth running by hardened and precision-ground gear, hardened and grounded gearwheels and shafts, running in precision bearings in oil bath
- » smooth-running gear shaft, running in oil bath
- » the running accuracy of the spindle nose < 0,015 mm
- » emergency stop and motor protection
- » cover for leading spindle
- » instep protector at the top slide
- » control report
- » apron wheels running in oil bath
- » main spindle with D 1-4" absorption, spindle bore 38 mm, held by 2 adjustable with precision tapered roller bearings
- » smooth running main spindle gearwheels
- » slide guideways with adjustable V-ledges
- » stabile, heavy ripped prismatic bed, double prism guide, bed out of grey iron, hardened and grounded
- » neoprene strips to protect the guideways
- » right and left rotation shift able at the lathe slide by stem

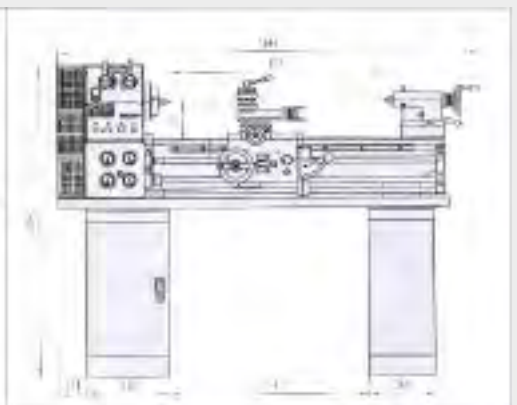
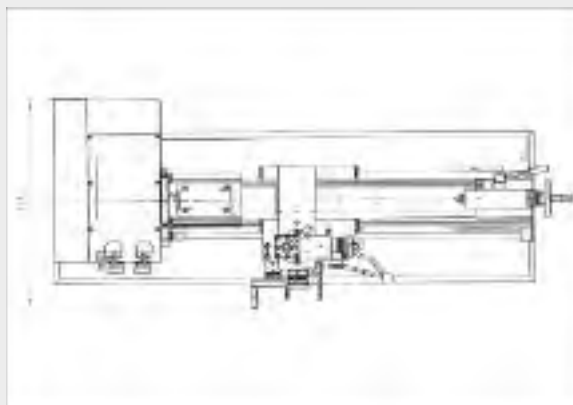
OPTIONAL EQUIPMENT

- » levelling feet M12
- » coolant emulsion
- » turning tool 12 mm
- » quick change tool holder Multifix "A" (5-pcs.)

INCL. LED LIGHTNING,
COOLANT SYSTEM



**HEADSTOCK
CONTROL**



MD 300-900 / MD 300-910 DIGI

INCLUDED

- » digital readout model MD 300-910 DIGI
- » flexible LED machine light
- » coolant system
- » 160 mm 3-jaw chuck
- » 200 mm 4-jaw chuck
- » jaws individually adjustable
- » face plate
- » fixed steady
- » travelling steady
- » thread dial indicator
- » 2 centering points
- » chip tray
- » rear splash guard
- » operating tools
- » foot brake
- » substructure
- » removable bridge
- » electrically pulse button
- » jaw chuck with security switch
- » 4-way indexing toolpost
- » changewheels

Description	MD 300-910	MD 300-910 DIGI
centre width	900 mm	900 mm
centre height	165 mm	165 mm
max swing in gap	215 mm	215 mm
spindle hole	38 mm	38 mm
spindle taper	MT 5	MT 5
tailstock taper	MT 3	MT 3
speeds	18	18
speed	65 - 1.810 min ⁻¹	65 - 1.810 min ⁻¹
longitudinal feed	0,053 - 1,291 mm/U	0,053 - 1,291 mm/U
cross feed	0,011 - 0,276 mm/U	0,011 - 0,276 mm/U
metric - thread	0,4 - 7 mm	0,4 - 7 mm
inch - thread	4 - 60 Gg/1"	4 - 60 Gg/1"
top slide - travel	85 mm	85 mm
compound slide - travel	150 mm	150 mm
3-jaw chuck, diameter	160 mm	160 mm
4-jaw chuck, diameter	200 mm	200 mm
face plate, diameter	255 mm	255 mm
motor power	400 V / 1,5 kW	400 V / 1,5 kW
dimensions (L x D x H)	1.550 x 630 x 570 mm	1.550 x 630 x 800 mm
dimensions with stand (L x L x H)	1.550 x 630 x 1.270 mm	1.550 x 630 x 1.500 mm
weight	450 kg	460 kg
	MD 300-910	MD 300-910 DIGI
EAN	4260364290394	4260364290400
Item No.	245 0300	245 1300

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

MD 360-1.000 / MD 360-1.000 DIGI MD 360-1.000 S DIGI

PRECISION LATHE MACHINES



PIC.: MD 360-1.000 DIGI

Description	MD 360-1.000	MD 360-1.000 DIGI	MD 360-1.000 S DIGI
centre width	1.000 mm	1.000 mm	1.000 mm
centre height	180 mm	180 mm	180 mm
max swing in gap	280 mm	280 mm	280 mm
spindle hole	38 mm	38 mm	38 mm
spindle taper	MT 5	MT 5	MT 5
tailstock taper	MT 3	MT 3	MT 3
speeds	16	16	stepless
speed	45 - 1.800 min ⁻¹	45 - 1.800 min ⁻¹	40 - 400 min ⁻¹ 220 - 1.800 min ⁻¹
longitudinal feed	0,043 - 0,653 mm/U	0,043 - 0,653 mm/U	0,043 - 0,653 mm/U
cross feed	0,015 - 0,211 mm/U	0,015 - 0,211 mm/U	0,015 - 0,211 mm/U
metric - thread	0,4 - 7 mm/U	0,4 - 7 mm/U	0,4 - 7 mm/U
inch - thread	4 - 70 TPI	4 - 70 TPI	4 - 70 TPI
diametric threads	8 - 144 D.P.	8 - 144 D.P.	8 - 144 D.P.
module threads	0,25 - 3,5 mm	0,25 - 3,5 mm	0,25 - 3,5 mm
top slide - travel	95 mm	95 mm	95 mm
compound slide - travel	180 mm	180 mm	180 mm
3-jaw chuck, diameter	200 mm	200 mm	160 mm
4-jaw chuck, diameter	200 mm	200 mm	200 mm
face plate, diameter	300 mm	300 mm	300 mm
motor power	400 V / 1,5 kW / 2,4 kW	400 V / 1,5 kW / 2,4 kW	400 V / 4,5 kW
dimensions with stand (L x D x H)	1.920 x 750 x 1.500 mm	1.920 x 750 x 1.800 mm	1.920 x 750 x 1.800 mm
weight	700 kg	710 kg	730 kg
	MD 360-1.000	MD 360-1.000 DIGI	MD 360-1.000 S DIGI
EAN	4260364290417	4260364290424	4260364290431
Item No.	245 0180	245 1180	245 2180

**MD 360-1.000 / MD 360-1.000 DIGI /
MD 360-1.000 S DIGI**

Suitable for production, workshops, toolroom and educational purposes. Lathe MD 360-1.000 DIGI comes with a 3-axis digital readout unit. Modern, high quality precision lathe running in oil bath - gear drive feed shaft, lead shaft and stem, camlock-absorption, induction-hardened machine bed.

- » hardened and precise ground guideways
- » camlock spindle socket D 1-5"



PIC.: DIGITAL READOUT SYSTEM

- » smooth running by hardened and precision-ground gear, hardened and grounded gearwheels and shafts, running in precision bearings in oil bath
- » smooth-running gearshift, running in oil bath
- » spindle nose runout < 0,015 mm
- » changewheels in lock case running in oil bath
- » main spindle with camlock D 1-5", spindle bore 38 mm with 2 high precision adjustable precision tapered bearings
- » smooth running main spindle gear wheel
- » slide guideways with adjustable V-ledges
- » stabile, heavy ripped prismatic bed, double prism guide, bed out of grey iron, hardened and grounded
- » scrapers to protect the guideways
- » right and left rotation shift able at the lathe slide by stem
- » emergency stop, lockable main switch and motor protection
- » lead screw protection
- » LED working light
- » mechanical foot brake
- » control report
- » **model: MD 360-1.000 S DIGI with variable speed adjustment**
- » manufactured according to DIN 8606

OPTIONAL EQUIPMENT

- » quick change toolpost "type B" (5-pcs.)
- » machine feet M12
- » coolant fluid
- » cutting tools 16 mm with reversing plates



INCLUDED

- » digital readout (MD 360-1.000 Digi and MD 360-1.000 S Digi)
- » coolant system
- » LED working light
- » installed machine base
- » installed splash guards
- » changewheels
- » removeable bridge
- » foot brake
- » jaw chuck shelter with safety switch
- » 3-jaw chuck 200 mm, central clamping
- » 4 jaw chuck 200 mm, individually adjustable jaws
- » face plate Ø 300 mm
- » fixed steady
- » travelling steady
- » threading gauge for multi blade thread
- » fixing center point MT 3, rotating center point MT 3, adapter sleeve MT 5 to MT 3
- » 4-way toolholder
- » operating tool

You can find detailed equipment at page 259.

TU 4210 / TU 4210 DIGI HEAVY DUTY CENTRE LATHE MACHINE



PIC.: TU 4210 DESIGN FROM 2016
ACTUAL DESIGN AT PAGE 68

Description	TU 4210	TU 4210 DIGI
centre width	1.000 mm	1.000 mm
centre height	205 mm	205 mm
max swing in gap	580 mm	580 mm
spindle hole	52 mm	52 mm
spindle taper	MT 6	MT 6
tailstock taper	MT 4	MT 4
speeds	16	16
speed	45 - 1.800 min ⁻¹	45 - 1.800 min ⁻¹
longitudinal feed	0,05 - 1,7 mm/U	0,05 - 1,7 mm/U
cross feed	0,025 - 0,85 mm/U	0,025 - 0,85 mm/U
metric - thread	0,2 - 14 mm/U	0,2 - 14 mm/U
inch - thread	2 - 72 Gg/1"	2 - 72 Gg/1"
diametric thread	8 - 44 D.P.	8 - 44 D.P.
module thread	0,3 - 3,5 mm	0,3 - 3,5 mm
top slide - travel	140 mm	140 mm
compound slide - travel	210 mm	210 mm
3-jaw chuck, diameter	200 mm	200 mm
4-jaw chuck, diameter	300 mm	300 mm
face plate, diameter	300 mm	300 mm
motor power	400 V / 4,5 kW	400 V / 4,5 kW
dimensions with stand (L x D x H)	2.025 x 915 x 1.375 mm	2.025 x 915 x 1.375 mm
weight	1.300 kg	1.310 kg
	TU 4210	TU 4210 DIGI
EAN	4260364295894	4260364295900
Item No.	245 0421	245 2420

INCLUDED

- » **3-jaw chuck 200 mm**
- » **quick-change toolpost "type B" mounted (5-pcs.)**
- » 4-jaw chuck 300 mm
- » faceplate 350 mm
- » reducing sleeve MT 6 / MT 4
- » 2 fixing centres MT 4
- » steady and follow rest
- » spindle brake
- » coolant system
- » halogen machine light
- » LED working stand
- » splash guard
- » chuck guard with safety switch
- » thread clock
- » set of changewheels
- » operation tools

TU 4210 / TU 4210 DIGI

- » strong and warp resistant construction of the stand and machine bed, made of one piece from cast iron, vibration-absorbing
- » 2-step-motor
- » hardened and ground bed slideways
- » large dimensioned machine bed
- » guideways have adjustable V-ledges
- » central lubrication in bed slide
- » right / left rotation shiftable at bed slide
- » detachable bed insert for machining of large work pieces
- » adjustable tailstock for producing tapers
- » accurate spindle runout < 0,015 mm at spindle nose
- » enclosed gear feed, gear wheels and shafts are hardened and ground
- » clearly arranged control panel with a strong selection levers for speed selection
- » changewheel gears in oil bath with hardened and ground toothed gear wheels
- » hand wheels with adjustable fine scale
- » main spindle hardened and ground, running on taper bearings in oil bath
- » longitudinal feed, detachable by dint of 4 adjustable actuating cams
- » mechanical spindle foot brake
- » lead screw cover
- » control report
- » manufactured according to standard "DIN 8606"

OPTIONAL EQUIPMENT

- » machine feet M16 industrial version
- » coolant emulsion

Incl. Quick Change Tool Holder "type B" mounted (5-pcs.)



PIC.: DRO OF TU 4210 DIGI

TU 4610 / TU 4610 DIGI
TU 4615 / TU 4615 DIGI

HEAVY DUTY CENTRE LATHE MACHINES



PIC.: TU 4615 DIGI

Description	TU 4610	TU 4610 DIGI	TU 4615	TU 4615 DIGI
centre width	1.000 mm	1.000 mm	1.500 mm	1.500 mm
centre height	230 mm	230 mm	230 mm	230 mm
max swing in gap	690 mm	690 mm	690 mm	690 mm
max swing over support	285 mm	285 mm	285 mm	285 mm
spindle hole	58 mm	58 mm	58 mm	58 mm
tailstock taper	MT 4	MT 4	MT 4	MT 4
spindle absorption (Camlock)	1 - 6"	1 - 6"	1 - 6"	1 - 6"
speeds	12	12	12	12
speed	25 - 2.000 min ⁻¹	25 - 2.000 min ⁻¹	25 - 2.000 min ⁻¹	25 - 2.000 min ⁻¹
longitudinal feed	0,031 - 1,7 mm/U	0,031 - 1,7 mm/U	0,031 - 1,7 mm/U	0,031 - 1,7 mm/U
cross feed	0,014 - 0,784 mm/U	0,014 - 0,784 mm/U	0,014 - 0,784 mm/U	0,014 - 0,784 mm/U
metric - thread	0,1 - 14 mm/U	0,1 - 14 mm/U	0,1 - 14 mm/U	0,1 - 14 mm/U
inch - thread	2 - 112 Gg/1"	2 - 112 Gg/1"	2 - 112 Gg/1"	2 - 112 Gg/1"
diametric threads	8 - 144 D.P.	8 - 144 D.P.	8 - 144 D.P.	8 - 144 D.P.
module threads	0,25 - 3,5 mm	0,25 - 3,5 mm	0,25 - 3,5 mm	0,25 - 3,5 mm
top slide - travel	128 mm	128 mm	128 mm	128 mm
compound slide - travel	285 mm	285 mm	285 mm	285 mm
3-jaw chuck, diameter	250 mm	250 mm	250 mm	250 mm
4-jaw chuck, diameter	300 mm with individually adjustable jaws	300 mm with individually adjustable jaws	300 mm with individually adjustable jaws	300 mm with individually adjustable jaws
motor power	400 V / 5,5 kW	400 V / 5,5 kW	400 V / 5,5 kW	400 V / 5,5 kW
dimensions with stand (L x D x H)	2.220 x 1080 x 1.370 mm	2.220 x 1080 x 1.600 mm	2.720 x 1080 x 1.370 mm	2.720 x 1080 x 1.600 mm
weight	1.670 kg	1.680 kg	2.070 kg	2.080 kg
	TU 4610	TU 4610 DIGI	TU 4615	TU 4615 DIGI
EAN new design	4260364295917	4260364295924	4260364295931	4260364295948
Item No. new design	245 0462	245 2460	245 0463	245 2465

TU 4610 / TU 4610 DIGI
TU 4615 / TU 4615 DIGI

Heavy duty gap bed centre lathe with extensive standard equipment. Smooth running and low-vibration. Mounted on heavy stand and machine bed.

- » strong and warp resistant construction of the stand and machine bed, made of one-piece vibration free cast iron
- » hardened and ground bed slideway
- » large dimensioned machine bed
- » guideways have adjustable V-ledges
- » central lubrication in bed slide
- » right / left spindle rotation shiftable at bed slide
- » detachable bed insert for machining of large work piece diameters
- » adjustable tailstock for producing tapers
- » accurate spindle runout < 0,015 mm at spindle nose
- » enclosed gear feed, gear wheels and shafts hardened and grounded
- » clearly arranged control panel with a strong lever for speed selection
- » oil bath changewheel gears with hardened and ground toothed gear wheels
- » hand wheels with adjustable fine scale
- » main spindle hardened and ground, running on taper bearings in oil bath

- » longitudinal feed, disengageable by four adjustable cam
- » mechanical spindle foot brake
- » lead screw cover
- » acceptance report
- » manufactured according to standard "DIN 8606"










INCLUDED EXTRAS

- » **3-jaw chuck 250 mm**
- » **quick-change toolpost "type B" mounted (5-pcs.)**
- » 4-jaw chuck 300 mm
- » faceplate 350 mm
- » reducing sleeve MT 6 / MT 4
- » 2 fixing centres MT 4
- » steady and follow rest
- » spindle brake
- » coolant system
- » LED working light
- » machine stand
- » splash guard
- » chuck guard with safety switch
- » thread clock
- » set of changewheels
- » operation tools



Available with or without DRO.

Optional Equipment

Description	Art.-No.	Description	Art.-No.
 Quick Change Tool Holder Typ Multifix A	545 2201	 Turning Tool 16 mm	545 2216
 Quick Change Tool Holder Typ Multifix B	545 2202	 Mounting Set	545 1112
 Turning Tool 10 mm	545 0210		
 Turning Tool 12 mm	545 0212		
 Turning Tool 10 mm	545 1210		
 Turning Tool 12 mm	545 1212		
 Turning Tool 12 mm	545 2212		

You can find detailed equipment at page 259.

TU 5615 DIGI TU 5620 DIGI / TU 5630 DIGI HEAVY DUTY CENTRE LATHE MACHINES



PIC.: DESIGN FROM 2016
NEW DESIGN AT PAGE 68

Description	TU 5615 DIGI	TU 5620 DIGI	TU 5630 DIGI
centre width	1.500 mm	2.000 mm	3.000 mm
centre height	280 mm	280 mm	280 mm
spindle hole	105 mm	105 mm	105 mm
max swing over support	326 mm	326 mm	326 mm
tailstock taper	MT 5	MT 5	MT 5
spindle absorption (Camlock)	1 - 7"	1 - 7"	1 - 7"
speeds	12	12	12
speed	25 - 1.600 min ⁻¹	25 - 1.600 min ⁻¹	25 - 1.600 min ⁻¹
longitudinal feed	0,059 - 1,646 mm/U	0,059 - 1,646 mm/U	0,059 - 1,646 mm/U
cross feed	0,02 - 0,573 mm/U	0,02 - 0,573 mm/U	0,02 - 0,573 mm/U
metric - threads	0,2 - 14 mm/U	0,2 - 14 mm/U	0,2 - 14 mm/U
inch - threads	112 - 2 Gg/1"	112 - 2 Gg/1"	112 - 2 Gg/1"
diametric threads	-	-	-
module threads	-	-	-
top slide - travel	130 mm	130 mm	130 mm
compound slide - travel	325 mm	325 mm	325 mm
3-jaw chuck, diameter	315 mm	315 mm	315 mm
4-jaw chuck, diameter	400 mm with adjustable jaws	400 mm with adjustable jaws	400 mm with adjustable jaws
motor power	400 V / 7,5 kW	400 V / 7,5 kW	400 V / 7,5 kW
dimensions with stand (L x D x H)	2.750 x 1.080 x 1.370 mm	3.250 x 1.080 x 1.600 mm	3.250 x 1.080 x 1.600 mm
weight	2.150 kg	2.290 kg	2.680 kg
	TU 5615 DIGI	TU 5620 DIGI	TU 5630 DIGI
EAN new design	4260364295955	4260364295962	4260364295979
Item No. new design	245 2560	245 2565	245 2562

Description on page 72.

TU 6615 DIGI / TU 6620 DIGI TU 6630 DIGI

HEAVY DUTY CENTRE LATHE MACHINES



PIC.: TU 5615

Description	TU 6615 DIGI	TU 6620 DIGI	TU 6630 DIGI
centre width	1.500 mm	2.000 mm	3.000 mm
centre height	330 mm	330 mm	330 mm
spindle hole	105 mm	105 mm	105 mm
max swing over support	455 mm	455 mm	455 mm
tailstock taper	MT 5	MT 5	MT 5
spindle absorption (Camlock)	1 - 8"	1 - 8"	1 - 8"
speeds	16	16	16
speed	25 - 1.600 min ⁻¹	25 - 1.600 min ⁻¹	25 - 1.600 min ⁻¹
longitudinal feed	0,044 - 1,48 mm/U	0,044 - 1,48 mm/U	0,044 - 1,48 mm/U
cross feed	0,022 - 0,74 mm/U	0,022 - 0,74 mm/U	0,022 - 0,74 mm/U
metric - threads	0,45 - 120 mm/U	0,1 - 14 mm	0,1 - 14 mm
inch - threads	80 - 7/16 Gg/1"	2 - 112 Gg/1"	2 - 112 Gg/1"
diametric threads	7/8 - 160 D.P.	7/8 - 160 D.P.	7/8 - 160 D.P.
module threads	0,25 - 60 M.P	0,25 - 60 M.P	0,25 - 60 M.P
top slide - travel	130 mm	130 mm	130 mm
compound slide - travel	355 mm	355 mm	355 mm
3-jaw chuck, diameter	315 mm	315 mm	315 mm
4-jaw chuck, diameter	400 mm	400 mm	400 mm
motor power	400 V / 7,5 kW	400 V / 7,5 kW	400 V / 7,5 kW
dimensions with stand (L x D x H)	3.050 x 1.230 x 1.595 mm	3.650 x 1.230 x 1.880 mm	4.650 x 1.230 x 1.880 mm
weight	2.420 kg	2.810 kg	3.650 kg
	TU 6615 DIGI	TU 6620 DIGI	TU 6630 DIGI
EAN new design	4260364295986	4260364295993	4260364296006
Item No. new design	245 2661	245 2662	245 2663

Description on page 72.

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

TU 5615 DIGI / TU 5620 DIGI
TU 5630 DIGI / TU 6615 DIGI
TU 6620 DIGI / TU 6630 DIGI

Lead screw- and center lathe in heavy duty design with extensive standard equipment. Smooth running and low-vibration. Mounted on heavy stand and machine bed.

- » strong and warp resistant construction of the stand and machine bed, made of one-piece vibration free cast iron.
- » hardened and ground bed slideway
- » large dimensioned machine bed
- » guideways have adjustable V-ledges
- » central lubrication in bed slide
- » right / left spindle rotation shiftable at bed slide
- » detachable bed insert for machining of large work pieces
- » adjustable tailstock for producing tapers
- » accurate spindle runout < 0,015 mm at spindle nose
- » enclosed gear feed, gear wheels and shafts hardened and grounded
- » clearly arranged control panel with a strong lever for speed selection
- » oil bath changewheel gears with hardened and ground toothed gear wheels
- » hand wheels with adjustable fine scale
- » main spindle hardened and ground, running on taper bearings in oil bath
- » longitudinal feed, disengageable by 4 adjustable switching cams
- » mechanical spindle foot brake
- » lead screw cover
- » acceptance report
- » manufactured according to standard "DIN 8606"

INCLUDED

- » **3-jaw chuck 315 mm**
- » 4-jaw chuck 400 mm, jaws individually adjustable
- » reducing sleeve MT 5/MT 4
- » 2 fixing centres MT 4
- » steady and follow rest
- » spindle brake
- » coolant system
- » LED machine lamp with hinged arm
- » machine stand
- » splash guard
- » chuck guard with safety switch
- » thread clock
- » changewheels
- » operation tools










OPTIONALES ZUBEHÖR

- » Quick Change Tool Holder Multifix Typ C/D



PIC.: DRO

Optional Equipment

Description	Art.-No.	Description	Art.-No.
 Quick Change Tool Holder Typ Multifix C	545 2203	 Turning Tool 16 mm	545 2216
 Quick Change Tool Holder Typ Multifix D		 Mounting Set	545 1112
 Turning Tool 10 mm	545 0210		
 Turning Tool 12 mm	545 0212		
 Turning Tool 10 mm	545 1210		
 Turning Tool 12 mm	545 1212		
 Turning Tool 12 mm	545 2212		

You can find detailed equipment at page 259.



Sawing

BS 125 GS

METAL BAND SAW

**Das Original
Epple Maschinen®**



Improved construction

With strongly ribbed arm, improved scale, holding bow as well as further improvements.



Vertrieb: Epple, Wiesensteig
Hotline: 07335 92430
Internet: www.epple.com

Technische Daten:

Spannung: 240 V
Nennleistung: 1,2 kW
Abmessungen (H x T x B): 700 x 315 x 740 mm
Gewicht: 20 kg
Schnittbereich 90° rund: 120 mm
Schnittbereich 90° eckig: 130 x 125 mm
Schnittbereich 45° rund: 70 mm
Schnittbereich 45° eckig: 70 x 100 mm
Sägebügelvorschub: Hand
Bandgeschwindigkeiten: 35 - 80 m/min stufenlos
Bandabmessungen (L x B x S): 1440 x 13 x 0,65 mm

Note:

Funktion: 40% 1,2 ●●●●●
Bedienung: 40% 1,3 ●●●●●
Ausstattung: 20% 1,3 ●●●●●

Bewertung: + -

➤ Sägeschwindigkeit / Schnittergebnis / Transportfähigkeit

Handwerk + Industrie

**Heimwerker
Praxis** 5/2012

1,3

Meisterklasse

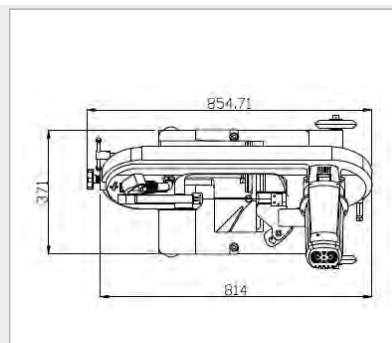
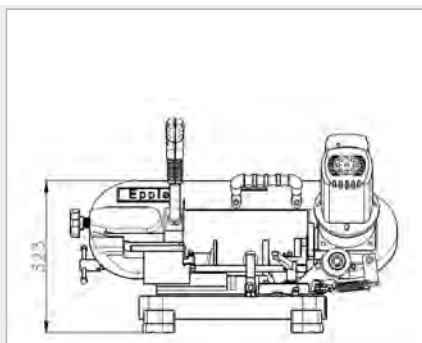
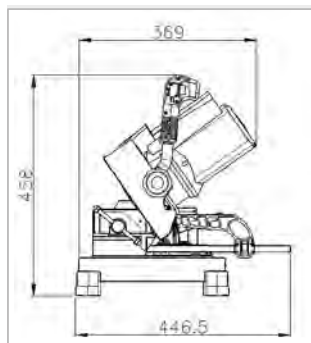
Preis/Leistung: gut - sehr gut

BS 125 GS

- » smooth and vibrationless running
- » ergonomically shaped, comfortable handle
- » transport locking
- » high production quality and performance
- » stepless adjustment of cutting speed
- » swivel saw arm
- » material stop
- » flexible use for horizontal and vertical sawing



Bezeichnung	BS 125 GS
cutting range 90°	round 125 mm flat 120 x 120 mm rectangular 120 mm
cutting range 45°	round 70 mm flat 120 x 70 mm rectangular 70 mm
cutting range 60°	round 35 mm flat 65 x 35 mm rectangular 35 mm
mitre	45° / 60°
cutting speed	30 - 80 m/min
saw band length	1.440 x 13 x 0,65 mm
motor power	230 V / 50 Hz / 1,2 kW
dimensions (L x D x H)	740 x 315 x 700 mm
weight	21 kg
	BS 125 GS
EAN	4260364290509
Item No.	230 1125



BS 128 DG

METAL BAND SAW



BS 128 DG

- » stepless, hydraulic lowering of the saw bow
- » automatic limit stop
- » manual bandsaw with swivel arm
- » 3 different cutting speeds possible via belt adjustment
- » swivel head, both sides from -45° to +60°
- » material dead stop (not pictured)
- » quick - release chuck vice
- » transportable stand and transport handle

Description	BS 128 DG
cutting capacity circular	128 mm
cutting capacity rectangular	128 x 150 mm
cutting range at 45°	round 95 mm, flat 95 x 75 mm
cutting range at 60°	round 44 mm, flat 44 x 56 mm
mitre	von -45° bis +60°
cutting speed	20 / 29 / 50 m/min
saw band length	1.638 x 13 x 0,65 mm
motor power	230 V / 50 Hz / 550 W
inlet height	750 mm
dimensions (L x D x H)	960 x 540 x 610 mm
weight	85 kg
	BS 128 DG
EAN	4260364290516
Item No.	129 0128

You can find detailed equipment at page 259.

BS 151 GS

METAL BAND SAW

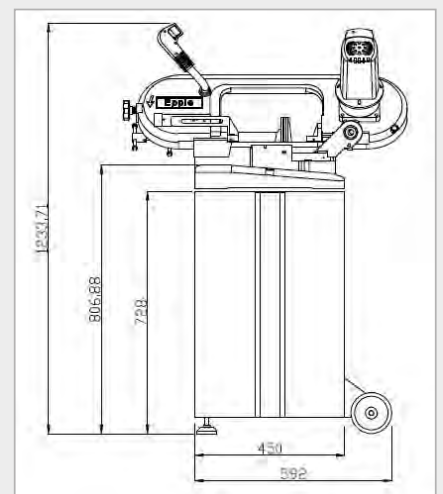
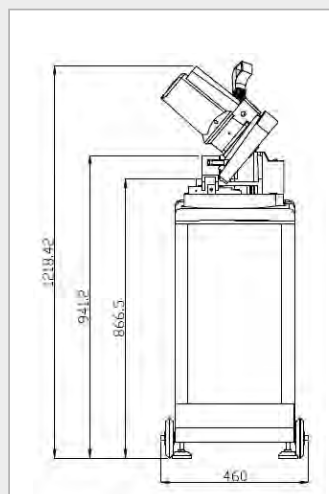
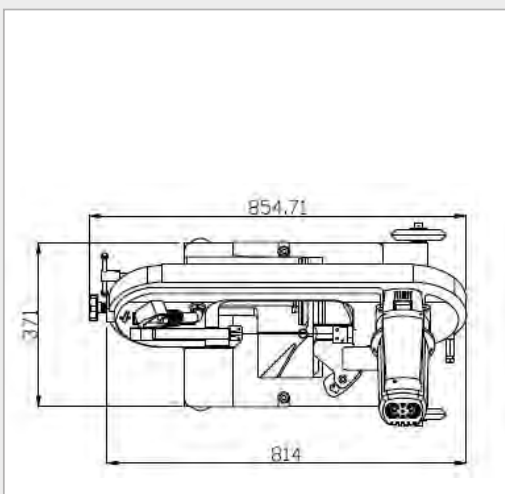


BS 151 GS

- » stepless, hydraulic lowering of the saw bow
- » manual bandsaw with swivel arm
- » mitre swivel range until right 60°
- » material dead stop (not pictured)
- » manual bandsaw with swivel arm
- » solid undercarriage for hard everyday use included

Description	BS 151 GS
cutting range round	150 mm
cutting range rectangular	150 x 140 mm
mitre	+45° / +60°
mitre cutting circular	90 mm / 65 mm
mitre cutting rectangular	90 x 100 mm / 65 x 70 mm
cutting speed	30 - 80 m/min
saw blade length	1.785 x 13 x 0,9 mm
motor power	230 V / 50 Hz / 1.2 kW
dimensions (L x D x H)	940 x 370 x 1.490 mm
weight	77 kg
BS 151 GS	
EAN	4260364290523
Item No.	230 1151

You can find detailed equipment at page 259.



Machine only available without chasses

BS 180 / BS 180 G

METAL BAND SAWS



PIC.: BS 180 G

BS 180 / BS 180 G

- » high processing quality and equipment
- » hardened gear in box wheels hardened and ground
- » mitre swivel range up to right 45 °
- » coolant collecting tank and cooling device
- » material stop
- » robust undercarriage for hard everyday use
- » mitre adjustment for BS 180 via vice

You can find detailed equipment at page 259.

Description	BS 180	BS 180 G
cutting capacity circular	178 mm	180 mm
cutting capacity rectangular	305 x 178 mm	260 x 180 mm
mitre	+45°	+45°
mitre circular	127 mm	125 mm
mitre cut rectangular vierkant	125 x 120 mm	105 x 120 mm
cutting speed	22 / 34 / 49 / 64 m/min with change belt	39 / 66 / 82 m/min with gear
saw band length	2.360 x 20 x 0,9 mm	2.360 x 20 x 0,9 mm
motor power	400 V / 50 Hz / 750 W	400 V / 50 Hz / 750 W
dimensions (L x D x H)	1.250 x 510 x 1.140 mm	1.300 x 560 x 1.120 mm
weight	140 kg	175 kg
	BS 180	BS 180 G
EAN	4260364296013	4260364296020
Item No.	130 0180	130 1180

BS 230 V / BS 230 VG

METAL BAND SAWS



PIC.: BS 230 V



PIC.: BS 230 VG

BS 230 V / BS 230 VG

- » smooth and vibrationless running
- » high converting quality and equipment
- » precise cutting - no run of band because of stable cast iron construction and ball bedded 4 point saw band guidance over 4 guidance dual ball bearings
- » very fast and commercial sawing because saw band is sawing constantly. 100% utilisation of saw bands and high durability (in comparison to bow saws)
- » gear wheels hardened and ground, running in oil bath
- » variable speed control
- » high electrical safety equipment and with lockable main current caste
- » stepless, hydraulic lowering of the saw bow
- » mitre swiveling saw bow (BS 230 VG)
- » mitre swivel range up to 45° on the right
- » bearing pressure stepless adjustable from 0 to max. with hydraulic cylinder
- » tape tension attachment with scale for an ideal tape tension
- » chipbrush
- » automatic limit stop
- » quick - release chuck vice
- » material dead stop
- » cooling liquid tank and coolant system
- » fill level display of cooling liquid case
- » clearly arranged, ergonomic control panel at bow
- » length dead stop
- » robust stand for hard daily insert is included in the scope of supply

Description	BS 230 V	BS 230 VG
cutting range circular	229 mm	229 mm
cutting range rectangular	405 x 127 mm	405 x 127 mm
cutting range at 45° circular	150 mm	150 mm
cutting range at 45° rectangular	190 x 150 mm	190 x 150 mm
speeds	18 - 102 m/min	18 - 102 m/min
blade dimensions	3.215 x 27 x 0,9 mm	3.215 x 27 x 0,9 mm
motor power	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW
inlet height	670 mm	670 mm
dimensions (L x D x H)	1.800 x 770 x 1.140 mm	1.880 x 780 x 1.360 mm
weight	300 kg	320 kg
	BS 230 V	BS 230 VG
EAN	4260364290578	4260364290585
Item No.	130 0230	130 1230

BS 275 G / BS 275 GS STEPLESS BS 275 GF STEPLESS ADJUSTABLE VIA FREQUENCY CONVERTER METAL BAND SAWS



PIC.: BS 275 G



**BS 275 G /
BS 275 GS /
BS 275 GF**

- » gearing with hardened and ground worm gear shaft
- » 2-speed motor (BS 275 G)
- » stepless adjustment of cutting speed (BS 275 GS, BS 275 GF)
- » frequency converter (BS 275 GF)
- » stepless, hydraulic lowering of the saw bow
- » saw bow operable by dint of grab handle
- » mitre swiveling saw bow
- » automatic limit stop
- » material dead stop
- » cooling liquid tank and coolant system
- » coolant system serial with lever tap and plug
- » quick - release chuck vice
- » clearly arranged, ergonomic control panel
- » thermal fuse and low voltage release
- » material plating
- » robust stand for hard daily insert is included in the scope of supply
- » chipbrush

You can find detailed equipment at page 259.

Description	BS 275 G	BS 275 GS	BS 275 GF
cutting capacity circular	225 mm	225 mm	225 mm
cutting capacity rectangular	245 x 180 mm	245 x 180 mm	245 x 180 mm
mitre cut at 45°	circular 160 mm, rectangular 160 x 160 mm	circular 160 mm, rectangular 160 x 160 mm	circular 160 mm, rectangular 160 x 160 mm
mitre cut at 60°	circular 100 mm, rectangular 100 x 100 mm	circular 100 mm, rectangular 100 x 100 mm	circular 100 mm, rectangular 100 x 100 mm
mitre	up to 60°	up to 60°	up to 60°
cutting speed	45 - 90 m/min	20 - 90 m/min	20 - 90 m/min
saw band length	2.480 x 27 x 0,9 mm	2.480 x 27 x 0,9 mm	2.480 x 27 x 0,9 mm
motor power	400 V / 50 Hz / 1,1 kW	230 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW
dimensions (L x D x H)	1.380 x 580 x 1.290 mm	1.380 x 580 x 1.290 mm	1.380 x 580 x 1.290 mm
inlet height	910 mm	910 mm	910 mm
weight	210 kg	210 kg	220 kg
EAN	4260364290592	4260364290608	4260364290615
Item No.	230 1275	230 2275	230 3275

Epple BS 275 G

Vertrieb: Epple, Wiesensteig
Preis: um 2.100 Euro
Hotline: 0 73 35 / 9 24 30
Internet: www.epple.com

Technische Daten:

Spannung: 400 V
Nennleistung: 1,1 kW
Gewicht: 200 kg
Schnittbereich 90° rund: 225 mm
Schnittbereich 90° eckig: 245 x 150 mm
Schnittbereich 45° rund: 160 mm
Schnittbereich 45° eckig: 160 x 160 mm
Sägebügelvorschub: stufenlose Ölhydraulik
Bandgeschwindigkeiten: 45 und 90 m/min
Bandabmessungen (L x B x S): 2080 x 20 x 0,9 mm
Kühlmittelbehälter: 9 l

Bewertung:

+ Sägeschwindigkeit
+ Einstellung Absenkgeschwindigkeit
+ Kühlmittelrückführung

Note:

Handhabung: 40% 1,5
Funktion: 40% 1,5
Ausstattung: 20% 1,3

Meisterklasse
Handwerk + Industrie 1,5

in Heimwerker Praxis Ausgabe 1/2003
Preis/Leistung: gut

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

BS 280 DGS / BS 280 DGF

METAL BAND SAWS



PIC.: BS 280 DGS



clear ergonomic control panel

BS 280 DGS / BS 280 DGF

- » variable speed control
- » frequency converter (BS 280 DGF)
- » cooling liquid tank and coolant system
- » lowering device saw arm stepless adjustable
- » saw arm swiveling to the right 60° and to the left 45°
- » material dead stop
- » analogue saw band - electric tension display for ideal cutting for protection of the saw band
- » coolant system serial with lever tap and plug
- » quick - release chuck vice
- » clearly arranged, ergonomic control panel
- » robust stand for hard daily insert
- » automatic end switch

You can find detailed equipment at page 259.

Description	BS 280 DGS	BS 280 DGF
cutting capacity circular	225 mm	225 mm
cutting capacity rect.	245 x 180 mm	245 x 180 mm
mitre cut at 45°	circular 150 mm, rectangular 150 x 150 mm	circular 150 mm, rectangular 150 x 150 mm
mitre cut at 60°	circular 85 mm, rectangular 85 x 85 mm	circular 85 mm, rectangular 85 x 85 mm
mitre	from -45° up to +60°	from -45° up to +60°
cutting speed	20 - 90 m/min	20 - 90 m/min
saw band length	2.480 x 27 x 0,9 mm	2.480 x 27 x 0,9 mm
motor power	230 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW
dimensions (L x D x H)	1.380 x 705 x 1.500 mm	1.380 x 705 x 1.500 mm
inlet height	980 mm	980 mm
weight	285 kg	300 kg
	BS 280 DGS	BS 280 DGF
EAN	4260364290622	4260364290639
Item No.	230 1280	230 2280

BS 350 DG / BS 350 DGH SEMI-AUTOMATIC BS 350 DGHF SEMI-AUTOMATIC WITH FREQUENCY CONVERTER METAL BAND SAWS



PIC.: BS 350 DGHF



tilting control panel



blade tension device

You can find detailed equipment at page 259.

BS 350 DG / BS 350 DGH / BS 350 DGHF

- » 2-speed motor (BS 350 DG, BS 350 DGH)
- » variable speed control (BS 350 DGHF)
- » frequency converter (BS 350 DGHF)
- » material dead stop with scale
- » lowering device saw arm stepless adjustable
- » mitre swivel range from left -45° to right 60°
- » analogue saw band-electric tension display for ideal cutting for protection of the saw band
- » serially with bi-metal saw band
- » chipbrush
- » material dead stop
- » coolant system with lever tap and plug
- » cooling liquid tank and coolant system
- » hydraulic vice, self-locking (BS 350 DGH / BS 350 DGHF)
- » control panel pivotable
- » clearly arranged, ergonomic control panel
- » hard metal and ball bearing guides
- » good readable angle scale
- » semi-automatic saw operation and limit stop (BS 350 DGH / BS 350 DGHF)

Description	BS 350 DG	BS 350 DGH	BS 350 DGHF
cutting capacity circular	270 mm	270 mm	270 mm
cutting capacity rectangular	350 x 240 mm	350 x 240 mm	350 x 240 mm
mitre cut at +60°	circular 140 mm, rectangular 140 x 140 mm	circular 140 mm, rectangular 140 x 140 mm	circular 140 mm, rectangular 140 x 140 mm
mitre cut at +45°	circular 230 mm, rectangular 230 x 150 mm	circular 230 mm, rectangular 230 x 150 mm	circular 230 mm, rectangular 230 x 150 mm
mitre cut at -45°	circular 200 mm, rectangular 200 x 140 mm	circular 200 mm, rectangular 200 x 140 mm	circular 200 mm, rectangular 200 x 140 mm
mitre	from -45° up to +60°	from -45° up to +60°	from -45° up to +60°
cutting speed	36 / 72 m/min	36 / 72 m/min	36 - 72 m/min
saw band length	2.925 x 27 x 0,9 mm	2.925 x 27 x 0,9 mm	2.925 x 27 x 0,9 mm
motor power	400 V / 50 Hz / 1,9 kW	400 V / 50 Hz / 1,9 kW	400 V / 50 Hz / 1,9 kW
dimensions (L x D x H)	1.765 x 950 x 1.600 mm	1.765 x 950 x 1.600 mm	2.220 x 1.055 x 1.930 mm
inlet height	930 mm	930 mm	930 mm
weight	670 kg	670 kg	700 kg
	BS 350 DG	BS 350 DGH	BS 350 DGHF
EAN	4260364290646	4260364290653	4260364290660
Item No.	230 1350	230 2350	230 3350

E-BS 230 DG / E-BS 230 DGH E-BS 230 V

METAL BAND SAWS

PREMIUM-LINE



PIC.: E-BS 230 DG

E-BS 230 DG / E-BS 230 DGH / E-BS 230 V

- » semi-automatic machine (E-BS 230 DGH)
- » quick vice (E-BS 230 DG)
- » hydr. vice (E-BS 230 DGH)
- » vice with material drive rollers for the E-BS 230 V

OPTIONAL EQUIPMENT

- » stepless cutting speed
- » inverter
- » roller track
- » micro lubrication device

Description	E-BS 230 DG	E-BS 230 DGH	E-BS 230 V
cutting capacity circular	230 mm	230 mm	230 mm
cutting capacity flat	320 x 130 mm	320 x 130 mm	240 x 230 mm
cutting capacity rectangular	230 mm	230 mm	230 mm
mitre cut at 45°	circular 210 mm / 180 mm flat 230 x 160 mm / 230 x 100 mm rectangular 180 mm / 150 mm	circular 210 mm / 180 mm flat 230 x 160 mm / 230 x 160 mm rectangular 180 mm / 150 mm	-
mitre cut at 60°	circular 120 mm flat 120 x 100 mm rectangular 100 mm	circular 120 mm flat 120 x 100 mm rectangular 100 mm	no swivel
mitre	up to 60°	up to 60°	-
cutting speed	35 - 70 m/min	35 - 70 m/min	35 - 70 m/min
saw band length	2.730 x 27 x 0,9 mm	2.730 x 27 x 0,9 mm	2.730 x 27 x 0,9 mm
motor power	400 V / 50 Hz / 1,3 kW	400 V / 50 Hz / 1,3 kW	400 V / 50 Hz / 1,3 kW
dimensions (L x D x H)	1.350 x 700 x 1.300 mm	1.350 x 700 x 1.300 mm	1.700 x 800 x 1.500 mm
inlet height	760 mm	760 mm	590 mm
weight	415 kg	465 kg	530 kg
	E-BS 230 DG	E-BS 230 DGH	E-BS 230 V
EAN	4260364290677	4260364290684	4260364296037
Item No.	330 0230	330 1230	330 2230

E-BS 270 DG / E-BS 270 DGH

METAL BAND SAWS

PREMIUM-LINE



PIC.: E-BS 270 DG

E-BS 270 DG / E-BS 270 DGH

- » semi-automatic machine (E-BS 270 DGH)
- » micro lube facility (optional)
- » inverter standard = stepless speed adjustment 20 - 100 m/min
- » hydraulic vice (E-BS 270 DGH)

Description	E-BS 270 DG	E-BS 270 DGH
cutting capacity circular	270 mm	270 mm
cutting capacity flat	350 x 220 mm	350 x 220 mm
cutting capacity rectangular	270 mm	270 mm
mitre cut at 45° circular	240 mm / 210 mm	240 mm / 210 mm
flat	270 x 200 mm / 270 x 210 mm	270 x 200 mm / 270 x 210 mm
rectangular	170 mm / 180 mm	170 mm / 180 mm
mitre cut at 60° circular	150 mm	150 mm
flat	150 x 100 mm	150 x 100 mm
rectangular	100 mm	100 mm
mitre	up to 60°	up to 60°
cutting speed	20 - 100 m/min	20 - 100 m/min
saw band length	3.160 x 27 x 0,9 mm	3.160 x 27 x 0,9 mm
motor power	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW
dimensions (L x D x H)	1.730 x 770 x 1.460 mm	1.730 x 770 x 1.460 mm
inlet height	910 mm	910 mm
weight	465 kg	525 kg
	E-BS 270 DG	E-BS 270 DGH
EAN	4260364290691	4260364290707
Item No.	330 0270	330 1270

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

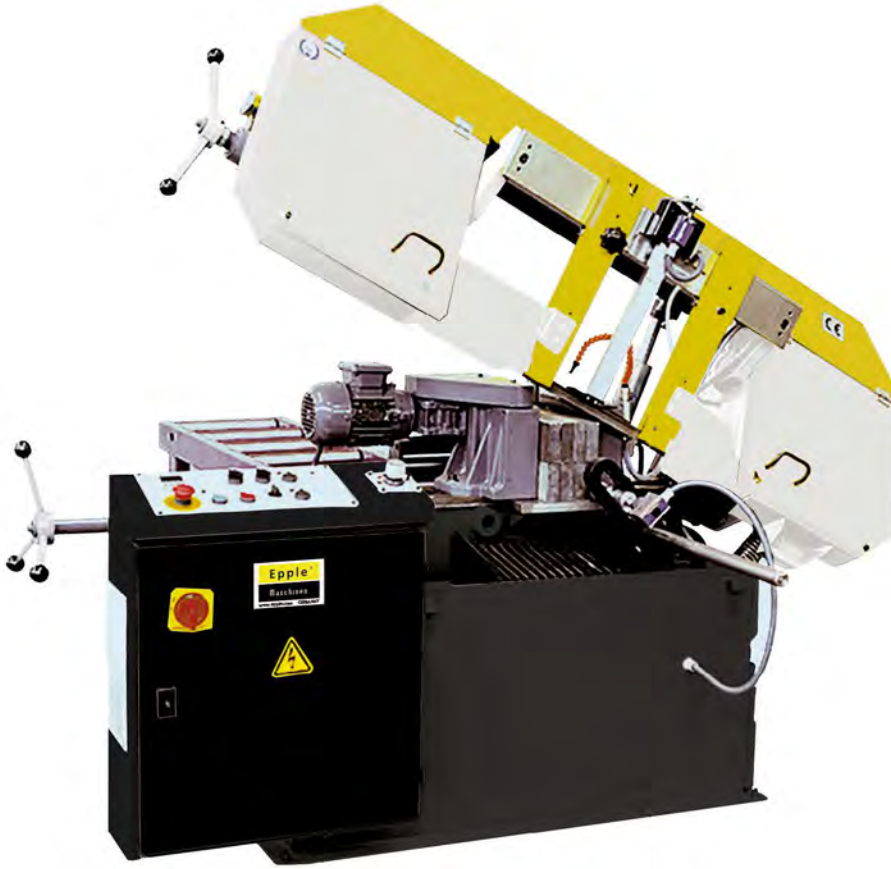
OTHER
MACHINES

ACCESSORIES

E-BS 320 H / E-BS 320 V

METAL BAND SAWS

PREMIUM-LINE



PIC.: E-BS 320 V



PIC.: EQUIPMENT:
SAWBUCK

Metal Band Saw

E-BS 320 - MODELLE

- » micro lubrication device
- » inverter for stepless speed control 20 - 100 m/min
- » hydraulic clamping of the saw arm,
manual turning of saw arm
- » full automatic model (E-BS 320 V / E-BS 320 VL)
- » semi automatic model (E-BS 320 H / E-BS 320 HL)

OPTIONAL EQUIPMENT

- » hydraulic vice
- » roller track
- » micro lubrication device

Description	E-BS 320 H	E-BS 320 V
cutting capacity circular	320 mm	320 mm
cutting capacity flat	440 x 220 mm	320 x 300 mm
cutting capacity rectangular	320 x 320 mm	300 x 300 mm
mitre cut at 45° circular	280 mm	-
flat	280 x 200 mm	
rectangular	260 x 260 mm	
mitre	up to 45°	-
cutting speed	20 - 100 m/min	20 - 100 m/min
saw band length	3.660 x 27 x 0,9 mm	3.660 x 27 x 0,9 mm
motor power	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 2,2 kW
dimensions (L x D x H)	1.900 x 850 x 1.300 mm	1.900 x 850 x 1.350 mm
inlet height	640 mm	640 mm
weight	670 kg	770 kg
	E-BS 320 H	E-BS 320 V
EAN	4260364290721	4260364290738
Item No.	330 1320	330 2320

E-BS 320 HL / E-BS 320 VL

METAL BAND SAWS

PREMIUM-LINE



PIC.: E-BS 320 HL

E-BS 320 - MODELLE

- » micro lubrication device
- » inverter for stepless speed control 20 - 100 m/min
- » hydraulic clamping of the saw arm, manual turning of saw arm
- » full automatic model (E-BS 320 V / E-BS 320 VL)
- » semi automatic model (E-BS 320 H / E-BS 320 HL)

OPTIONAL EQUIPMENT

- » hydraulic vice
- » roller track
- » micro lubrication device

Description	E-BS 320 HL	E-BS 320 VL
cutting capacity circular	330 mm	330 mm
cutting capacity flat	610 x 310 mm	500 x 320 mm
cutting capacity rectangular	330 x 320 mm	320 x 320 mm
mitre cut at 45° circular	320 mm	-
mitre cut at 45° flat	460 x 180 mm	-
mitre cut at 45° rectangular	320 x 320 mm	-
mitre	up to +45°	-
cutting speed	20 - 100 m/min	20 - 100 m/min
saw band length	4.160 x 34 x 1,1 mm	4.160 x 34 x 1,1 mm
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW
dimensions (L x D x H)	2.100 x 850 x 1.300 mm	2.100 x 850 x 1.300 mm
inlet height	640 mm	640 mm
weight	773 kg	860 kg
	E-BS 320 HL	E-BS 320 VL
EAN	4260364290752	4260364290769
Item No.	330 1321	330 2321



PIC.: BACKSIDE

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

E-BS 320 GV PLC FULLY AUTOMATIC
E-BS 320 GVL PLC FULLY AUTOMATIC
METAL BAND SAWS

PREMIUM-LINE



PIC.: E-BS 320 GV

Metal Band Saw

Description	E-BS 320 GV	E-BS 320 GVL
cutting capacity	circular 320 mm flat 350 x 320 mm rectangular 320 x 320 mm	circular 320 mm flat 610 x 320 mm rectangular 320 x 320 mm
mitre cut at 30°	circular 160 mm flat 150 x 150 mm rectangular 150 x 150 mm	circular 260 mm flat 280 x 200 mm rectangular 225 x 225 mm
mitre cut at 45°	circular 260 mm flat 250 x 180 mm rectangular 180 x 180 mm	circular 320 mm flat 355 x 320 mm rectangular 320 x 320 mm
mitre cut at 60°	circular 300 mm flat 300 x 200 mm rectangular 250 x 250 mm	circular 320 mm flat 510 x 320 mm rectangular 320 x 320 mm
mitre cut at 75°	circular 320 mm flat 350 x 200 mm rectangular 300 x 300 mm	circular 320 mm flat 580 x 320 mm rectangular 320 x 320 mm
mitre	75°	75°
cutting speed	20 - 100 m/min	20 - 100 m/min
saw band length	3.660 x 27 x 0,9 mm	4.160 x 34 x 1,1 mm
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW
dimensions (L x Dx H)	2.200 x 2.100 x 1.500 mm	2.400 x 2.370 x 1.500 mm
inlet height	740 mm	740 mm
weight	1.660 kg	2.060 kg
	E-BS 320 GV	E-BS 320 GVL
EAN	4260364290776	4260364290783
Item No.	330 3320	330 3321

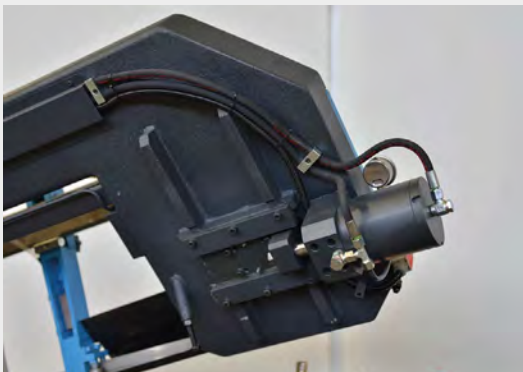
E-BS 320 GV / E-BS 320 GVL

- » fully automatic
- » micro lubrication device
- » inverter for stepless speed control 20 - 100 m/min
- » hydraulic vice
- » digital angle display
- » hydraulic clamping of the saw arm, manual turning of saw arm
- » saw arm swivel up to 60°

STANDARD



OPTIONAL



E-BSP 325 GH / E-BSP 325 GV

METAL BAND SAWS

NEW

PREMIUM-LINE



PIC.: E-BSP 325 GV

Metal Band Saw

Description	E-BSP 325 GH	E-BSP 325 GV
cutting capacity 0°	circular 325 mm flat 400 x 320 mm rectangular 320 mm	circular 325 mm flat 400 x 315 mm rectangular 315 mm
mitre cut at +30°	circular 325 mm flat 360 x 320 mm rectangular 320 mm	circular 325 mm flat 380 x 315 mm rectangular 315 mm
mitre cut at +45°	circular 305 mm flat 270 x 320 mm rectangular 270 mm	circular 300 mm flat 300 x 315 mm rectangular 300 mm
mitre cut at +60°	circular 190 mm flat 180 x 240 mm rectangular 180 mm	circular 200 mm flat 200 x 315 mm rectangular 200 mm
mitre	up to +60°	up to +60°
cutting speed	20 - 100 m/min	20 - 100 m/min
saw band length	4.380 x 34 x 1,1 mm	4.380 x 34 x 1,1 mm
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW
dimensions (L x D x H)	2.100 x 1.050 x 1.600 mm	2.130 x 2.150 x 1.650 mm
inlet height	640 mm	655 mm
weight	1.185 kg	1.860 kg
	E-BSP 325 GH	E-BSP 325 GV
EAN	4260364296051	4260364290790
Item No.	330 1325	330 2325

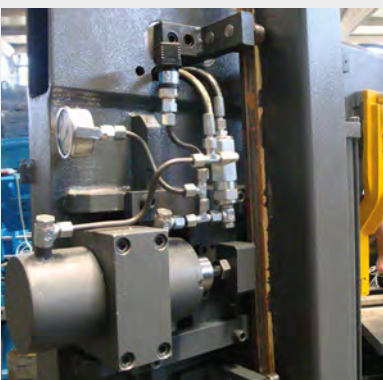
E-BSP 325 GH / E-BSP 325 GV

- » **semi-automatic (E-BSP 325 GH)**
- » **fully-automatic (E-BSP 325 GV)**
- » mitre
- » inverter standard = stepless adjustable speed 20 - 100 m/min
- » hydraulic vice
- » digital readout for angle display
- » hydraulic clamping of the saw arm, manual turning of saw arm
- » saw band ilted for 3°
- » due to sensors there is automatic saw speed adjustment
- » saw mill is made of solid steel
- » synchronization of tape guide and vise
- » angular toothed conical heavy-duty gearbox
- » hydraulic vice clamping over the entire clamping range
- » hydromechanical tape tension is readable via manometer
- » mobile control panel
- » high-quality hydraulic components
- » powered chip brush
- » substructure and arm are a heavy welding construction
- » vertical movement with high-precision linear guides

STANDARD



OPTIONAL



E-BSP 330 NC

METAL BAND SAW

PREMIUM-LINE



Metal Band Saw

E-BSP 330 NC

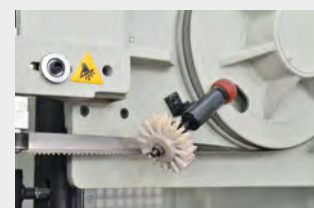
- » band saw with servo drives
- » user-friendly on-screen PLC control
- » hydromechanical belt tensioning
- » chip brush
- » divided hydraulic vice
- » chip conveyor

OPTIONAL EQUIPMENT

- » hydraulic blade tension
- » hexagon bundle vice
- » microspray coolant system
- » material roller conveyor
- » 4 kW motor
- » machine cladding

Description	E-BSP 330 NC
cutting capacity 0° circular	330 mm
cutting capacity 0° flat	360 x 330 mm
cutting capacity 0° rect.	330 mm
cutting speed	20 - 100 m/min stepless
saw blade length	4.380 x 34 x 1,1 mm
motor power	400 V / 50 Hz / 3 kW
dimensions (L x D x H)	2.100 x 2.300 x 1.560 mm
infeed height	850 mm
weight	2.120 kg
E-BSP 330 NC	
EAN	4260364297348
Item No.	330 2330

STANDARD



E-BSPC 330 NC

METAL BAND SAW

NEW

PREMIUM-LINE



DRILLING
MILLING
TURNING
SAWING
GRINDING
BENDING
CUTTING / PRESSING
OTHER MACHINES
ACCESSORIES

E-BSPC 330 NC

- » band saw with servo drives
- » user-friendly on-screen PLC control
- » hydromechanical belt tensioning
- » chip brush
- » divided hydraulic vice
- » chip conveyor
- » full machine cladding

OPTIONAL EQUIPMENT

- » hydraulic blade tension
- » hexagon-bundle vice
- » microspray coolant system
- » material roller conveyor
- » 4 kW Motor

STANDARD



Description	E-BSPC 330 NC
cutting capacity 0° circular	330 mm
cutting capacity 0° flat	360 x 330 mm
cutting capacity 0° rect.	330 mm
cutting speed	20 - 100 m/min stepless
saw blade length	4.380 x 34 x 1,1 mm
motor power	400 V / 50 Hz / 3,0 kW
dimensions (L x D x H)	2.625 x 1.900 x 1.900 mm
infeed height	850 mm
weight	2.150 kg
E-BSPC 330 NC	
EAN	4260364297706
Item No.	330 2331

PREMIUM-LINE

E-BS 360 DGH ECO

METAL BAND SAW



Metal Band Saw

Description	E-BS 360 DGH ECO
cutting capacity 0°	circular 360 mm flat 510 x 360 mm rectangular 360 mm
mitre cut at +30° / -30°	circular 360 mm flat 510 x 360 mm rectangular 360 mm
mitre cut at +45° / -45°	circular 360 mm flat 390 x 360 mm rectangular 360 mm
mitre cut at +60°	circular 200 mm flat 200 x 360 mm rectangular 200 mm
mitre cut at -60°	circular 260 mm flat 260 x 360 mm rectangular 260 mm
mitre	up to ±60°
cutting speed	20 - 100 m/min
saw band length	4.800 x 34 x 1,1 mm
motor power	400 V / 50 Hz / 3 kW
dimensions (L x D x H)	2.800 x 1.210 x 1.870 mm
inlet height	860 mm
weight	1.450 kg
	E-BS 360 DGH ECO
EAN	4260364296068
Item No.	330 2361

You can find detailed equipment at page 259.

E-BS 360 DGH ECO (WITH CLAMPING SPRINGS FOR SAW BLADES)

- » semi-automatic double miter band saw in excellent price-performance ratio for sawing profiles and solid material in steel and other metals
- » robustly constructed monoblock saw frame
- » manual swiveling saw frame with hydraulic clamping to the optimum swivel adjustment
- » mitre angle can be read digitally on mobile control panel
- » hydraulic clamping of the horizontal clamping block
- » automatic sawmill lifting after cutting
- » infinitely adjustable belt speed 20 - 100 m/min
- » sensitive cutting pressure regulation depending on material characteristics
- » hydraulic mechanical tensioning
- » tape guide on hard metal plates and rolls
- » thermal overload protection and undervoltage release
- » automatic shutdown after cutting
- » automatic belt breakage protection
- » chip brush driven by impeller

STANDARD



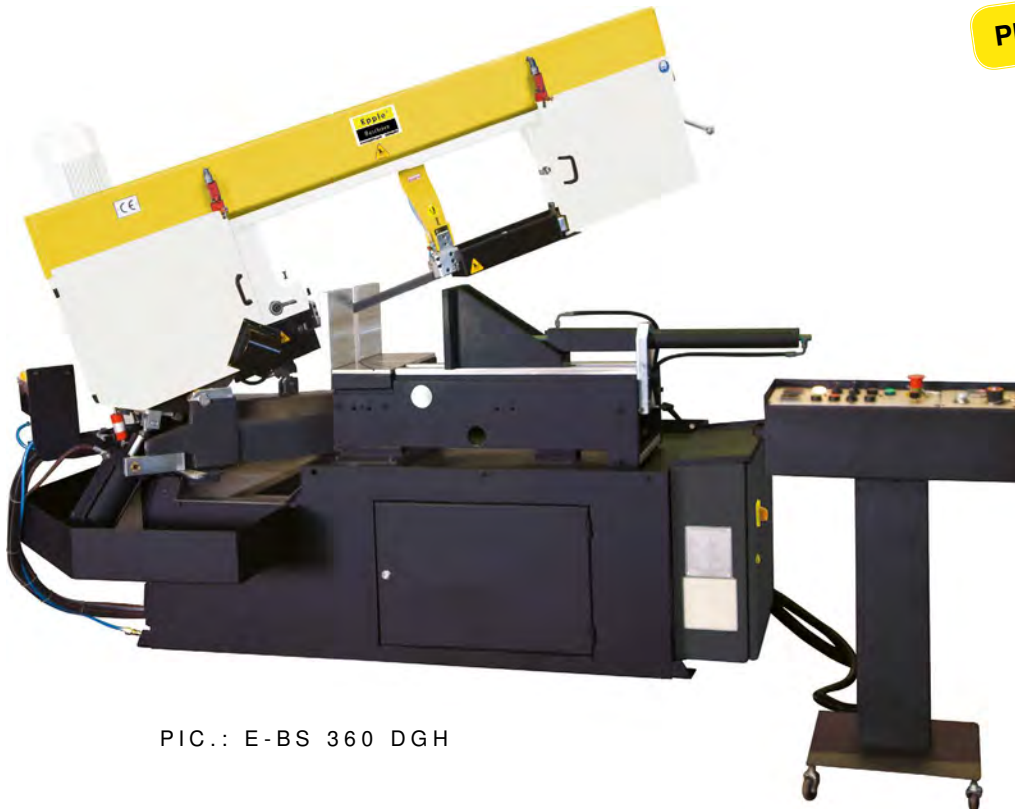
OPTIONAL



E-BS 360 DGH / E-BS 440 DGH

METAL BAND SAWS

PREMIUM-LINE



PIC.: E-BS 360 DGH

Metal Band Saw

Description	E-BS 360 DGH	E-BS 440 DGH
cutting capacity 0°	circular 360 mm flat 610 x 360 mm rectangular 360 x 360 mm	circular 440 mm flat 610 x 440 mm rectangular 440 x 440 mm
mitre cut at +30° / -30°	circular 360 mm flat 610 x 360 mm rectangular 360 x 360 mm	circular 440 mm flat 500 x 440 mm rectangular 440 x 440 mm
mitre cut at +45° / -45°	circular 360 mm flat 490 x 360 mm rectangular 360 x 360 mm	circular 410 mm flat 410 x 440 mm rectangular 410 x 410 mm
mitre cut at +60° / -60°	circular 340 mm / 360 mm flat 300 x 360 mm / 360 x 360 mm rectangular 300 x 300 mm / 360 x 360 mm	circular 320 mm flat 440 x 250 mm / 285 x 440 mm rectangular 250 x 250 mm / 285 x 285 mm
mitre	from -60° up to +60°	from -60° up to +60°
cutting speed	20 - 100 m/min	20 - 100 m/min
saw band length	5.000 x 34 x 1,1 mm	5.200 x 34 x 1,1 mm
motor power	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 3 kW
dimensions (L x D x H)	2.750 x 1.210 x 1.870 mm	2.900 x 1.210 x 1.870 mm
inlet height	860 mm	860 mm
weight	1.470 kg	1.570 kg
	E-BS 360 DGH	E-BS 440 DGH
EAN	4260364290806	4260364290813
Item No.	330 2360	330 2440

E-BS 360 DGH / E-BS 440 DGH

- » semi-automatic machine
- » double mitre
- » inverter equipped: stepless driving speed adjustment 20 - 100 m/min
- » hydraulic vice
- » digital display for angle adjustment
- » hydraulic clamping of the saw arm, saw arm turning by hand
- » saw arm swivel +/-60°
- » stepless adjustable lowering speed of the saw arm by manometer to read the lowering speed
- » hydraulic balancing system to generate always the same sawing pressure and thereby reduce vibrations
- » slant toothed, conical heavy duty gearbox
- » hydraulic vice clamping across the entire clamping area
- » large cutting width of up to 610 mm
- » hydro mechanical strip tension readable on manometer
- » mobile control panel
- » high-quality hydraulic components
- » driven chip brush
- » stand and arm are heavy welded constructions

You can find detailed equipment at page 259.

STANDARD



OPTIONAL



E-BSP 360 GV / E-BSP 440 GV

METAL BAND SAWS

PREMIUM-LINE



PIC.: E-BS 360 CGV

Metal Band Saw

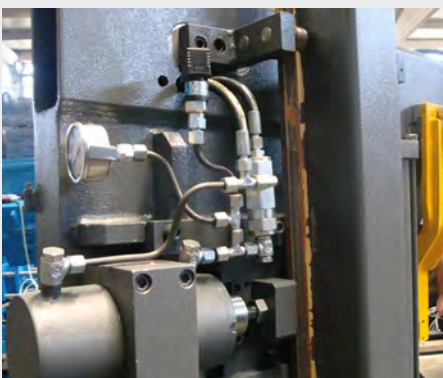
Description	E-BSP 360 GV	E-BSP 440 GV
cutting capacity 0°	circular 360 mm flat 610 x 360 mm rectangular 360 x 360 mm	circular 450 mm flat 610 x 425 mm rectangular 425 x 425 mm
cutting capacity +30°	circular 360 mm flat 590 x 360 mm rectangular 360 x 360 mm	circular 450 mm flat 560 x 425 mm rectangular 425 x 425 mm
cutting capacity +45°	circular 360 mm flat 450 x 360 mm rectangular 360 x 360 mm	circular 430 mm flat 430 x 425 mm rectangular 425 x 425 mm
cutting capacity +60°	circular 325 mm flat 280 x 360 mm rectangular 290 x 290 mm	circular 320 mm flat 260 x 425 mm rectangular 290 x 290 mm
mitre	from 0° up to +60°	from 0° up to +60°
cutting speed	20 - 100 m/min	20 - 100 m/min
saw band length	5.200 x 34 x 1,1 mm	5.400 x 41 x 1,3 mm
motor power	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 4 kW
dimensions (L x D x H)	2.850 x 2.100 x 1.820 mm	2.850 x 2.100 x 1.950 mm
inlet height	705 mm	705 mm
weight	2.400 kg	2.480 kg
	E-BSP 360 GV	E-BSP 440 GV
EAN	4260364290820	4260364290837
Item No.	330 3360	330 3440

E-BSP 360 GV / E-BSP 440 GV

- » fully automatic
- » Inverter Standard = stepless adjustable band speed 20 - 100 m/min
- » hydraulic vice
- » digital display for angle display
- » saw bow inclined by 3°
- » due to sensors automatic saw speed adjustment
- » hydr. clamping of the saw arm, rotation of the saw arm by hand up to 500 mm material feed at up to 12 times programmable gives a total of up to 6 m of material length
- » hydromechanical tape tension can be read off due to the manometer
- » hydraulic vice clamp over the entire clamping range
- » 10 cutting programs for length and number of pieces
- » inclined, tapered heavy-duty gear box
- » large cutting width of up to 610 mm
- » mobile control panel
- » high-quality hydraulic components
- » powered chip brush
- » stand and arm are heavy welding construction
- » profile rail with linear technology for highly precise settings
- » double-sided feed clamping



STANDARD



DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

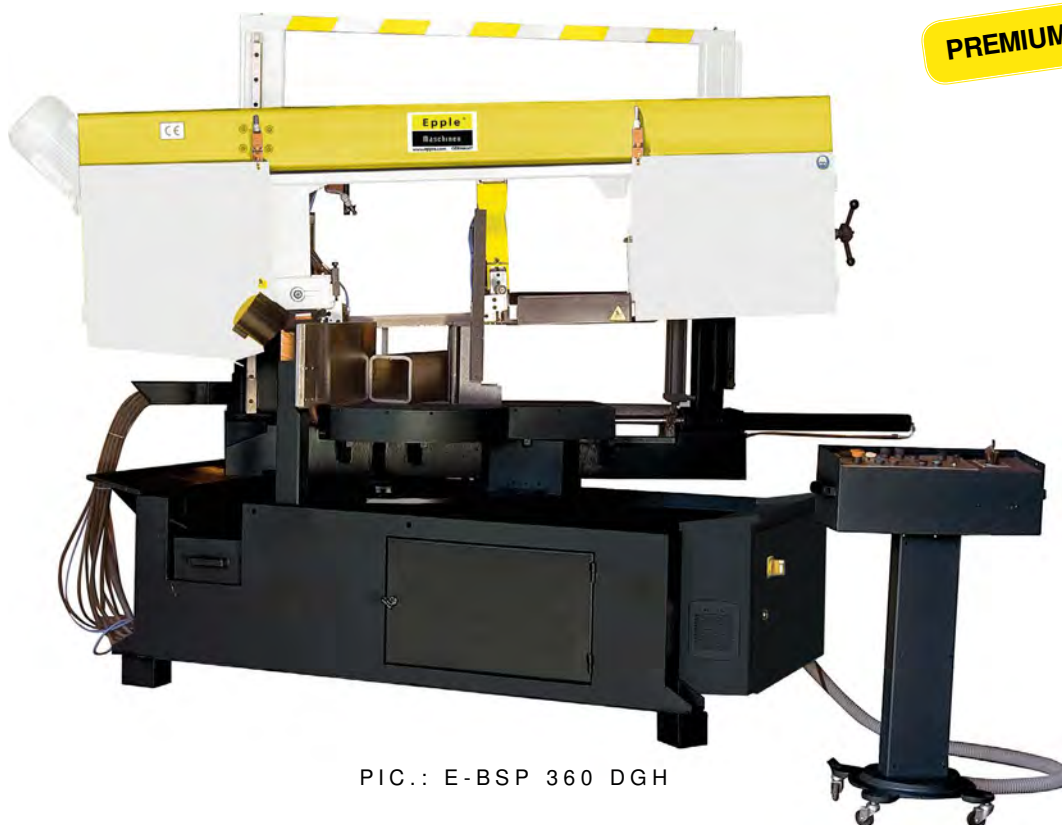
OTHER MACHINES

ACCESSORIES

E-BSP 360 DGH / E-BSP 440 DGH

METAL BAND SAW

PREMIUM-LINE



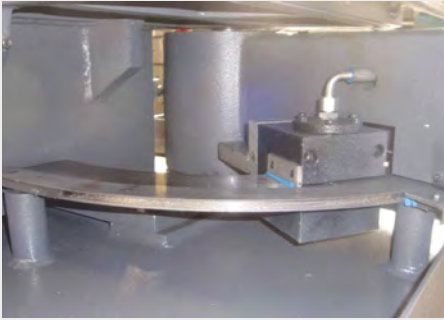
PIC.: E-BSP 360 DGH

You can find detailed equipment at page 259.

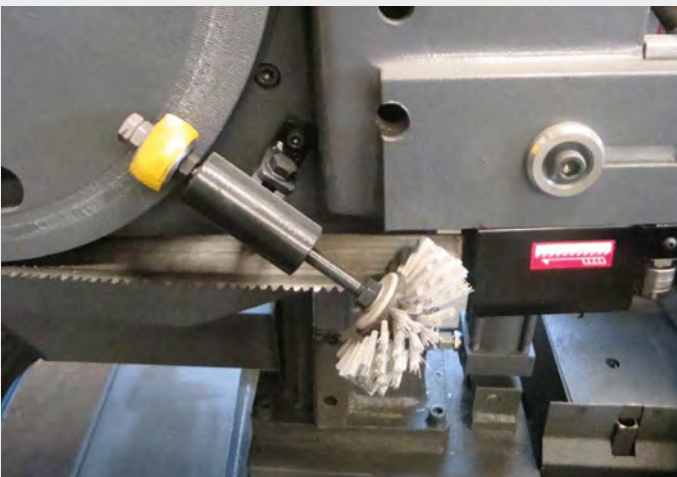
Description	E-BSP 360 DGH	E-BSP 440 DGH
cutting capacity 0°	circular 360 mm flat 640 x 360 mm rectangular 360 x 360 mm	circular 440 mm flat 640 x 440 mm rectangular 440 x 440 mm
mitre cut at +30° / -30°	circular 360 mm flat 510 x 360 mm rectangular 360 x 360 mm	circular 440 mm flat 510 x 440 mm rectangular 440 x 440 mm
mitre cut at +45° / -45°	circular 360 mm flat 390 x 360 mm rectangular 360 x 360 mm	circular 440 mm / 390 mm flat 400 x 440 mm / 390 x 440 mm rectangular 400 x 400 mm / 390 x 390 mm
mitre cut at +60°	circular 310 mm flat 250 x 360 mm rectangular 270 x 270 mm	circular 250 mm flat 250 x 440 mm rectangular 250 x 250 mm
mitre	from -30 up to +60°	from -30 up to +60°
cutting speed	20 - 100 m/min	20 - 100 m/min
saw band length	5.000 x 34 x 1,1 mm	5.200 x 41 x 1,3 mm
motor power	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 4 kW
dimensions (L x D x H)	3.000 x 1.200 x 1.910 mm	3.100 x 1.200 x 1.910 mm
inlet height	800 mm	800 mm
weight	1.635 kg	1.780 kg
	E-BSP 360 DGH	E-BSP 440 DGH
EAN	4260364298277	4260364290844
Item No.	330 1361	330 4440

E-BSP 360 DGH / E-BSP 440 DGH

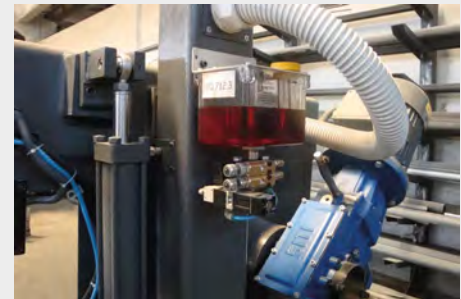
- » semi-automatic machine
- » double mitre
- » inverter equipped: stepless driving speed adjustment 20 - 100 m/min
- » hydraulic vice
- » digital display for angle display
- » hydraulic clamping of the saw arm, manual turning of the saw arm
- » saw arm swivel +60° / -30°
- » saw band inclined by 3°
- » automatic saw speed adaption by sensors
- » synchronization of strip guide and vice, saw bow made of solid steel
- » slant toothed, conical heavy duty gearbox
- » hydraulic vice clamping across the entire clamping area
- » large width of cut up to 640 mm
- » hydro mechanical strip tension readable on manometer
- » mobile control panel
- » high-quality hydraulic components
- » driven chip brush
- » stand and arm are heavy welded construction
- » profile rail is adjusted by linear technique for highly precise movement



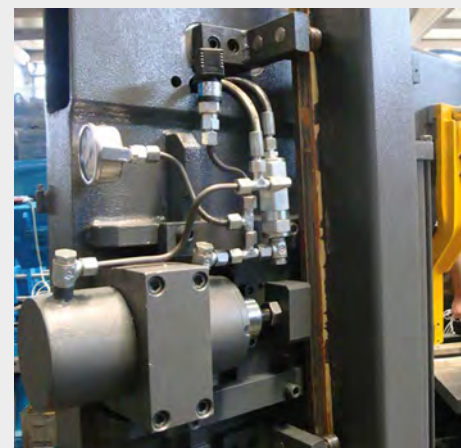
STANDARD



OPTIONAL



micro cooling system



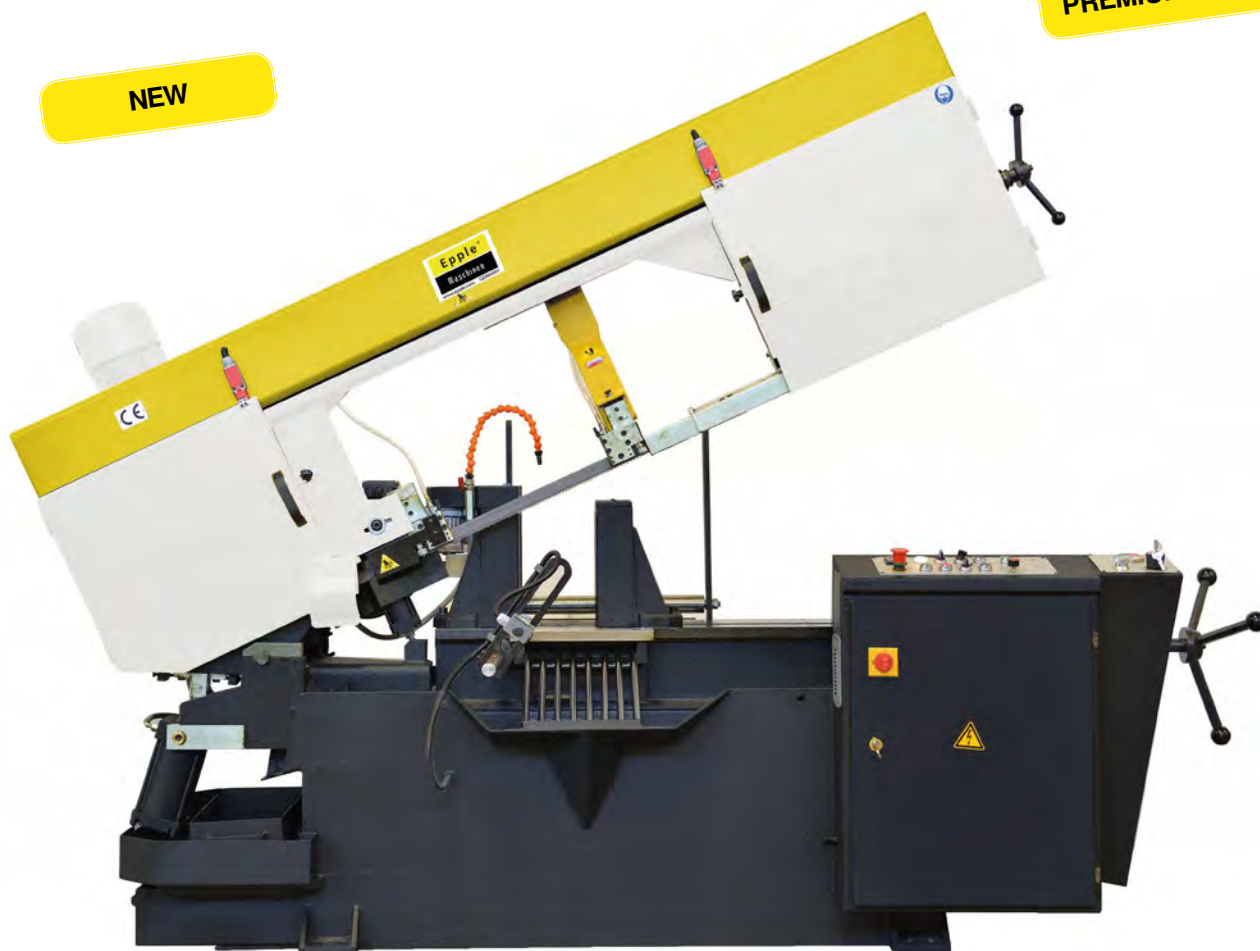
hydraulic blade tensioning

E-BS 440 V

METAL BAND SAW

NEW

PREMIUM-LINE



Metal Band Saw

Description	E-BS 440 V
cutting capacity circular	440 mm
cutting capacity flat	580 x 440 mm
cutting capacity rectangular	440 mm
motor power main driver	3 kW
power of the hydraulic pump	0,55 kW
motor power of the coolant pump	0,12 kW
band speed, stepless	20 - 100 m/min
saw band dimensions	5.200 x 34 x 1,1 mm
height of the working surface	735 mm
height	1.710 mm
length	2.630 mm
depth	1.110 mm
weight	1.140 kg
	E-BS 440 V
EAN	4260364296082
Item No.	330 2441

You can find detailed equipment at page 259.

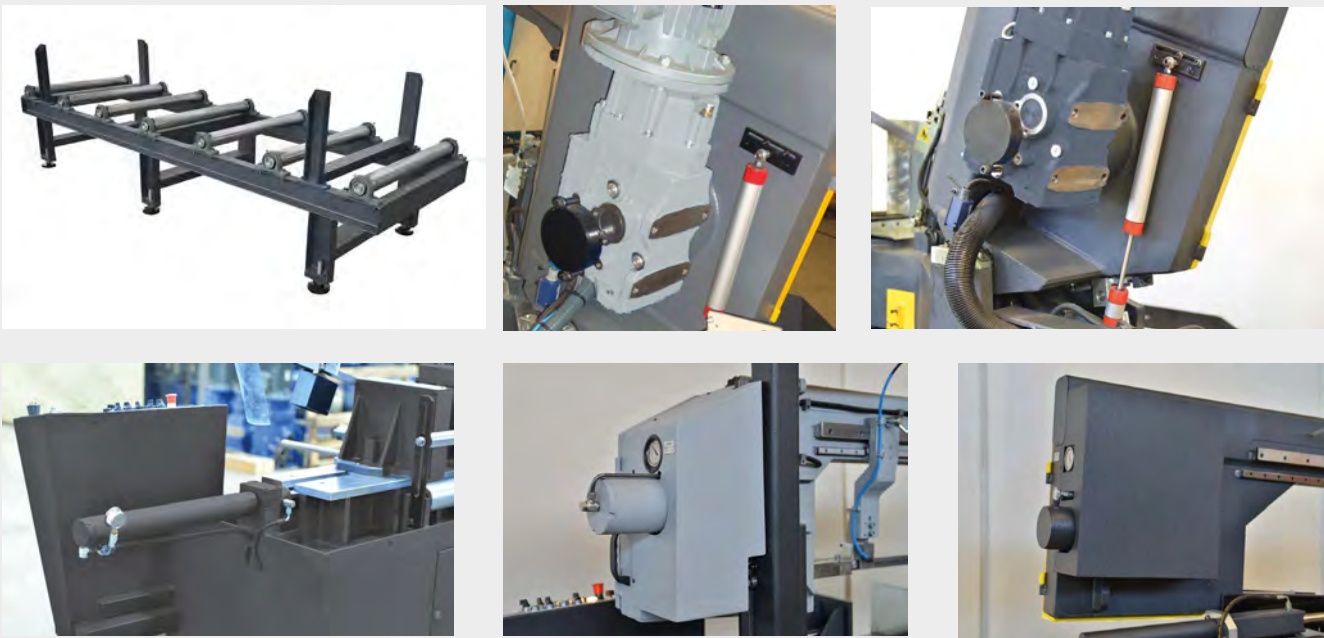
E-BS 440 V

- » fully automatic band saw for sawing thick-walled solid material, pipes and other profiles
- » roller feed of the material the front "tensioning rollers" are driven by a worm gear by means of an electric motor
- » the feed length of the material is preselected manually via an adjustable microswitch
- » the number of pieces to be cut is "controlled" by a piece counter
- » torsion-free welded construction with stable saw frame made of high-quality cast iron, made from one piece, guarantees smooth running, high cutting performance and long service life of the saw bands
- » infinitely variable belt speed
- » hydraulic mechanical tensioning
- » tape guide on hard metal plates and rolls
- » thermal overload protection and undervoltage release
- » automatic shutdown after cutting
- » infinitely variable overpressure control via hydraulic cylinder
- » automatic belt breakage protection

STANDARD



OPTIONAL



DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

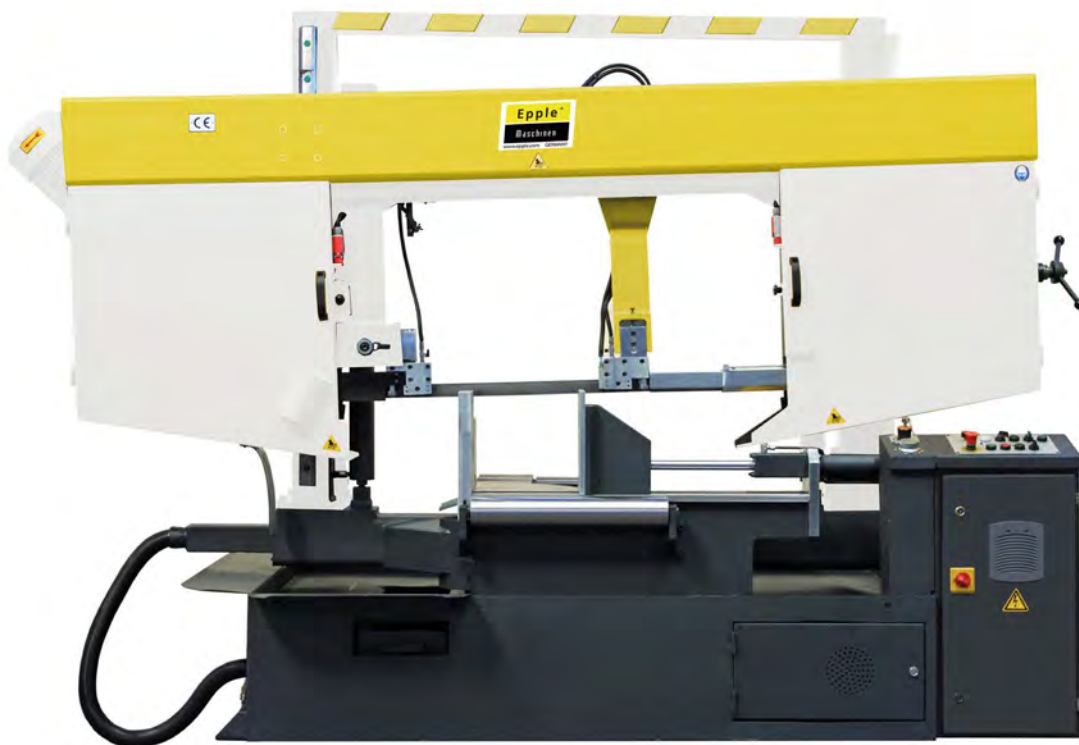
OTHER
MACHINES

ACCESSORIES

PREMIUM-LINE

E-BSP 540 GH

METAL BAND SAW



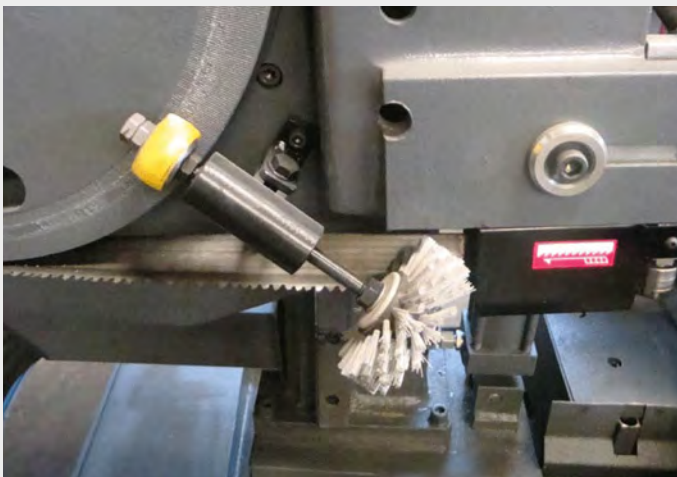
You can find detailed equipment at page 259.

Description	E-BSP 540 GH
cutting capacity 0°	circular 540 mm flat 750 x 540 mm rectangular 540 mm
mitre cut at +30°	circular 540 mm flat 600 x 540 mm rectangular 540 mm
mitre cut at +45°	circular 540 mm flat 450 x 540 mm rectangular 450 x 450 mm
mitre cut at +60°	circular 270 mm flat 250 x 540 mm rectangular 250 x 250 mm
mitre	up to +60°
cutting speed	20 - 100 m/min
saw band length	6.000 x 41 x 1,3 mm
motor power	400 V / 50 Hz / 4 kW
dimensions (L x D x H)	3.000 x 1.300 x 2.150 mm
inlet height	695 mm
weight	2.445 kg
	E-BSP 540 GH
EAN	4260364290851
Item No.	330 1540

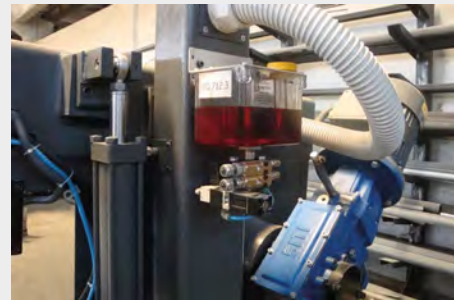
E-BSP 540 GH

- » semi-automatic machine
- » mitre
- » inverter standard = stepless speed adjustment 20 - 100 m/min
- » hydraulic vice
- » digital display for angular display
- » hydraulic clamping of the saw arm, saw arm turning by hand
- » saw band inclined by 3°
- » automatic saw speed adaption via sensors
- » synchronisation of belt guide and vice, saw bow made of solid steel
- » diagonal teethed and tapered heavy duty gear
- » hydraulic vice clamping over the entire clamping range
- » large cutting width up to 750 mm
- » hydromechanic tape tension readable via manometer
- » mobile control panel
- » high quality hydraulic components
- » driven chip brush
- » fundament and arm are massive welded constructions
- » vertical movement with high-precision linear guides

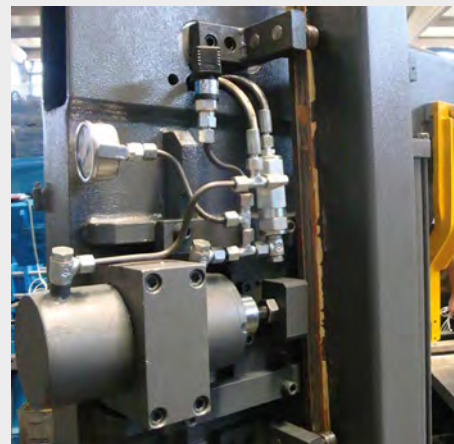
STANDARD



OPTIONAL



micro cooling system



hydraulic blade tensioning

E-BSP 560 DGH

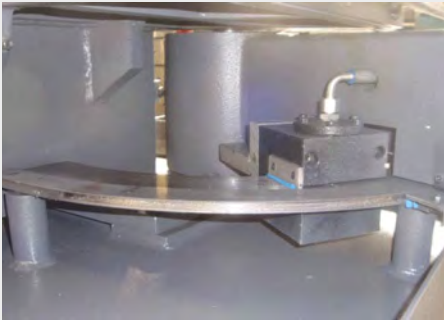
METAL BAND SAW

PREMIUM-LINE



Metal Band Saw

Desciption	E-BSP 560 DGH
cutting capacity 0°	circular 560 mm flat 820 x 540 mm rectangular 540 mm
mitre cut at -30°	circular 500 mm flat 705 x 540 mm rectangular 540 mm
mitre cut at -45°	circular 550 mm flat 550 x 540 mm rectangular 540 mm
mitre cut at +60°	circular 360 mm flat 360 x 540 mm rectangular 360 mm
mitre cut at +30°	circular 560 mm flat 705 x 540 mm rectangular 540 mm
mitre cut at +45°	circular 550 mm flat 550 x 540 mm rectangular 540 mm
mitre	+60° up to -45°
cutting speed	20 - 100 m/min
saw band length	6.800 x 41 x 1,3 mm
motor power	400 V / 50 Hz / 4 kW
dimensions (L x D x H)	3.800 x 1.750 x 2.350 mm
inlet height	880 mm
weight	3.200 kg
	E-BSP 560 DGH
EAN	4260364294361
Item No.	330 1560



E-BSP 560 DGH

- » semi-automatic machine
- » mitre
- » inverter standard = stepless speed adjustment 20 - 100 m/min
- » hydraulic vice
- » digital display for angular display
- » hydraulic clamping of the saw arm, saw arm turning by hand
- » saw band inclined by 3°
- » automatic saw speed adaption via sensors
- » synchronisation of belt guide and vice, saw bow made of solid steel
- » diagonal teathed and tapered heavy duty gear
- » hydraulic vice clamping over the entire clamping range
- » large cutting width up to 750 mm
- » hydromechanic tape tension readable via manometer
- » mobile control panel
- » high quality hydraulic components
- » driven chip brush
- » fundament and arm are massive welded constructions
- » vertical movement with high-precision linear guides

OPTIONAL



You can find detailed equipment at page 259.

E-BSP 570 CNC

METAL BAND SAW

PREMIUM-LINE



E-BSP 570 CNC

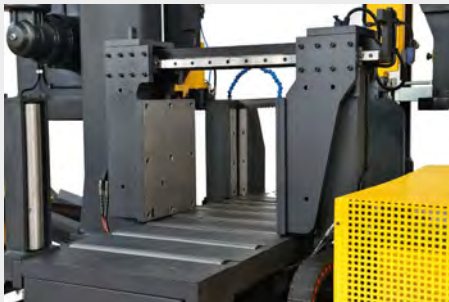
The new E-BSP 570 CNC was developed to maximize the production of heavy metals, profiles and tubes in large series with a fully automatic servo feeding and cutting system for our customers. Automatic controls and sensors maximize the performance / cost ratio and extend blade life by up to 50%.

Description	E-BSP 570 CNC
cutting capacity	circular 570 mm flat 600 x 570 mm rectangular 570 mm
hydraulic pump	2,2 kW
hydraulic pump motor	0,2 kW
chip conveyor	0,37 kW
servomotor power supply	2 kW
cutting speed	20 - 100 m/min
saw blade length	7.400 x 54 x 1,6 mm
motor power	400 V / 50 Hz / 7,5 kW
dimensions (L x D x H)	3.500 x 2.000 x 2.700 mm
inlet height	805 mm
weight	5.900 kg
	E-BSP 570 CNC
EAN	4260364297355
Item No.	330 2570

E-BSP 570 CNC

- » intelligent cutting and user-friendly touch screen with Omron CNC cutting program
- » ability to store up to 50 different cutting lengths in 100 different programs
- » cutting-parameter are CNC-controlled for optimal processing of the workpiece
- » manual input of cutting parameters
- » servo feeding with 700 mm stroke
- » the guide arm moves on a linear guideway and moves in coordination with the movable vice jaw
- » hydraulically operated carbide blade guides
- » motion detector and automatic deflection sensor
- » vibration-free cutting with 3 linear paths
- » motorized chip brush
- » planetary gear

STANDARD



OPTIONAL

- » Hydraulic Top-Clamping
- » 15 kW Motor



Hexagonal vice for bundling pipes



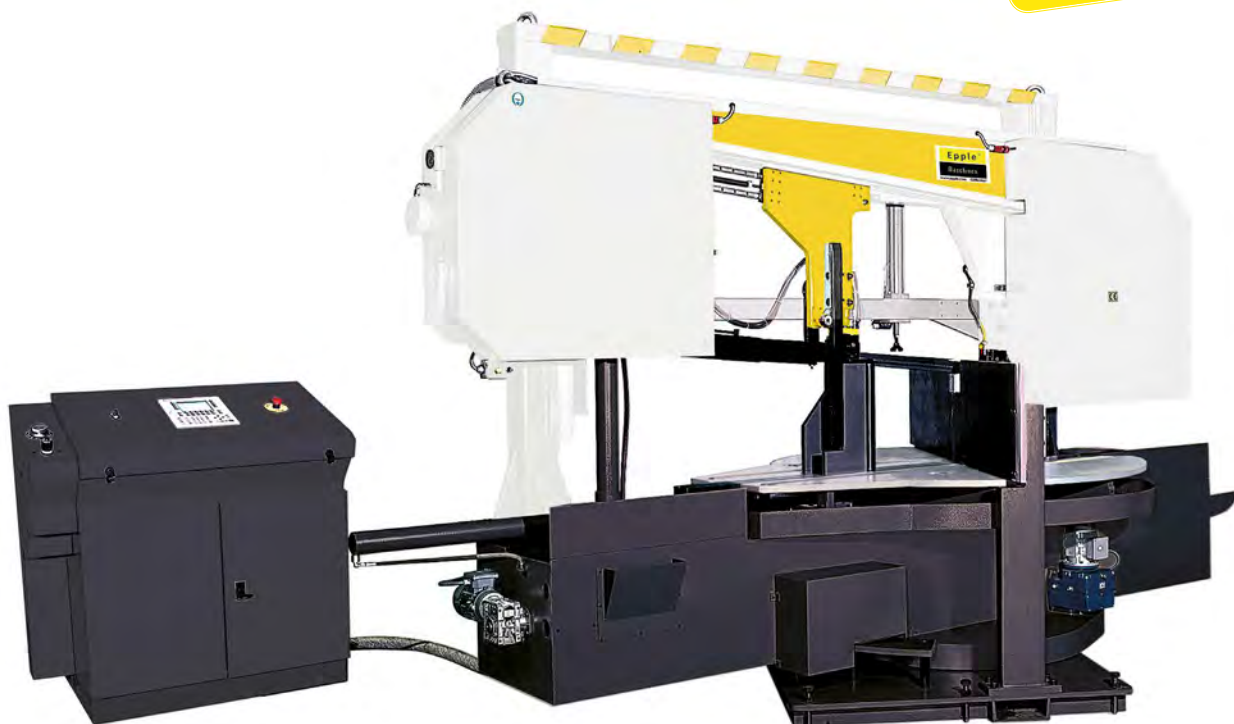
Microspray-coolant system

You can find detailed equipment at page 259.

E-BSP 650 DGH NC

METAL BAND SAW

PREMIUM-LINE



Metal Band Saw

Description	E-BSP 650 DGH NC
cutting capacity 0°	circular 650 mm flat 1.000 x 600 mm rectangular 600 x 600 mm
mitre cut at +30° / -30°	circular 650 mm flat 840 x 600 mm rectangular 600 x 600 mm
mitre cut at +45° / -45°	circular 650 mm flat 660 x 600 mm rectangular 600 x 600 mm
mitre cut at 60°	circular 440 mm flat 440 x 600 mm rectangular 440 x 440 mm
mitre	from -30° up to +60°
cutting speed	20 - 100 m/min
saw band length	8.400 x 54 x 1,6 mm
motor power	400 V / 50 Hz / 7,5 kW
dimensions (L x D x H)	4.750 x 1.970 x 2.630 mm
inlet height	880 mm
weight	6.520 kg
	E-BSP 650 DGH-NC
EAN	4260364290868
Item No.	330 5650

E-BSP 650 DGH NC

- » semi-automatic machine
- » double mitre
- » inverter equipped: stepless speed adjustment 20 - 100 m/min
- » hydraulic vice
- » hydraulic strip clamping
- » arm swivel NC-controlled from -45° to +60°
- » saw band inclined by 5°
- » stepless adjustable lowering speed
- » motor driven chip conveyor
- » motor driven chip brush
- » rapid sensor controlled positioning of the saw bow to the material
- » synchronization of the band guide and the vice
- » slant toothed, conical heavy duty gearbox
- » large cutting width up to 1.000 mm
- » saw bow made of solid steel
- » high-quality hydraulic components
- » profile rail in linear technique for precise adjustments

STANDARD



OPTIONAL



You can find detailed equipment at page 259.

E-BSP 810 GH

METAL BAND SAW

PREMIUM-LINE



Metal Band Saw

E-BSP 810 GH

- » semi-automatic machine
- » mitre
- » inverter equipped: stepless driving speed adjustment 20 - 100 m/min
- » hydraulic vice
- » digital readout for angle display
- » hydraulic clamping of the saw arm, manual turning of saw arm
- » saw band inlined for 3°
- » automatic saw speed adaption by sensors
- » synchronization of strip guide and vice, saw bow made of solid steel
- » slant toothed, conical heavy duty gearbox
- » hydraulic strip clamping
- » large cutting width up to 810 mm
- » hydromechanical tape tension readable via manometer
- » high-quality hydraulic components
- » powered chip brush
- » stand and arm made of heavy welded construction
- » vertical movement with high-precision linear guides

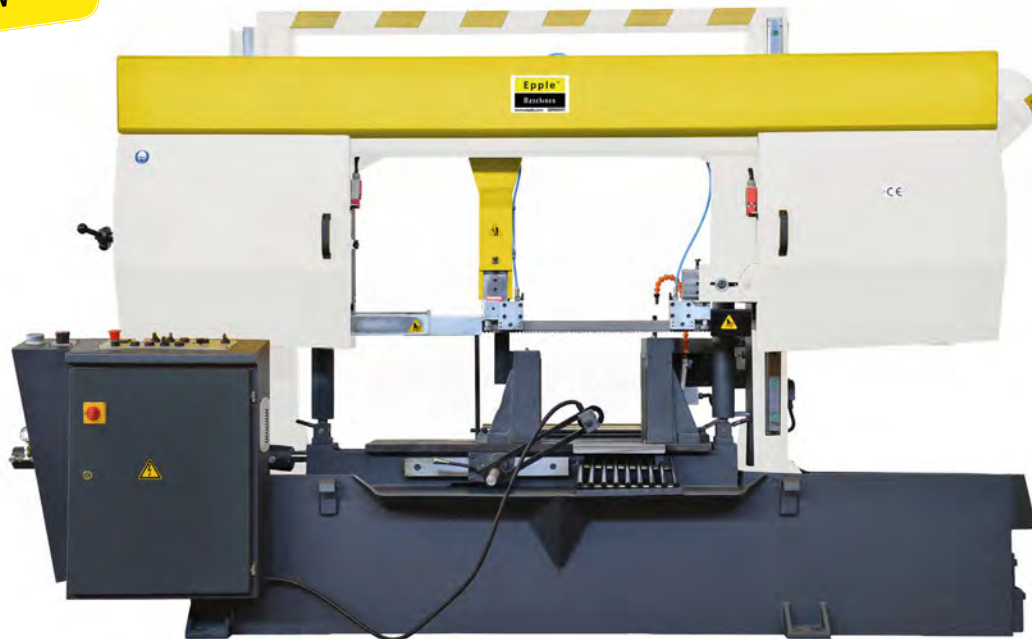
Description	E-BSP 810 GH
cutting capacity 0°	circular 810 mm flat 750 x 910 mm rectangular 750 mm
mitre cut at +30°	circular 760 mm flat 740 x 750 mm rectangular 740 mm
mitre cut at +45°	circular 600 mm flat 750 x 600 mm rectangular 600 mm
mitre cut at +60°	circular 360 mm flat 750 x 360 mm rectangular 360 mm
mitre	up to +60°
cutting speed	20 - 100 m/min
saw band length	8.200 x 41 x 1,3 mm
motor power	400 V / 50 Hz / 4 kW
dimensions (L x D x H)	4.020 x 1.630 x 2.450 mm
inlet height	725 mm
weight	3.970 kg
	E-BSP 810 GH
EAN	4260364290875
Item No.	330 1810

E-BSP 820 H

METAL BAND SAW

NEW

PREMIUM-LINE



The **E-BSP 820 H** is a semi-automatic machine in two-column construction, which is ideally suited for cutting full material as well as pipes, profiles and girders in steel cutting with its middle cutting range (round to 820 mm, flat 820 x 800 mm). Only 90° cuts are possible with this machine. Precision hard metal saw blade guides as well as a sturdy, rigid construction of the machine ensure a precise cut. The basic equipment of this machine includes a full stroke lifting cylinder, a continuously adjustable belt speed. The saw blade runs over a large drive and deflection wheel which ensures a longest possible service life.

You can find detailed equipment at page 259.

Description	E-BSP 820 H
cutting capacity circular	820 mm
cutting capacity flat	850 x 820 mm
cutting capacity rectangular	820 x 820 mm
motor power main driver	7,5 kW
power of the hydraulic pump	1,5 kW
motor power of the coolant pump	0,12 kW
band speed, stepless	20 - 100 m/min
saw band dimensions	8.200 x 54 x 1,6 mm
height of the working surface	585 mm
weight	3.424 kg
length	3.900 mm
depth	1.200 mm
height	3.424 mm
	E-BSP 820 H
EAN	4260364296099
Item No.	330 1820

E-BSP 1.020 H

METAL BAND SAW

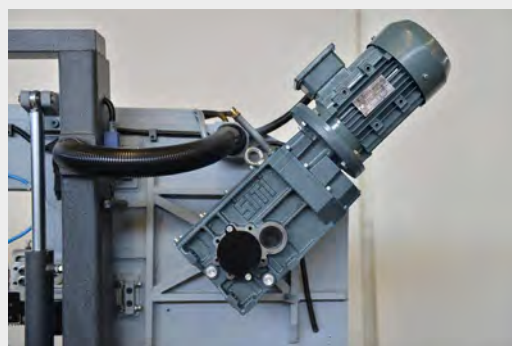
NEW

PREMIUM-LINE



Metal Band Saw

Description	E-BSP 1.020 H
cutting capacity 0°	circular 1.020 mm flat 1.020 x 1.020 mm rectangular 1.020 mm
mitre cut at +45°	circular 675 mm flat 675 x 1.020 mm rectangular 675 mm
mitre	up to +45°
cutting speed	20 - 100 m/min
saw band length	9.500 x 54 x 1,6 mm
motor power	400 V / 50 Hz / 7,5 kW
dimensions (L x D x H)	4.500 x 1.700 x 2.750 mm
inlet height	535 mm
weight	5.860 kg
	E-BSP 1.020 H
EAN	4260364294378
Item No.	330 1020



PIC.: BEVEL-GEAR

E-BSP 1.020 H

STANDARD EQUIPMENT

- » inverter
- » hydraulic saw band tension
- » pressure adjustable
- » optical height adjustment
- » material transport rollers front/rear

OPTIONAL EQUIPMENT

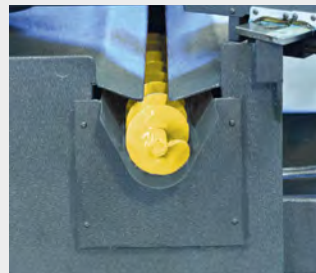
- » chip conveyor
- » micro lubrication system
- » 3 m Material roll table
- » 3 m motorized roller table

E-BSP 1.020 H

- » hydraulic vice
- » digital display for angle display
- » substructure and arm heavy welding construction
- » synchronization of tape guide and vice
- » sawframe made of solid steel
- » mobile control panel
- » high-quality hydraulic components



PIC.: CONTROL PANEL



PIC.: OPTIONAL:
CHIP CONVEYOR

PIC.: BACKSIDE OF E-BSP 1.020 H



E-BSP 1.110 H / E-BSP 1.110 HL

METAL BAND SAWS

NEU

PREMIUM-LINE



PIC.: E-BSP 1.110 H

Description	E-BSP 1.110 H	E-BSP 1.110 HL
cutting capacity circular	1.110 mm	1.110 mm
cutting capacity flat	1.110 x 1.110 mm	1.110 x 1.300 mm
cutting capacity rectangular	1.110 mm	1.110 mm
motor power main driver	11 kW	11 kW
power of the hydraulic pump	4 kW	7,5 kW
motor power of the coolant pump	0,2 kW	0,2 kW
band speed, stepless	20 - 100 m/min	20 - 100 m/min
saw band dimensions	10.500 x 67 x 1,6 mm	10.900 x 67 x 1,6 mm
height of the working surface	545 mm	545 mm
height	2.975 mm	2.975 mm
length	4.800 mm	5.300 mm
width	1.500 mm	1.500 mm
weight	10.440 kg	11.390 kg
	E-BSP 1.110 H	E-BSP 1.110 HL
EAN	4260364296105	4260364296112
Item No.	330 1110	330 1113

The **E-BSP 1.110 H** and **E-BSP 1.110 HL** are semi-automatic machines in two-column construction, which are ideal for cutting solid material as well as pipes, profiles and beams in the middle section (up to 1.110 mm, flat 1.110 x 1.110 mm or 1.300 x 1.110 mm) steel cutting is suitable. With this machine are only 90° cuts possible. Precision hard metal saw blade guides as well as a sturdy, rigid construction of the machine ensure a precise cut. The basic equipment of this machine includes a full stroke lifting cylinder, a continuously adjustable belt speed. The saw blade runs over a large drive and deflection wheel which ensures a longest possible service life.

STANDARD



OPTIONAL



E-BSP 1.313 H / E-BSP 1.515 H

METAL BAND SAWS

PREMIUM-LINE



Metal Band Saw

Description	E-BSP 1.313 H	E-BSP 1.515 H
cutting capacity circular	1.300 mm	1.500 mm
cutting capacity flat	1.300 x 1.300 mm	1.510 x 1.500 mm
cutting capacity rectangular	1.300 mm	1.500 mm
motor power main driver	11 kW	15 kW
power of the hydraulic pump	7,5 kW	7,5 kW
motor power of the coolant pump	0,2 kW	2 x 0,2 kW
band speed, stepless	20 - 100 m/min	10 - 70 m/min
saw band dimensions	12.100 x 67 x 1,6 mm	13.300 x 80 x 1,6 mm
height of the working surface	545 mm	545 mm
height	3.175 mm	4.055 mm
length	5.300 mm	6.400 mm
depth	1.500 mm	2.250 mm
weight	11.500 kg	25.320 kg
	E-BSP 1.313 H	E-BSP 1.515 H
EAN	4260364296129	4260364296136
Item No.	330 1300	330 1515

E-BSP 1.313 H and E-BSP 1.515 H are semi-automatic machines in two-column construction, which is ideally suited for cutting full material as well as pipes, profiles and beams in steel cutting with its cutting range (**E-BSP 1.313 H**: circular up to 1.300 mm, flat 1.300 x 1.300 mm; **E-BSP 1.515 H**: circular up to 1.500 mm, flat 1.510 x 1.500 mm).

Precision hard metal saw blade guides as well as sturdy, rigid construction of the machine ensure a precise cut. The basic machine includes a full stroke lifting cylinder, a continuously adjustable belt speed. The saw blade runs over a large drive and deflection wheel which ensures a longest possible service life. The band speed is stepless adjustable.

STANDARD



OPTIONAL



DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

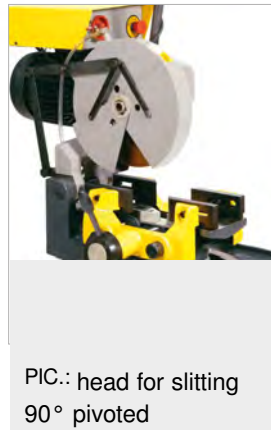
ACCESSORIES

KKS 315 L / KKS 315 SA

CIRCULAR COLD SAWS



PIC.: KKS 315 L



PIC.: head for slitting
90° pivoted



PIC.: KKS 315 SA

KKS 315 L / KKS 315 SA

- » 2-step motor
- » electric coolant pump
- » gear head for slitting pivoting 90° to the right (see small illustration) and 30° to the left
- » automatically opening safety saw blade protection cover
- » vice with parallel tensioning and four separately adjustable vice jaws
- » vice jaws horizontally adjustable for the best possible material clamping during mitre cuts
- » base with integrated coolant device

OPTIONAL EQUIPMENT

- » coolant emulsion

Description	KKS 315 L	KKS 315 SA
blade size	max. 315 mm	max. 315 mm
saw blade hole	40 mm	40 mm
head rotation	90° right, 30° left	±90°
cutting range at 90° circular	100 mm	70 mm
cutting range at 90° square	100 x 100 mm	90 x 80 mm
cutting range at 90° rect.	140 x 90 mm	70 x 70 mm
cutting range at 45° circular	90 mm	70 mm
cutting range at 45° square	90 x 90 mm	70 x 70 mm
cutting range at 45° rect.	100 x 90 mm	80 x 70 mm
vice opened	145 mm	140 mm
speed	18 / 36 min ⁻¹	19 / 38 min ⁻¹
motor power	400 V / 50 Hz 750 Watt / 1,3 kW	400 V / 50 Hz 750 Watt / 1,5 kW
dimensions (L x D x H)	800 x 550 x 1.700 mm	905 x 550 x 1.350 mm
inlet height	970 mm	930 mm
weight	227 kg	270 kg
	KKS 315 L	KKS 315 SA
EAN	4260364290882	4260364290899
Item No.	240 1315	240 2315

E-MKS 315 / E-MKS 315 P / E-MKS 315 SA NC

METAL CIRCULAR SAW

NEW

PREMIUM-LINE

- E-MKS 315** (MANUAL MACHINE)
- E-MKS 315 P** (MANUAL MACHINE WITH PNEUMATIC VICE)
- E-MKS 315 SA NC** (SEMI-AUTOMATIC MACHINE WITH PNEUMATIC VICE)

- » 2-step motor
- » drive 400 V, 50 Hz
- » activation 24 V
- » gearhead can be swivelled by $\pm 45^\circ$
- » automatically opening safety saw blade protective hood
- » substructure
- » microspray device (E-MKS 315 SA NC)

OPTIONAL EQUIPMENT

- » speed range lower
- » coolant emulsion
- » coolant system with tank
- » concentrate for coolant system
- » roller conveyor
- » saw blades



PIC.: E-MKS 315 SA

Description	E-MKS 315	E-MKS 315 P	E-MKS 315 SA NC
blade size	315 mm	315 mm	315 mm
saw blade hole	32 mm	32 mm	32 mm
head rotation	$\pm 45^\circ$	$\pm 45^\circ$	$\pm 45^\circ$
cutting range at 0° circular	105 mm	105 mm	105 mm
cutting range at 0° square	85 x 85 mm	85 x 85 mm	85 x 85 mm
cutting range at 0° rect.	120 x 70	120 x 70	120 x 70
cutting range at 45° circular	90 mm	90 mm	90 mm
cutting range at 45° square	80 x 80 mm	80 x 80 mm	80 x 80 mm
cutting range at 45° rect.	90 x 60 mm	90 x 60 mm	90 x 60 mm
vice opened	120 mm	120 mm	120 mm
speed	45 / 90 min ⁻¹	45 / 90 min ⁻¹	45 / 90 min ⁻¹
motor power	1,5 / 1,9 kW	1,5 / 1,9 kW	1,5 / 1,9 kW
dimensions (L x D x H)	700 x 1.200 x 1.350 mm	700 x 1.200 x 1.350 mm	700 x 1.200 x 1.350 mm
inlet height	1.200 mm	1.200 mm	1.200 mm
weight	190 kg	190 kg	210 kg
	E-MKS 315	E-MKS 315 P	E-MKS 315 SA NC
EAN	4260364298246	4260364298253	4260364298260
Item No.	340 1315	340 3315	340 2315

E-KKS 350 V

FULLY AUTOMATIC CIRCLE SAW

NEW

PREMIUM-LINE



Circular Saw

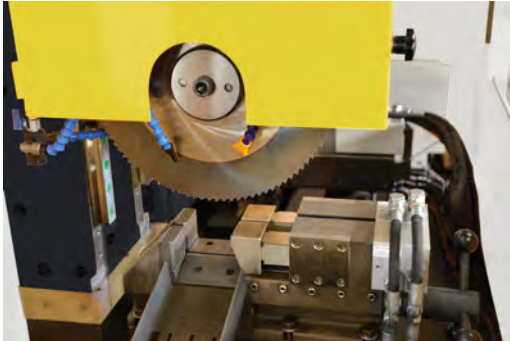
For technical data check page 121.

E-KKS 350 V

- » sawing head with very stable vertical guide, prevents vibration of the saw blade
- » stepless vertical feed 20 - 100 m/min
- » material guidance by servo motor, infeed accuracy +/-0,05 bis 0,1 mm (per stroke)
- » transmission design for maximum service life sawing
- » material feed is designed for slight parallelism to compensate
- » intuitive and user-friendly operation with touch screen
- » possibility to program several cutting lengths per part
- » safety covers for maximum operator protection and comfort

Saw blade not included.

E-KKS 350 V



CUTTING EXAMPLES

- » diameter 50 mm, length 100 mm, cycle period 20 sec
- » diameter 75 mm, length 50 mm, cycle period 31 sec

OPTIONAL EQUIPMENT

- » chip conveyor



TECHNICAL DATA

Description	E-KKS 350 V
cutting capacity circular	20 - 80 mm
vice opened	max. 85 mm
max. material feed path	500 mm
saw blade speed	20 - 100 m/min
blade size	260 - 350 mm
working height	900 mm
motor power	5,5 kW
servomotor feed	1,0 kW
dimensions (L x D x H)	1.700 x 1.600 x 2.170 mm
weight	1.425 kg

	E-KKS 350 V
EAN	4260364296174
Item No.	340 2350

AKS 400

ALUMINUM CIRCULAR SAW

Aluminium Saw



AKS 400

- » semi-automatic cutting machine for cutting of aluminum and aluminum alloys: solid material and profiles
- » stable and strong construction
- » simple and easy operation
- » precise cut
- » rotating saw head 60° to the left and 45° to the right
- » 2 pneumatic quick action vices with PTFE coated jaws



PIC.: WITH ROLLER CONVEYOR LEFT AND RIGHT OPTIONAL

Description	AKS 400
blade size	420 x 30 mm
head rotation	-60° up to +45°
cutting range at 90° circular	90 mm
cutting range at 90° square	120 x 120 mm
cutting range at 90° rectangular	200 x 110 mm
cutting range at 45° circular	80 mm
cutting range at 45° square	110 x 110 mm
cutting range at 45° rectangular	150 x 100 mm
speed	3.000 min ⁻¹
motor power	400 V / 50 Hz / 2,2 kW
dimensions (L x D x H)	1.200 x 970 x 1.500 mm
weight	275 kg
	AKS 400
EAN	4260364290929
Item No.	241 0400

	Roller Conveyor for AKS 400 left / right
EAN	4260364297300
Item No.	532 0403

E- UAKS 400 / E-UAKS 450 / E-UAKS 550

ALUMINUM CIRCULAR SAW

NEW

PREMIUM-LINE

E-UAKS 450 / E-UAKS 550

- » Semi-automatic machine for the cutting of solid material and profiles in aluminum and light alloys
- » stable and strong construction
- » simple and easy operation
- » precise cut
- » mitre in both directions
- » 2 pneumatic quick action vices with PTFE coated jaws

OPTIONAL VERSION

sensitive cut regulation
(Model **E-UAKS 450 SR** and **E-UAKS 550 SR**) on request.



PIC.: E-UAKS 450

Description	E-UAKS 400	E-UAKS 450	E-UAKS 550
blade size	400 x 32 mm	450 x 32 mm	550 x 32 mm
head rotation	-45° up to +45°	-45° up to +45°	-45° up to +45°
cutting range at 90° circular	110 mm	115 mm	155 mm
cutting range at 90° square	110 x 110 mm	115 x 115 mm	155 x 155 mm
cutting range at 90° rectangular	110 x 110 mm	115 x 155 mm	180 x 155 mm
cutting range at 45° circular	130 mm	90 mm	130 mm
cutting range at 45° square	130 x 130 mm	90 x 90 mm	130 x 130 mm
cutting range at 45° rectangular	80 x 110 mm	105 x 115 mm	130 x 140 mm
speed	3.000 min ⁻¹	3.000 min ⁻¹	3.000 min ⁻¹
motor power	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 3 kW
dimensions (L x D x H)	980 x 1.130 x 1.430 mm	850 x 970 x 1.370 mm	980 x 1.130 x 1.430 mm
weight	220 kg	180 kg	220 kg
	E-UAKS 400	E-UAKS 450	E-UAKS 550
EAN	4260364298284	4260364298536	4260364298543
Item No.	340 0400	340 0450	340 0550

E-AKS-F 350 / E-AKS-F 400

ALUMINUM CIRCULAR SAW WITH VERTICAL GUIDANCE OF THE
SAW HEAD

NEW

PREMIUM-LINE



E-AKS-F 350 / E-AKS-F 400

- » semi-automatic vertical circular saw
- » hardened vertical guides
- » hydropneumatic feed for even saw cut
- » foot pedal
- » saw head with heavy-duty worm gearbox
- » stepless speed adjustment
(only Model E-AKS-F 400)
- » mitre setting from -45° up to +60°
- » with coolant device and chip container

OPTIONAL EQUIPMENT

- » roller block
- » roller conveyor
- » saw blade

Circular Saw

Description	E-AKS-F 350	E-AKS-F 400
saw blade diameter	350 mm	400 mm
saw blade bore	32 mm	40/50 mm
cutting capacity 90° circular	110 mm	120 mm
cutting capacity 90° square	90 x 90 mm	110 x 110 mm
cutting capacity 90° rectangular	160 x 90 mm	160 x 90 mm
cutting capacity 45° circular	110 mm	120 mm
cutting capacity 45° square	90 x 90 mm	100 x 100 mm
cutting capacity 45° rectangular	120 x 80 mm	120 x 90 mm
cutting capacity 60° circular	90 mm	90 mm
cutting capacity 60° square	80 x 80 mm	90 x 90 mm
cutting capacity 60° rectangular	80 x 80 mm	90 x 90 mm
speeds	36 / 72 min ⁻¹	20 - 70 min ⁻¹
motor power	400 V / 50 Hz / 3,1 kW	400 V / 50 Hz / 3,1 kW
dimensions (L x D x H)	1.000 x 80 x 1.800 mm	1.202 x 1.085 x 1.758 mm
weight	480 kg	540 kg
	E-AKS-F 350	E-AKS-F 400
EAN	4260364298505	4260364298512
Item No.	340 1350	340 1400

Saw blade is not included in scope of delivery.

E-AKS 315 NC

ALUMINUM CIRCULAR SAW WITH AUTOMATIC MATERIAL FEED AND PLC-CONTROL

NEW

PREMIUM-LINE



E-KS 315 NC

- » machine for straight saw cuts with servo-controlled material feed
- » hydropneumatic saw cut
- » two speeds
- » PLC-control
- » coloured touch screen
- » up to four cutting lengths per part
- » cut positioning $\pm 0,3$ mm
- » coolant tank and pump included

OPTIONAL EQUIPMENT

- » roller block
- » saw blade

Description	E-AKS 315 NC
saw blade diameter	315 mm
saw blade bore	32 mm
cutting capacity 90° circular	100 mm
cutting capacity 90° square	80 x 80 mm
cutting capacity 90° rectangular	110 x 80 mm
cutting capacity 45° circular	-
cutting capacity 45° square	-
cutting capacity 45° rectangular	-
cutting capacity 60° circular	-
cutting capacity 60° square	-
cutting capacity 60° rectangular	-
speeds	40 / 80 min ⁻¹
motor power	400 V / 50 Hz / 3 kW
dimensions (L x D x H)	1.900 x 1.350 x 1.400 mm
weight	620 kg
	E-AKS 315 NC
EAN	4260364298529
Item No.	340 0315

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

E-AKS 2L-420 / E-AKS 2L-450 / E-AKS 2L-500

DOUBLE MITRE ALUMINUM CIRCULAR SAW

NEW

PREMIUM-LINE



PIC.: E-AKS 2L-450

Universal aluminum circular sawing machine with two mitre joint working heads. Aluminum or plastic profiles cannot only be sawn to length, but also mitred on both sides at the same time.

Delivery without saw blade.
Saw blades must be ordered according to application.
If required, we're happy to advise you.

E-AKS 2L-420 / E-AKS 2L-450 / E-AKS 2L-500

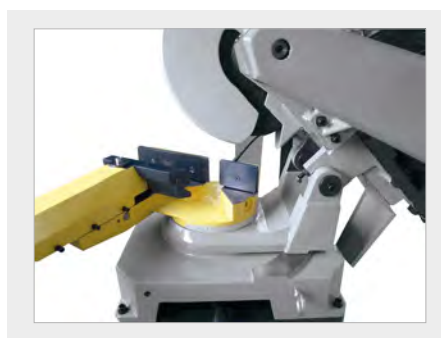
Double mitre saws are used for cutting plastic or aluminum profiles to length and mitre cutting at the same time. Two mitre saws are mounted on a stable substructure, the distance between is adjustable. The profiles can be clamped pneumatically.

Description	E-AKS 2L-420	E-AKS 2L-450	E-AKS 2L-500
blade size	420 x 32 x 4 mm	450 x 32 x 4 mm	500 x 32 x 4 mm
head rotation	-45° up to +45°	-45° up to +45°	-45° up to +45°
cutting range at 90° circular	100 mm	135 mm	135 mm / 150 mm
cutting range at 90° square	100 x 100 mm	135 x 135 mm	135 x 135 mm / 150 x 150 mm
cutting range at 90° rectangular	100 x 160 mm	100 x 200 mm	100 x 200 mm / 100 x 220 mm
cutting range at 45° circular	100 mm	120 mm	120 mm / 130 mm
cutting range at 45° square	100 x 100 mm	120 x 120 mm	120 x 120 mm / 130 x 130 mm
cutting range at 45° rectangular	110 x 100 mm	100 x 140 mm	100 x 140 mm / 100 x 160 mm
workpiece length	630 - 5.000 mm	630 - 5.000 mm	630 - 5.000 mm
speed	3.000 min ⁻¹	3.000 min ⁻¹	3.000 min ⁻¹
motor power	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW
dimensions (L x D x H)	4.100 x 1.680 x 1.170 mm	4.000 x 1.720 x 1.250 mm	4.000 x 1.720 x 1.250 mm
weight	680 kg	800 kg	800 kg
	E-AKS 2L-420	E-AKS 2L-450	E-AKS 2L-500
EAN	4260364298550	4260364297850	4260364298567
Item No.	340 2420	340 2450	340 2500

TM 350 / E-TM 350 PROFI CUTTING MACHINE



PIC.: TM 350



TM 350 / E-TM 350 PROFI

- » stationary cutting machine with cutting disc for solid materials and profiles
- » solid and forceful construction
- » easy to operate
- » turnable saw head 45° to the left & right
- » main switch and load protection
- » control handle with security switch

OPTIONAL EQUIPMENT

- » Model PROFI with extensibilities
- » roller block
- » roller conveyor

Description	TM 350
cut-off wheel diameter	350 mm
head rotation	±45°
cutting range at 90° circular	120 mm
cutting range at 90° square	120 x 120 mm
cutting range at 90° rectangular	80 x 120 mm
cutting range at 45° circular	105 mm
cutting range at 45° square	105 x 105 mm
cutting range at 45° rectangular	90 x 100 mm
vice opened	190 mm
speed	4.300 min ⁻¹
motor power	400 V / 50 Hz / 4 kW
dimensions (L x D x H)	970 x 620 x 1.700 mm
inlet height	890 mm
weight	230 kg

	E-TM 350 PROFI
EAN	4260364298574
Item No.	341 0350

	TM 350
EAN	4260364290912
Item No.	241 0350

VBS 400 / VBS 500 / VBS 585

VERTICAL BAND SAWS

NEW



- » user-friendly vertical band saw for metal
- » table swivelable -45° to the right and -15° to the left
- » infinitely variable cutting speed
- » adjustable tape guide
- » tape cutting device
- » tape welding device
- » tape grinding machine
- » LED working light

PIC.: VBS 500

Description	VBS 400	VBS 500	VBS 585
table size	550 x 600 mm	660 x 700 mm	660 x 700 mm
space between stand + saw band	400 mm	500 mm	585 mm
max. workpiece height	285 mm	310 mm	336 mm
cutting speed	0 - 1.400 min ⁻¹	0 - 1.400 min ⁻¹	0 - 1.400 min ⁻¹
saw band length	3.390 - 3.467 mm	3.980 - 4.050 mm	4.430 - 4.520 mm
motor power	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW
dimensions (L x D x H)	1.080 x 800 x 2.000 mm	1.400 x 900 x 2.200 mm	1.470 x 950 x 2.300 mm
inlet height	700 mm	700 mm	700 mm
weight	310 kg	484 kg	555 kg
	VBS 400	VBS 500	VBS 585
EAN	4260364296143	4260364296150	4260364296167
Item No.	241 1400	241 0500	241 0585



Grinding

DS 150 / DS 175 / DS 200-400 V

DOUBLE ENDED GRINDERS



PIC.: DS 175

Grinding Machine

DS 150 / DS 175 / DS 200-400 V

- » solid quality double ended grinder for the professional machining of work parts of metal
- » adequate for long-term work
- » massive stable construction with maintenance free electro motors
- » high smoothness and longevity by balanced rotor with quality ball bearings
- » aluminium casting body
- » protection of flying sparks by 2 makrolon covers
- » adjustable and massive work part plating
- » scope of supply: 2 universal aluminium oxide abrasive wheel

Description	DS 150	DS 175	DS 200-400 V
dimensions of grinding disk / bore	Ø 150 x 20, Ø 16 mm	Ø 175 x 20, Ø 32 mm	Ø 200 x 25, Ø 32 mm
speed	2.850 min ⁻¹	2.850 min ⁻¹	2.850 min ⁻¹
motor power	230 V / 500 Watt	230 V / 500 Watt	400 V / 900 Watt
dimensions (L x D x H)	410 x 200 x 295 mm	420 x 220 x 300 mm	450 x 245 x 330 mm
weight	16 kg	18 kg	27 kg
	DS 150	DS 175	DS 200-400 V
EAN	4260364290936	4260364290943	4260364290950
Item No.	226 2150	226 2175	226 2200

ISM 250 / ISM 250 F

COMBINED GRINDING AND POLISHING MACHINE



PIC.: ISM 250



PIC.: ISM 250 F

ISM 250 / ISM 250 F

- » **stepless speed adjustment** (ISM 250 F)
- » fast and easy deburring and/or polishing even of complex profiles
- » powerful pulling power due to powerful motor
- » unimplicated, tool-free grinding belt replacement
- » substructure with lockable door
- » tool compartment included in scope of delivery
- » individually swivelling grinding arm with suction connection
- » suitable for grinding, polishing and brushing metal, plastic and non-ferrous metals such as e.g.: copper, bronze, aluminum, brass, etc.

Description	ISM 250	ISM 250 F
dimensions of grinding belt right	75 x 1.500 mm	50 x 2.000 mm
dimensions grinding disc left	250 x 32 x 25 mm	250 x 50 mm
speed	1.100 / 2.300 min ⁻¹ (2 steps)	200 - 2.800 min ⁻¹ (stepless)
motor power	400 V / 50 Hz / ,1 / 1,5 kW	400 V / 50 Hz / 2,2 kW
dimensions (L x D x H)	830 x 630 x 1.280 mm	1.160 x 700 x 1.850 mm
weight	75 kg	150 kg
	ISM 250	ISM 250 F
EAN	4260364297775	4260364294385
Item No.	225 9001	225 9000

TBSM 100-2 2 BELT SPEEDS
BSM 75 / BSM 75-2 WITH 2-SPEED MOTOR
BSM 150
METAL BELT GRINDERS



PIC.: TBSM 100-2

Description	Stand for TBSM 100-2
EAN	4260364296075
Item No.	525 0102



PIC.: BSM 75-2

Description	TBSM 100-2	BSM 75	BSM 75-2	BSM 150
belt size	100 x 1.220 mm	75 x 2.000 mm	75 x 2.000 mm	150 x 2.000 mm
contact wheel	-	200 x 75 mm	200 x 75 mm	250 x 150 mm
belt speed	9,5 m/sec / 19 m/sec	34 m/sec	17 m/sec / 34 m/sec	37 m/sec
grinding rest	100 mm continous	75 mm continous	75 mm continous	150 mm continous
motor power	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 2,2 kW / 2,8 kW	400 V / 50 Hz / 3 kW
dimensions (W x D x H)	355 x 432 x 410 mm	450 x 1.000 x 1.100 mm	450 x 1.000 x 1.100 mm	500 x 1.000 x 1.100 mm
weight	44 kg	85 kg	107 kg	124 kg
	T BSM 100-2	BSM 75	BSM 75-2	BSM 150
EAN	4260364296181	4260364290967	4260364290974	4260364290981
Item No.	225 5102	225 5075	225 6075	225 5150

BSM 150-2 WITH 2-SPEED MOTOR BSM 220 METAL GRINDERS

NEW



PIC.: BSM 150



PIC.: BSM 220

BSM 150 / BSM 150-2 / BSM 220

- » 2 speed motor (BSM 150-2)
- » vibration free running
- » quick adjustment into horizontal / vertical position
- » continuously surface grinding area by opening the cover
- » quick sanding belt tension
- » powerful motor
- » fast tension for the grinding belt
- » time-safing deburring

BSM 75 / BSM 75-2

- » 2 speed motor BSM 75-2
- » vibration free running
- » quick adjustment into horizontal / vertical position
- » Continuously surface grinding area by opening the cover
- » quick sanding belt tension
- » powerful motor 3 kW
- » fast tension for the grinding belt
- » **time-safing deburring**

Description	BSM 150-2	BSM 220
belt size	150 x 2.000 mm	220 x 2.000 mm
contact wheel	250 x 150 mm	200 x 220 mm
belt speed	18 / 37 m/s	29 m/s
grinding rest	150 mm continous	220 mm continous
motor power	400 V / 50 Hz 2,3 kW / 3 kW	400 V / 50 Hz / 3 kW
dimensions (W x D x H)	500 x 1.000 x 1.100 mm	640 x 980 x 1.030 mm
weight	124 kg	118 kg
	BSM 150-2	BSM 220
EAN	4260364290998	4260364296198
Item No.	225 6150	225 5220

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

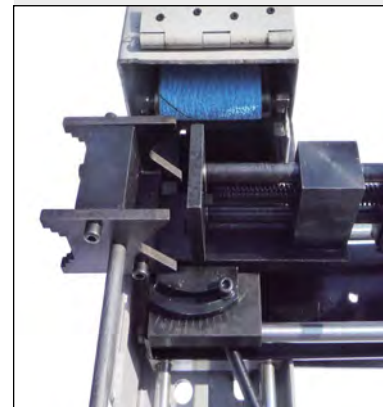
CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

KRBS 100

TUBE GRINDER



Roller Sets	Item No.
ø 20 mm	625 6020
ø 26 mm	625 6026
ø 32 mm	625 6032
ø 42 mm	625 6042
ø 48 mm	625 6048
ø 60 mm	625 6060
ø 76 mm	625 6076

KRBS 100

- » for grinding tubes and profiles on the front side, face grinding on the upper side and burring grinding on the back
- » adjustable grinding angle 30° - 90°
- » quick change between pipe grinding and band grinding
- » a powerful clamping device guarantees excellent grinding results
- » powerful motor
- » nearly all adjustments accomplishable without tool
- » with integrated grinding roll holder for optionally available grinding rolls with different diameters
- » with pivotable protection glass
- » tool for maintenance included in scope of delivery
- » with two chip trays
- » integrated connecting piece for metal exhausters
- » including AS 1.600 Ø 100 mm
- » easily removeable chip trays

Scope of delivery KRBS 100:

- » 1x standard grinding band with graining K 36
- » 2x chip trays
- » 1x screw wrench
- » 1x grinding roll

Description	KRBS 100
belt size	100 x 2.000 mm
belt speed	15 / 30 m/sec.
grindable diameter	20 - 76,1 mm
adjustable grinding angle	30° - 90°
motor power	400 V / 50 Hz / 2,8 kW
speed	1.400 / 2.800 min ⁻¹
dimensions (W x D x H)	520 x 1.175 x 1.130 mm
weight	158 kg
	KRBS 100
EAN	4260364294408
Item No.	225 7202

E-KRBS 100-90 / E-KRBS 100-170

TUBE GRINDING MACHINE



PIC.: E-KRBS 100-90
CLOSED AND OPENED

E-KRBS 100-90 / E-KRBS 100-170

Conveniently operated pipe and profile grinding machine

- » adjustable grinding angle up to 50°
- » quick clamping device
- » easy to change rollers for different grinding diameter
- » standard grinding belt with grain size K36
- » powerful motor

Scope of delivery:

- » 1 pcs. of standard grinding belt, grain size K36
- » 6 pcs. of grinding belt pressure roller

Description	E-KRBS 100-90	E-KRBS 100-170
belt size	100 x 2.000 mm	100 x 2.000 mm
grindable diameter	17 - 90 mm	40 - 170 mm
adjustable grinding angle	max. 50°	max. 50°
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 3 kW
dimensions (B x D x H)	1.150 x 600 x 1.000 mm	1.550 x 850 x 1.300 mm
weight	170 kg	350 kg
	E-KRBS 100-90	E-KRBS 100-170
EAN	426036429858	426036429859
Item No.	325 9010	325 1710

E-RSM 114

PIPE-GRINDING AND POLISHING MACHINE

PREMIUM-LINE



E-RSM 114

- » for grinding round and square tubes as well as full material
- » stepless adjustable speed of grinding belt
- » two opposite running grinding belts on the rotating head, the rotation of the workpiece is not required
- » connection for dust extraction
- » foot pedal controlled of rotation head
- » profile is stretched with wheel feed unit
- » feed unit with rubber rollers ensures a safe transport of the workpiece
- » uniform deburring, cleaning or polishing of tubes
- » automatic feed

Description	E-RSM 114
No. of belts	2
tube diameter	10 - 114 mm
Min. tube length	355 mm
belt speed	3 - 22 m/s
belt size	940 x 50 mm
Exhaust manifold	76 mm
motor power	400 V / 4,75 kW
dimensions (W x D x H)	750 x 1.000 x 1.300 mm
weight	265 kg
E-RSM 114	
EAN	4260364296204
Item No.	354 1114

**FPSM 4020 / FPSM 5025 /
FPSM 6030 / FPSM 8040**

NEW

FLAT- AND SURFACE GRINDING MACHINE



PIC.: FPSM 4020



PIC.: FPSM 6030

FPSM 4020 / FPSM 5025 / FPSM 6030 / FPSM 8040

Surface grinding machines with convenient operation for precise and economical workpiece machining. All models are designed for long-term continuous operation, from model FPSM 5025 with longitudinal and transverse feed and automatic vertical feed.

With standard accessories grinding wheel flange, balancing mandrel, coolant container, working lamp, tool box, grinding wheel dresser without diamond, standard grinding wheel, levelling feet.

In order to grind profiles, the grinding wheel must be given a corresponding contour. There are various optional options for this. More details on request (please specify desired profile shape).

OPTIONAL EQUIPMENT

- » magnetic clamping plate
- » extraction device
- » coolant device with filter belt
- » balancing scale
- » parallel dresser
- » grinding wheel flange

Description	FPSM 4020	FPSM 5025	FPSM 6030	FPSM 8040
grinding length max.	470 mm	560 mm	765 mm	910 mm
grinding width max.	220 mm	275 mm	340 mm	450 mm
table size	450 x 210 mm	500 x 250 mm	635 x 305 mm	810 x 405 mm
distance: table and spindle	450 mm	450 mm	580 mm	580 mm
vertical feed	manual	automatic 6 steps	automatic 6 steps	automatic 6 steps
table feed	manual	automatic 7 - 23 m/min	automatic 7 - 23 m/min	automatic 7 - 23 m/min
grinding wheel size	200 x 31 x 13 mm	200 x 31 x 13 mm	350 x 127 x 40 mm	350 x 127 x 40 mm
spindle speeds	2.850 min ⁻¹	2.850 min ⁻¹	1.450 min ⁻¹	1.450 min ⁻¹
motor power	1,2 kW	2,2 kW	5,5 kW	5,5 kW
dimensions (L x T x H)	1.100 x 1.370 x 1.920 mm	2.250 x 2.050 x 2.130 mm	2.800 x 2.200 x 2.200 mm	3.600 x 2.400 x 2.200 mm
weight	ca. 800 kg	1.800 kg	2.800 kg	3.800 kg
	FPSM 4020	FPSM 5025	FPSM 6030	FPSM 8040
EAN	4260364297669	4260364297676	4260364297683	4260364297690
Item No.	227 0402	227 1502	227 1603	227 1804

E-ZB BSM 2.100

DOUBLE BELT GRINDER

PREMIUM-LINE



Double Belt Grinder

Machine for pre- and fine grinding of surfaces, compensation of unevenness, of edges and welds of flat components made of steel, stainless steel and aluminum.

Large components can be fed from the front and from the back.

Applications are e.g. doors, frames, control cabinets, housings, hoods, furniture parts, frame parts in automotive and aircraft construction, apparatus housings, lamp housings, waste containers, radiators etc.

Description	E-ZB BSM 2.100
belt size	min. 100 x 7.100 mm max. 100 x 7.200 mm
speed	0 - 3.000 min ⁻¹
motor power of the main motor	400 V / 50 Hz / 4 kW
table size	2.100 x 800 mm
table elevation adjustment	600 mm
dimensions (L x D x H)	3.600 x 1.100 x 2.250 mm
weight	1.200 kg
	E-ZB BSM 2.100
EAN	4260364294392
Item No.	340 5210

E-ZB BSM 2.100

- » manually adjustable table
- » high job safety through closed system
- » LED working light
- » speed adjustment 0 - 3.000 min-1
- » pneumatic control system
- » rubber rolls pressure system

Pression-tools see illustrations below

Different lengths on request.



FSM 500

MANUAL SURFACE GRINDING MACHINE

NEW



Surface Grinding

Manual surface grinding machine with vertical spindle and pan grinding wheel for surface and parallel grinding. Simple, sensitive operation with swivel arm. Suitable with coolant system for wet grinding but also for dry grinding.

Machine table with T-slot for the clamping of the workpiece device.

OPTIONAL EQUIPMENT

- » magnetic clamping plate
- » turntable with magnet

Description	FSM 500
max distance grinding wheel - table	280 mm
grinding wheel	200 x 78 x 78 mm
spindle taper	78 mm
table size	386 x 177 mm
motor power	400 V / 50 Hz / 4,0 kW
motor speed	2.800 min ⁻¹
dimensions (W x D x H)	950 x 1.250 x 1.800 mm
weight	580 kg
	FSM 500
EAN	4260364296211
Item No.	225 7350



Sheet Metal Forming Machines

UB 40 / WB 100 / UBM UNIVERSAL- AND ANGLE-BENDER



PIC.: WB 100



PIC.: UB 40



PIC.: UBM

WB 100

- » precise cold / hot bending of strip-, round- and square steel
- » stable construction to mount directly onto the workbench
- » stepless adjustable bending stop
- » with eccentric quick tension for rational working
- » readable bend angle up to 120°
- » high repeat precision through bending angle stop
- » ideal for plumbers and repair workshops

UB 40

- » to bend flat, square and round material
- » economic turn of usual shapes and bends
- » easily transportable, suitable for installation in service vehicles

UBM

- » to bend angles, strips, round - and square materials
- » ideal for workshops and modelmakers
- » suitable to repair doors, balcony fence, steel brass and copper

Description	UB 40
bending capacity - strip steel	30 x 8 mm
bending capacity - round steel	15 mm
bending capacity - square steel	13 x 13 mm
max. bending capacity	40 kg/mm ²
dimensions (L x D x H)	710 x 630 x 160 mm
weight	23 kg
	UB 40
EAN	4260364291117
Item No.	225 0004

Description	WB 100
flat steel	100 x 5 mm
round steel	20 mm
square steel	18 x 18 mm
angle steel	60 x 8 mm / 100 x 12 mm
flat steel	100 x 10 mm
round steel	30 mm
square steel	30 x 30 mm
angle steel	100 x 12 mm
max. bending capacity	40 kg/mm ²
dimension (L x D x H)	910 x 205 x 255 mm
weight	29 kg
	WB 100
EAN	4260364291124
Item No.	225 0010

Description	UBM
strip steel - radius bend	8 x 50 mm
strip steel - sharp bend	6 x 50 mm
round steel	16 mm
square steel	6 x 16 mm
reinforced steel	12 mm
working height	960 - 1.200 mm
baseplate dimensions	240 x 240 mm
distance mounting holes	195 x 195 mm
weight	35 kg
	UBM
EAN	4260364291131
Item No.	225 0100

RB 10 T / RBE 10 T

HYDRAULIC PIPE BENDING MACHINES



PIC.: RB 10 T



PIC.: RBE 10 T



RB 10 T / RBE 10 T

- » with folding bend frame for rational working
- » including 6 pulley sets 1/2", 3/4", 1", 1 1/4", 1 1/2" and 2"
- » universal applications for water and gas pipes
- » solid foot construction
- » bends up to 90° reparable
- » 10 tons piston pressure
- » fast speed
- » also suitable for copper and annealed pipes

RBE 10 T

- » electric version 230 V / 50 Hz

Description	RB 10 T	RBE 10 T
bending capacity	1/2" - 2"	1/2" - 2"
piston pressure	10 t	10 t
no. of pulley sets	6 St.	6 St.
dimensions (L x D x H)	680 x 510 x 910 mm	680 x 510 x 680 mm
weight	42 kg	53 kg
	RB 10 T	RBE 10 T
EAN	4260364291148	4260364291155
Item No.	225 0122	225 1122

E-TBM 60 NC / E-TBM 76 NC

NC CONTROLLED BENDING MACHINES

NEW

PREMIUM-LINE



PIC.: E-TBM 60 NC

Tube bending Machine

E-TBM 60 NC / E-TBM 76 NC

- » solid welded construction
- » for pipes up to 60 x 4 mm
- » workbench with boreholes for holding tools
- » NC control with display
- » 500 programmes storable
- » standard accessories: roller burnishingtool

OPTIONAL EQUIPMENT

- » Burnishing tools for different pipe diameters

Description	E-TBM 60 NC	E-TBM 76 NC
Min. diameter	R40 (Ø 60 x 4)	R40 (Ø 16 x 3)
Max. diameter	R150 (Ø 60 x 4)	R220 (Ø 76 x 3)
bending capacity tubes	St 60 x 4 mm / Alu 60 x 8 mm	St 76 x 3 mm / Alu 76 x 6 mm
radius min	3x tube diameter	3x tube diameter
radius max	150 mm	220 mm
bending of full material	40 mm	45 mm
bending of square pipe	40 x 40 x 4 mm	50 x 50 x 5 mm
bending speed	3 m/min	7 m/min
motor power	2,2 kW	3 kW
dimensions (L x D x H)	850 x 750 x 1.050 mm	850 x 850 x 1.050 mm
weight	330 kg	500 kg
	E-TBM 60 NC	E-TBM 76 NC
EAN	4260364296228	4260364296235
Item No.	351 3060	351 3076

E-RDBM 42 / E-RDBM 76

MANDREL BENDING MACHINE WITH SPIKES

NEW

PREMIUM-LINE



PIC.: E-RDBM 42



PIC.: E-RDBM 76

On request also without hydraulic / without NC control.

E-RDBM 42 / E-RDBM 76

High quality mandrel bending machines for individual manufacture (up to medium slot sizes) of thin-walled tubes made of steel, stainless steel, aluminum and non-ferrous metals.

Drive, clamping and pipe feed hydraulically.

Bend sequences and mandrel extension programmable via NC control.

Description	E-RDBM 42	E-RDBM 76
Max. diameter	42 mm	76 mm
Max. wall thickness	3 mm	4 mm
bending capacity tubes	St 60 x 4 mm / Alu 60 x 8 mm	St 76 x 3 mm / Alu 76 x 6 mm
Max. bending radius	275 mm	275 mm
Max. bending angle	190 mm	190 mm
spike length	2.400 mm	3.150 mm
Max. hydraulic pressure	140 bar	210 bar
motor power	11 kw	15 kw
dimensions (L x D x H)	3.400 x 1.500 x 1.300 mm	4.000 x 1.700 x 1.400 mm
weight approx.	2.500 kg	4.000 kg

	E-RDBM 42	E-RDBM 76
EAN	4260364296242	4260364296259
Item No.	351 3142	351 3176

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

SM 08

CRIMPING MACHINE MANUAL



standard roller sets

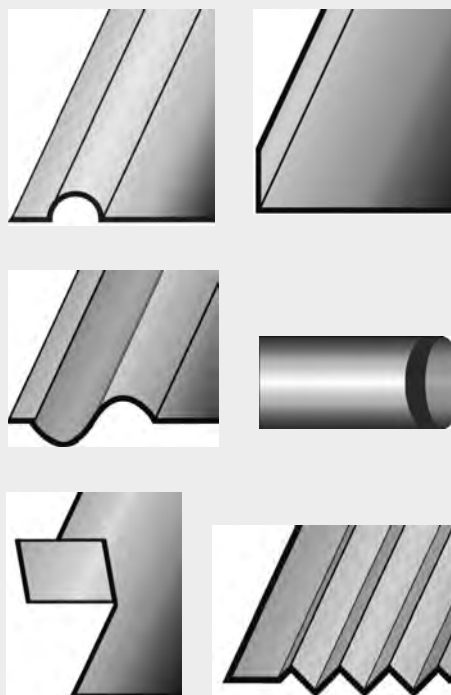


Crimping Machine

SM 08 INCL. 6 ROLLER SETS

- » special steel shaft
- » to carry easily
- » heavy duty cast iron construction
- » adjustable bottom shaft
- » in order to produce of different pipe connections
- » swiveling machine body with table clamp device
- » standard with 6 different roll sets

EXAMPLE OF USE



Description	SM 08
max. sheet thickness	0,8 mm
distance between roll centres	50 mm
working range	200 mm
depth	300 mm
length	515 mm
height	800 mm
weight	22 kg
	SM 08
EAN	4260364291162
Item No.	225 1008

E-SM 12

CRIMPING MACHINE MANUAL

PREMIUM-LINE

STANDARD



E-SM 12

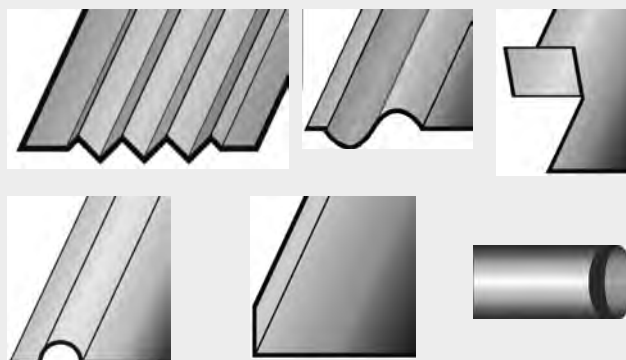
INCL. 8 ROLLER SETS

- » heavy duty cast iron construction
- » portable and easy to transport
- » 8 standard roll sets
- » special steel shaft
- » adjustable upper shaft



Description	E-SM 12
max. sheet thickness	1,2 mm
wave length	140 mm
roller diameter	62 mm
roller speed	-
working radius	100 mm
motor power	manual
dimensions (L x D x H)	560 x 220 x 500 mm
weight	50 kg
	E-SM 12
EAN	4260364291179
Item No.	354 1210

EXAMPLE OF USE



DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

E-SM 12 MP

ELECTRICAL CRIMPING MACHINE

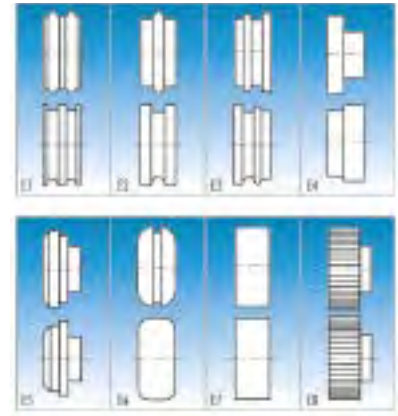
PREMIUM-LINE



STANDARD



OPTIONAL

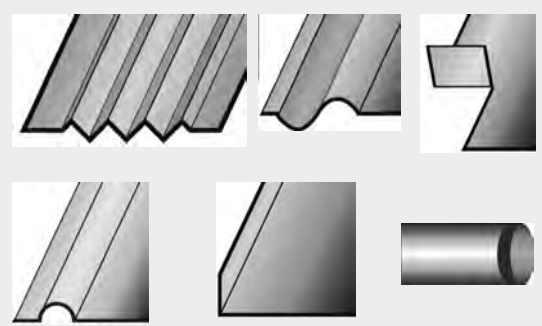


Description	E-SM 12 MP
max. sheet thickness	1,2 mm
wavelength	140 mm
roller diameter	62 mm
roller speed	32 min ⁻¹
working radius	100 mm
motor power	400 V / 0,75 kW
dimensions (L x D x H)	900 x 450 x 1.350 mm
weight	135 kg
E-SM 12 MP	
EAN	4260364291186
Item No.	354 1200

E-SM 12 MP INCL. STAND

- » heavy duty cast iron construction
- » substructure
- » foot pedal
- » 8 standard roller sets
- » adjustable bottom shaft
- » self-braking motor

EXAMPLE OF USE



OPTIONAL
MODEL E-SM 12-4 MP
» 4 speeds (30, 60, 90, 120 min⁻¹)

E-SM 25 MP

CRIMPING MACHINE

PREMIUM-LINE



PIC.: DIAMETER 2,5



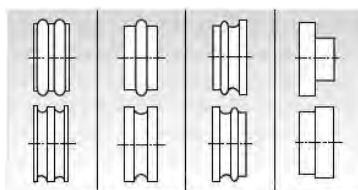
PIC.: E-SM 25 MP

E-SM 25 MP

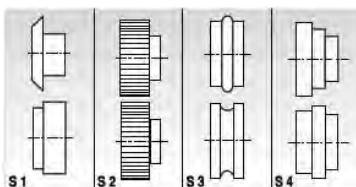
INCL. STAND

- » heavy duty cast iron construction
- » base frame and base cabinet
- » freely movable foot pedal, thus remains free hands for material guidance
- » 8 standard roll sets
- » forward and backward adjustment
- » self-braking motor

OPTIONAL-ROLLERS FOR E-SM 25 MP



STANDARD-ROLLERS FOR E-SM 25 MP



Description	E-SM 25 MP
max. sheet thickness	2,5 mm
wavelengths	250 mm
roller diameter	96 mm
roller speed	5 m/min
working range	160 mm
motor power	400 V / 1,5 kW
dimensions (L x D x H)	1.400 x 550 x 1.120 mm
weight	350 kg

	E-SM 25 MP
EAN	4260364296266
Item No.	354 2500

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

E-SM 40 MP

CRIMPING MACHINE

PREMIUM-LINE



PIC.: E-SM 40 MP

Crimping Machine

E-SM 40 MP INCL. STAND

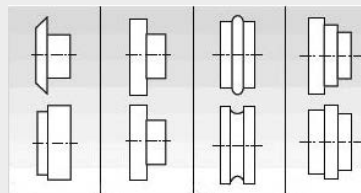
- » heavy duty cast iron construction
- » base frame and base cabinet
- » freely movable foot pedal, thus remains free hands for material guidance
- » 4 standard roll sets
- » forward and backward adjustment
- » self-braking motor

OPTIONAL EQUIPMENT

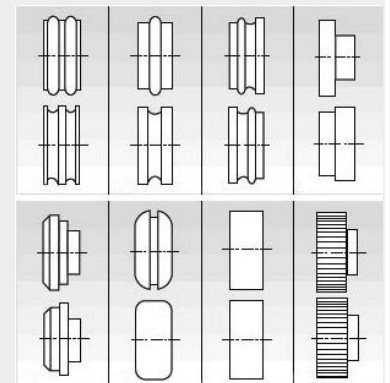
- » Digital Readout System for upper tools
- » roller sets for different profiles (see examples on page 151)
- » hydraulic infeed for the top roller

Description	E-SM 40 MP
max. sheet thickness	4,0 mm
wavelength	300 mm
roller diameter	126 mm
roller speed	5 m/min
working range	200 mm
motor power	400 V / 2,2 kW
dimensions (L x D x H)	1.700 x 570 x 1.200 mm
weight	500 kg
	E-SM 40 MP
EAN	4260364296273
Item No.	354 4000

STANDARD-ROLLERS FOR E-SM 40 MP



OPTIONAL-ROLLERS FOR E-SM 40 MP

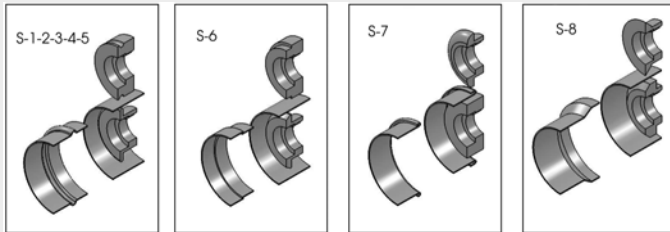


ROLLENSÄTZE

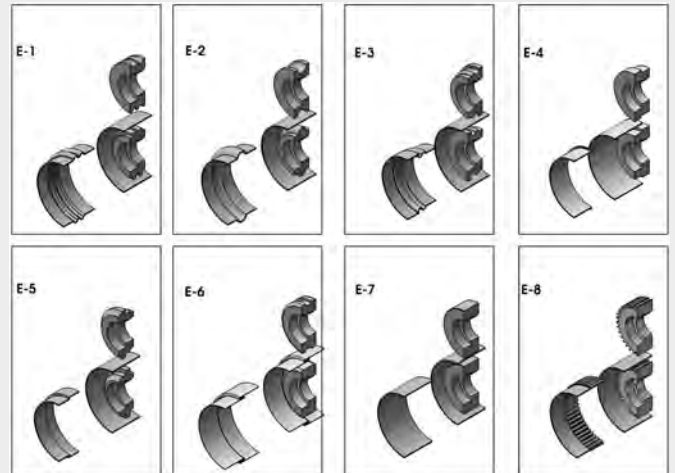
CRIMPING MACHINE

E-SM 12 / E-SM 12 MP

STANDARD

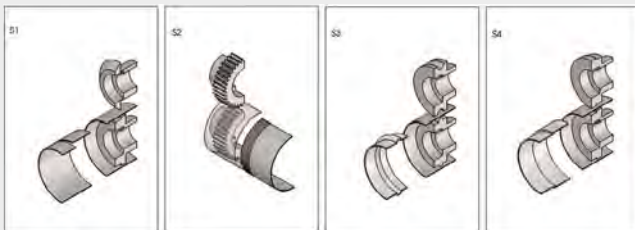


OPTIONAL

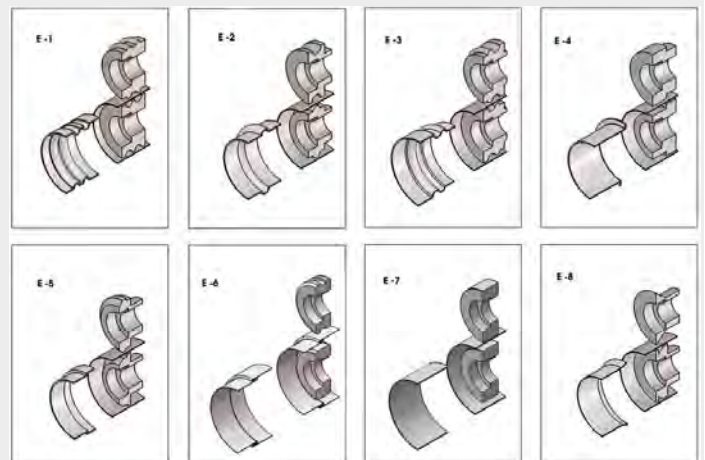


E-SM 25 MP

STANDARD

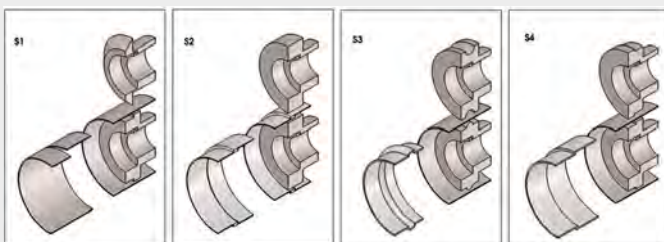


OPTIONAL

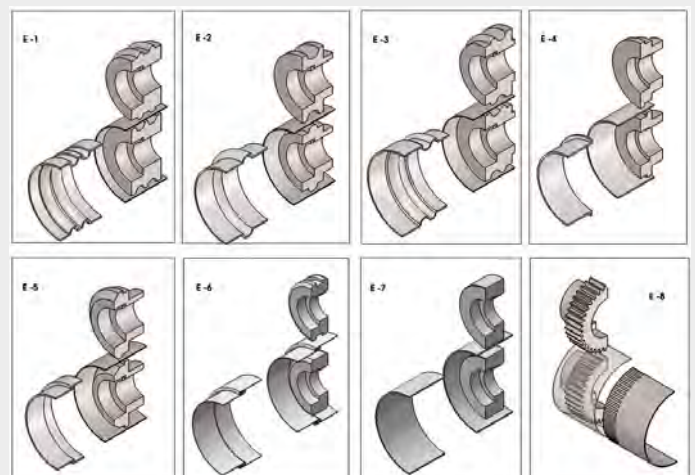


E-SM 40 MP

STANDARD



OPTIONAL



DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

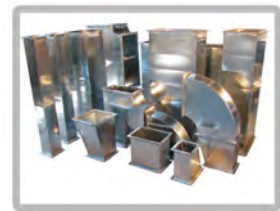
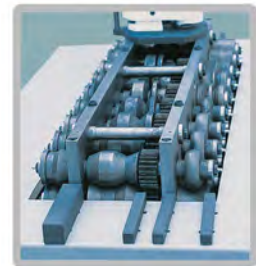
E-FFM 10-3,0
E-FFM 12-3,3 / E-FFM 12-4,0
E-FFM 12-4,1 / E-FFM 12-4,3

FOLDING MACHINES

PREMIUM-LINE



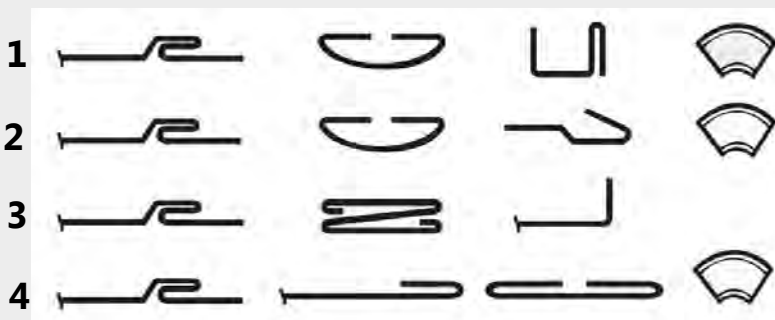
PIC.: E-FFM 12-4,0



Folding Machines

- » drive system: with gear
- » ideal for industry and handcraft
- » high-quality machine

Bitte Falzformen angeben (Typen 1-4):



7 STATION FOLDING MACHINE

Description	E-FFM 10-3,0
max. capacity	0,5 / 1,0 mm
operating speed	4 m/min
motor power	400 V / 50 Hz / 1,1 kW
dimensions (W x D x H)	460 x 1.000 x 1.000 mm
weight	270 kg
Completion	E-FFM 10-3,0
EAN	354 3130
Item No.	4260364298802

- fold forms 1 = **E-FFM 12-3,3**
- fold forms 2 = **E-FFM 12-4,0**
- fold forms 3 = **E-FFM 12-4,1**
- fold forms 4 = **E-FFM 12-4,3**

9 STATION FOLDING MACHINE

Description	E-FFM 12-3,3	E-FFM 12-4,0	E-FFM 12-4,1	E-FFM 12-4,3
max. capacity	0,5 / 1,2 mm	0,5 / 1,2 mm	0,5 / 1,2 mm	0,5 / 1,2 mm
operating speed	6 m/min	6 m/min	6 m/min	6 m/min
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW
dimensions (W x D x H)	800 x 1.300 x 1.100 mm	800 x 1.300 x 1.100 mm	800 x 1.300 x 1.100 mm	800 x 1.300 x 1.100 mm
weight	456 kg	456 kg	456 kg	456 kg
	E-FFM 12-3,3	E-FFM 12-4,0	E-FFM 12-4,1	E-FFM 12-4,3
EAN	4260364294651	4260364294637	4260364294644	4260364294668
Item No.	354 3133	354 3140	354 3141	354 3143

E-PFM 13

PNEUMATIC REBATE PRESSING MACHINE

PREMIUM-LINE



PIC.: E-PFM 13

E-PFM 13

- » pinion geared clamping system
- » easy handling through pneumatic pressure piston
- » clamping and turning controlled by foot pedal
- » protection of the pneumatic system through air strainer
- » hardened folding rollers
- » slip system with ball bearing
- » construction according to EC safety standards

Description	E-PFM 13
fold length	1.300 mm
min. fold diameter	120 mm
max. fold diameter	1.000 mm
operating pressure	8 bar
pressure performance	1.000 kg
motor power	400 V / 50 Hz / 0,37 kW
dimensions (L x D x H)	1.720 x 900 x 1.650 mm
weight	300 kg
E-PFM 13	
EAN	4260364294620
Item No.	354 3013

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

E-BKS 6 / E-BKS 8 FLANGING MACHINES

PREMIUM-LINE



PIC.: E-BKS 6

Flanging Machine

E-BKS 6 / E-BKS 8

- » standard one kit flanging rolls (R25) and one kit blades
- » extreme solid and robust cast-iron construction
- » blade made of special steel K2379, in bronze bearing
- » blades are hardened, adjustable and regrindable
- » gear motor with brake system
- » cutting and flanging with one head
- » excellent price-performance ratio



Description	E-BKS 6	E-BKS 8
sheet thickness	max. 6,0 mm	max. 8,0 mm
min. workpiece	440 mm	720 mm
max. workpiece	4.000 mm	4.500 mm
max. flanging radius	35 mm	100 mm
motor power	400 V / 50 Hz / 8 kW	400 V / 50 Hz / 10 kW
dimensions (L x D x H)	4.250 x 720 x 2.000 mm	4.600 x 1.250 x 2.700 mm
weight	2.050 kg	4.400 kg
	E-BKS 6	E-BKS 8
EAN	4260364294545	4260364294552
Item No.	353 4006	353 4008

OPTIONAL EQUIPMENT

- » flanging rolls (50, 75 and 100)
- » extra set of cutting blades



Bending Machines

AKB 1.020-2,5

BENDING MACHINE

**Das Original
Epple Maschinen®**



Hardened segments on upper and lower cheek as standard.

AKB 1.020-2,5

WITH SEGMENTS (UPPER AND LOWER
DETACHABLE SEGMENTS)

- » ideal for industry and handcraft
- » high quality in a modern design
- » foot operated upper beam which gives you free hands for the working material
- » self-lubricated bearings
- » standard with detachable upper and lower beams
- » heavy support cylinder enables folding of steel sheets up to 2,5 mm
- » opening between the upper - and lower beams can be adjusted to 50 mm

Description	AKB 1.020-2,5
working length	max. 1.020 mm
sheet thickness (hardness ≤ 48 Rockwell)	max. 2,5 mm
bending angle	max. 135°
spindle hole	50 mm
dimensions (L x D x H)	1.340 x 940 x 1.180 mm
weight	320 kg
	AKB 1.020-2,5
EAN	4260364291193
Item No.	125 0220

» **bending performance data
refer to 24 kg/m²
sheet bending limit**

» **sheet thickness for stainless
steel: factor 0,5**

» **sheet thickness for aluminum:
factor 1,2**

AKB 1.020-2,5 G

BENDING MACHINE



Hardened segments on upper and lower cheek as standard.

AKB 1.020-2,5 G

WITH SEGMENTS (UPPER AND LOWER
DETACHABLE SEGMENTS)

- » ideal for industry and handcraft
- » high quality in a modern design
- » foot operated upper beam which gives you free hands for the working material
- » self-lubricated bearings
- » standard with detachable upper and lower beams
- » heavy support cylinder enables folding of steel sheets up to 2,5 mm
- » opening between the upper - and lower beams can be adjusted to 50 mm

- » **bending performance data refer to 24 kg/m² sheet bending limit**
- » **sheet thickness for stainless steel: factor 0,5**
- » **sheet thickness for aluminum: factor 1,2**

Description	AKB 1.020-2,5 G
working length	max. 1.020 mm
sheet thickness (hardness ≤ 48 Rockwell)	max. 2,5 mm
bending angle	max. 135°
spindle hole	50 mm
dimensions (L x D x H)	1.346 x 810 x 1.243 mm
weight	430 kg
	AKB 1.020-2,5 G
EAN	4260364291209
Item No.	125 1220

AKB 2.020-2,0

BENDING MACHINE



PIC.: AKB 2.020-2,0

AKB 2.020-2,0

WITH SEGMENTS (UPPER AND LOWER
DETACHABLE SEGMENTS)

- » ideal for industry and handcraft
- » high quality in a modern design
- » foot operated upper beam which gives you free hands for the working material
- » self-lubricated bearings
- » standard with top and bottom removable segments
- » spring-loaded dampers, which makes it easier to bend sheet metal up to 2.0 mm
- » opening between the upper- and lower beams can be adjusted to 50 mm

OPTIONAL EQUIPMENT

- » manually adjustable backgauge

- » **bending performance data refer to 24 kg/m² sheet bending limit**
- » **sheet thickness for stainless steel: factor 0,5**
- » **sheet thickness for aluminum: factor 1,2**

Description	AKB 2.020-2,0
working length	max. 2.020 mm
sheet thickness (hardness ≤ 150 Rockwell)	max. 2,0 mm
bending angle	max. 135°
spindle hole	50 mm
dimensions (L x D x H)	2.300 x 1.200 x 950 mm
weight	560 kg
	AKB 2.020-2,0
EAN	4260364291216
Item No.	125 0320

E-AKB-S 1.220-0,8 / E-AKB-S 2.040-0,8
E-AKB-S 2.540-0,8 / E-AKB-S 3.040-0,8
MANUAL BENDING MACHINE WITH ROLLER SHEARS

NEW

PREMIUM-LINE



PIC.: E-AKB-S 2.540-0,8

**E-AKB-S 1.220-0,8 / E-AKB-S 2.040-0,8 / E-AKB-S 2.540-0,8 /
E-AKB-S 3.040-0,8**

Manual bending machine with additional sheet shears for thin sheets up to 0.8mm (also e.g. copper, aluminum or zinc sheet) in one operation for edges and cutting.

Description	E-AKB-S 1.220-0,8	E-AKB-S 2.040-0,8	E-AKB-S 2.540-0,8	E-AKB-S 3.040-0,8
working length	max. 1.220 mm	max. 2.040 mm	max. 2.540 mm	max. 3.040 mm
sheet thickness (hardness ≤ 48 Rockwell)	max. 0,8 mm	max. 0,8 mm	max. 0,8 mm	max. 0,8 mm
bending angle	max. 110°	max. 110°	max. 110°	max. 110°
dimensions (L x D x H)	1.650x 320 x 850 mm	2.400x 750 x 850 mm	3.000 x 750 x 850 mm	3.500 x 750 x 850 mm
weight	180 kg	290 kg	350 kg	440 kg
	E-AKB-S 1.220-0,8	E-AKB-S 2.040-0,8	E-AKB-S 2.540-0,8	E-AKB-S 3.040-0,8
EAN	426036429830	426036429831	426036429832	426036429833
Item No.	325 0122	325 0204	325 0254	325 0304

MAKB 1.250-1,6 / MAKB 2.500-1,6 MAKB 3.200-1,2

MAGNETIC BENDING MACHINES



PIC.: MAKB 1.250-1,6

Magnetic Bending Machine

Description	MAKB 1.250-1,6	MAKB 2.500-1,6	MAKB 3.200-1,2
folding length	1.250 mm	2.590 mm	3.290 mm
fixing pressure	6 t	12 t	10 t
sheet thickness (hardness ≤ 48 Rockwell)	1,6 mm	1,6 mm	1,2 mm
weight	175 kg	290 kg	381 kg
	MAKB 1.250-1,6	MAKB 2.500-1,6	MAKB 3.200-1,2
EAN	4260364294484	4260364296280	4260364296297
Item No.	125 5125	125 5250	125 5320

Note: Please do not use the machine when you have a cardiac pacemaker

MAKB 1.250-1,6 / MAKB 2.500-1,6 / MAKB 3.200-1,2

- » easy, quick and comfortable handling
- » ideal for bending aluminum, copper, steel, high-quality steel etc.
- » powerful electromagnetic system for ideal bending results
- » the clamping over the entire width guarantees a precise bending result
- » segmentation in mm: 25 - 40 - 50 - 70 - 140 - 280 - 700 - 1.250
- » exact angle adjustment up to 180°



INCLUDED IN DELIVERY

- » sharp bending rail
- » bending angle stop, widening, bending cheek and rear stop
- » sharp bending bar and narrow slotted bending bar
- » 7 bending segments
- » foot pedal

Note: Please do not use the machine when you have a cardiac pacemaker



Watch our product movie of this fascinating machine to discover the numerous bending possibilities.

AKB 2.020-1,5 E / AKB 2.020-1,5 ES
AKB 2.520-1,0 E / AKB 2.520-1,0 ES
AKB 3.020-1,0 E / AKB 3.020-1,0 ES

BENDING MACHINES WITH MOTOR



PIC.: AKB 2.020-1,5 ES

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

For more technical data check page 163.

Description	AKB 2.020-1,5 E	AKB 2.020-1,5 ES	AKB 2.520-1,0 E
working length	max. 2.000 mm	max. 2.000 mm	max. 2.500 mm
sheet thickness (hardness ≤ 50 Rockwell)	max. 1,5 mm	max. 1,5 mm	max. 1,0 mm
bending angle	0° - max. 135°	0° - max. 135°	0° - max. 135°
spindle hole	100 mm	100 mm	100 mm
motor power pressing	0,37 kW	0,37 kW	0,37 kW
motor power edging	0,75 kW	0,75 kW	0,75 kW
dimensions (L x D x H)	2.830 x 760 x 1.410 mm	2.830 x 760 x 1.410 mm	3.330 x 760 x 1.410 mm
weight	1.200 kg	1.260 kg	1.600 kg
	AKB 2.020-1,5 E	AKB 2.020-1,5 ES	AKB 2.520-1,0 E
EAN	4260364291223	4260364291230	4260364291247
Item No.	125 2202	125 3202	125 2252



PIC.: OPTIONAL BACK GAUGE
(MANUALLY)



PIC.: OPTIONAL BACK GAUGE
(VIA HAND WHEEL)

BENDING MACHINES

- » ideal for industry and handcraft
- » high quality in a modern design
- » foot operated upper beam which gives you free hands for the working material
- » self-lubricated bearings
- » opening between the upper- and lower beams can be adjusted up to 100 mm

E = electrical adjustment
ES = electrical adjustment and upper flange with detachable liners



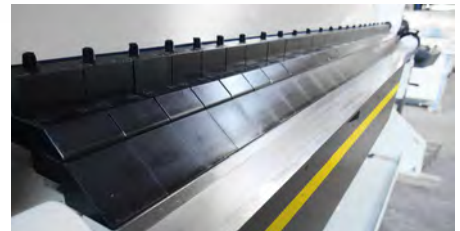
» bending performance data refer to 24 kg/m² sheet bending limit
» sheet thickness for stainless steel: factor 0,5
» sheet thickness for aluminum: factor 1,2

Description	AKB 2.520-1,0 ES	AKB 3.020-1,0 E	AKB 3.020-1,0 ES
working length	max. 2.500 mm	max. 3.000 mm	max. 3.000 mm
sheet thickness (hardness ≤ 50 Rockwell)	max. 1,0 mm	max. 1,0 mm	max. 1,0 mm
bending angle	0° - max. 135°	0° - max. 135°	0° - max. 135°
spindle hole	100 mm	100 mm	100 mm
motor power pressing	3.330 x 760 x 1.410 mm	3.830 x 760 x 1.450 mm	3.830 x 760 x 1.450 mm
motor power edging	1.600 kg	1.930 kg	1.930 kg
dimensions (L x D x H)	0,37 kW	0,37 kW	0,37 kW
weight	0,75 kW	0,75 kW	0,75 kW
	AKB 2.520-1,0 ES	AKB 3.020-1,0 E	AKB 3.020-1,0 ES
EAN	4260364291254	4260364291261	4260364291278
Item No.	125 3252	125 2302	125 3302

E-AKBM 2.050-4,5 / E-AKBM 2.550-3,5 BENDING MACHINES WITH MOTOR

NEW

PREMIUM-LINE



E-AKBM 2.050-4,5 / E-AKBM 2.550-3,5

Hydraulic swivel bending machine with very stable welded construction.

Easy adjustment of upper and lower beam by means of handwheel, bending angle adjustment via scale up to 135°, swivel operation via joystick or foot pedal.

- » hardened bending formers
- » 3-fold foot pedal
- » manually adjustable backgauge

Description	E-AKBM 2.050-4,5	E-AKBM 2.550-3,5
working length	2.050 mm	2.550 mm
backgauge	up to 600 mm	up to 600 mm
sheet thickness (hardness ≤ 50 Rockwell)	max. 4,5 mm	max. 3,5 mm
bending angle	0° - 135°	0° - 135°
spindle hole	75 mm	75 mm
motor power	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 5,5 kW
dimensions (L x D x H)	2.650 x 1.020 x 1.700 mm	3.250 x 1.020 x 1.700 mm
weight	2.600 kg	3.200 kg
	E-AKBM 2.050-4,5	E-AKBM 2.550-3,5
EAN	4260364297782	4260364297799
Item No.	325 1205	325 1255

Further versions on request.



Round Bending-/Roller Bending Machines

RM 1.020-1,5 / RME 1.020-1,5

3-ROLLER-ROUND BENDING MACHINES



PIC.: RM 1.020-1,5



PIC.: RME 1.020-1,5

RM 1.020-1,5 / RME 1.020-1,5
WITH ELECTRIC MOTOR AND CONE BENDING DEVICE

- » heavy duty cast iron construction
- » rolls are of SAE-1050 quality steel
- » asymmetrical 3-roller quality bending roller
- » operable at the left / right
- » upper roll with indicatory slot
- » lower roll adjustment with adjusting lever and eccentric
- » back roll through hand wheel
- » lower and back rolls are supplied with various grooves for rolling of wire inserts or smaller work pieces

- » heavy duty cast iron construction
- » rolls are of wear-resistant steel
- » asymmetrical 3-roller quality bending roller
- » upper roll with indicatory slot
- » lower roll adjustment with adjusting lever and eccentric
- » back roll through hand wheel
- » lower and back rolls are supplied with various grooves for rolling of wire inserts or smaller work pieces
- » transmission gear
- » foot operating enables you free hands for the working material
- » E-motor 400 V / 750 W with reduction gear
- » foot pedal for forward and reverse
- » safety barrier with emergency stop switch

» bending performance data refer to 24 kg/m² sheet bending limit
 » sheet thickness for stainless steel: factor 0,5
 » sheet thickness for aluminum: factor 1,2

When ordering please name the type of material which will be used

Description	RM 1.020-1,5
roller length	1.020 mm
sheet thickness (hardness ≤ 150 HB)	1,5 mm
roller diameter	60 mm
min. bending radius	35 mm
dimensions (L x D x H)	1.700 x 540 x 1.110 mm
weight	250 kg
	RM 1.020-1,5
EAN	4260364291285
Item No.	125 0520

Description	RME 1.020-1,5
roller length	1.020 mm
sheet thickness (hardness ≤ 150 HB)	1,5 mm
roller diameter	60 mm
min. bending radius	35 mm
motor power	400 V / 50 Hz / 750 Watt
dimensions (L x D x H)	1.700 x 1.010 x 1.100 mm
weight	300 kg
	RME 1.020-1,5
EAN	4260364291377
Item No.	125 1520

RME 1.300-1,5

3-ROLLER-ROUND BENDING MACHINES



RME 1.300-1,5 WITH ELECTRIC MOTOR AND CONE BENDING DEVICE

- » heavy duty cast iron construction
- » rolls are of wear-resistant steel
- » asymmetrical 3-roller quality bending roller
- » upper roll with indicatory slot
- » lower roll adjustment with adjusting lever and eccentric
- » back roll through hand wheel
- » lower and back rolls are supplied with various grooves for rolling of wire inserts or smaller work pieces
- » transmission gear
- » foot operation enables you free hands for the working material
- » E-motor 400 V / 750 W with reduction gear
- » foot pedal for forward and reverse
- » safety barrier with emergency stop switch

- » **bending performance data refer to 24 kg/m² sheet bending limit**
- » **sheet thickness for stainless steel: factor 0,5**
- » **sheet thickness for aluminum: factor 1,2**

Description	RME 1.300-1,5
roller length	1.300 mm
sheet thickness (hardness ≤ 150 HB)	1,5 mm
roller diameter	75 mm
min. bending radius	57,5 mm
motor power	400 V / 50 Hz / 750 Watt
dimensions (L x D x H)	1.700 x 400 x 1.100 mm
weight	300 kg
	RME 1.300-1,5
EAN	4260364291384
Item No.	125 1315

E-RB 1.050-2,0 / E-RB 1.270-1,5
E-RB 1.550-1,2 / E-RB 2.050-1,0

PREMIUM-LINE

3-ROLLER-ROUND BENDING MACHINES



PIC.: E-RB 1.270-1,5

E-RB 1.050-2,0 / E-RB 1.270-1,5
E-RB 1.550-1,2 / E-RB 2.050-1,0

- » heavy duty cast iron construction
- » rolls are of SAE-1050 quality steel
- » asymmetrical 3-roller quality bending rollers
- » usable from the right and left
- » upper roll with straightening groove
- » bottom roller adjustment with adjusting lever and eccentric
- » rear roller adjustment via hand lever
- » bottom and rear roll with wire inlay

When ordering please name the type of material which will be used

- » **bending performance data refer to 24 kg/m² sheet bending limit**
- » **sheet thickness for stainless steel: factor 0,5**
- » **sheet thickness for aluminum: factor 1,2**

Description	E-RB 1.050-2,0	E-RB 1.270-1,5	E-RB 1.550-1,2	E-RB 2.050-1,0
roller length	1.050 mm	1.270 mm	1.550 mm	2.050 mm
sheet thickness (St 37)	max 2,0 mm	max 1,5 mm	max 1,2 mm	max 1,0 mm
roller diameter	75 mm	75 mm	75 mm	75 mm
min. bending diameter	110 mm	110 mm	110 mm	110 mm
dimensions (L x D x H)	1.930 x 700 x 1.160 mm	2.150 x 700 x 1.160 mm	2.430 x 700 x 1.160 mm	2.930 x 700 x 1.160 mm
weight	300 kg	330 kg	365 kg	525 kg

	E-RB 1.050-2,0	E-RB 1.270-1,5	E-RB 1.550-1,2	E-RB 2.050-1,0
EAN	4260364291292	4260364291308	4260364291315	4260364291322
Item No.	352 0050	352 0127	352 0155	352 0205

	E-RB 1.050-2,0 GW	E-RB 1.270-1,5 GW	E-RB 1.550-1,2 GW	E-RB 2.050-1,0 GW
EAN	4260364291339	4260364291346	4260364291353	4260364291360
Item No.	352 0055	352 1127	352 1155	352 1205

GW = hardened rolls

E-RME 1.050-2,0 / E-RME 1.270-1,5 E-RME 1.550-1,2 / E-RME 2.050-1,0

3-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



PIC.: E-RME 1.050-2,0

When ordering please name the type of material which will be used

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2



**E-RME 1.050-2,0 / E-RME 1.270-1,5
E-RME 1.550-1,2 / E-RME 2.050-1,0**

- » heavy duty cast iron construction
- » rolls are of SAE-1050 quality steel
- » asymmetrical 3-roller quality bending rollers
- » with cone device
- » upper roll with indicatory slot
- » lower and back rolls are supplied with various grooves for rolling of wire inserts or smaller work pieces

Description	E-RME 1.050-2,0	E-RME 1.270-1,5	E-RME 1.550-1,2	E-RME 2.050-1,0
roller length	max. 1.050 mm	max. 1.270 mm	max. 1.550 mm	max. 2.050 mm
sheet thickness (St 37)	max. 2,0 mm	max. 1,5 mm	max. 1,2 mm	max. 1,0 mm
roller diameter	75 mm	75 mm	75 mm	75 mm
min. bending diameter	110 mm	110 mm	110 mm	110 mm
motor power	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW
dimensions (L x D x H)	1.610 x 700 x 1.160 mm	1.830 x 700 x 1.160 mm	2.110 x 700 x 1.160 mm	2.610 x 700 x 1.160 mm
weight	385 kg	400 kg	430 kg	590 kg
	E-RME 1.050-2,0	E-RME 1.270-1,5	E-RME 1.550-1,2	E-RME 2.050-1,0
EAN	4260364291391	4260364291407	4260364291414	4260364291421
Item No.	352 2050	352 2127	352 2155	352 2205

	E-RME 1.050-2,0 GW	E-RME 1.270-1,5 GW	E-RME 1.550-1,2 GW	E-RME 2.050-1,0 GW
EAN	4260364291438	4260364291445	4260364291452	4260364291469
Item No.	352 2055	352 3127	352 3155	352 3205

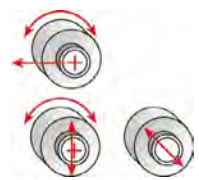
E-RBE 1.050-3,0 / E-RBE 1.270-2,5 E-RBE 1.550-2,0 / E-RBE 2.050-1,5

3-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



PIC.: E-RBE 1.050-3,0



OPTIONAL EQUIPMENT

- » motorized roller adjustment
- » digital display
- » hardened rollers
- » **bending performance data refer to 24 kg/m² sheet bending limit**
- » **sheet thickness for stainless steel: factor 0,5**
- » **sheet thickness for aluminum: factor 1,2**

**E-RBE 1.050-3,0 / E-RBE 1.270-2,5
E-RBE 1.550-2,0 / E-RBE 2.050-1,5**

- » heavy duty cast iron construction
- » rolls are of SAE-1050 quality steel
- » asymmetrical 3-roller quality bending roller
- » upper roll with indicatory slot
- » lower roll adjustment with adjusting lever and eccentric
- » back roll through hand wheel
- » with cone device
- » lower and back rolls are supplied with various groves for rolling of wire inserts or smaller work pieces
- » E-motor 400 V / 1,1 kW / 1,5 kW
- » foot pedal for forward and reverse
- » for security - emergency stop

When ordering please name the type of material which will be used

Description	E-RBE 1.050-3,0	E-RBE 1.270-2,5	E-RBE 1.550-2,0	E-RBE 2.050-1,5
roller length	max. 1.050 mm	max. 1.270 mm	max. 1.550 mm	max. 2.050 mm
sheet thickness (St 37)	max. 3,0 mm	max. 2,5 mm	max. 2,0 mm	max. 1,5 mm
roller diameter	90 mm	90 mm	90 mm	95 mm
min. bending diameter	135 mm	135 mm	135 mm	140 mm
motor power	400 V / 50 Hz / 1,1 kW	400 V / 50 Hz / 1,1 kW	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW
dimensions (L x D x H)	1.630 x 700 x 1.200 mm	1.850 x 700 x 1.200 mm	2.130 x 700 x 1.200 mm	2.630 x 700 x 1.200 mm
weight	455 kg	490 kg	545 kg	665 kg
	E-RBE 1.050-3,0	E-RBE 1.270-2,5	E-RBE 1.550-2,0	E-RBE 2.050-1,5
EAN	4260364291476	4260364291483	4260364291513	4260364291520
Item No.	352 1050	352 1270	352 1550	352 3050

	E-RBE 1.050-3,0 GW	E-RBE 1.270-2,5 GW	E-RBE 1.550-2,0 GW	E-RBE 2.050-1,5 GW
EAN	4260364291490	4260364291506	4260364291537	4260364291544
Item No.	352 1055	352 1275	352 1555	352 3055

GW = hardened rolls

E-RBE-H 1.270-2,5 / E-RBE-H 1.550-2,0 E-RBE-H 2.050-1,5

3-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

PIC.: E-RBE-H 1.270-2,5

**E-RBE-H 1.270-2,5 / E-RBE-H 1.550-2,0
E-RBE-H 2.050-1,5**

- » heavy duty cast iron construction
- » asymmetrical 3-roller quality bending roller
- » upper and lower rolls easy adjustable
- » rolls of high pressure steel
- » lower roller adjustment due to control lever and excentre
- » roller adjustment due to handwheel
- » groove on lower and back roll
- » foot operation enables you free hands for the working material
- » security switch / emergency stop

OPTIONAL EQUIPMENT

- » hardened rollers
- » digital readout for rear rollers
- » stepless roller speeds

Description	E-RBE-H 1.270-2,5	E-RBE-H 1.550-2,0	E-RBE-H 2.050-1,5
roller length	1.270 mm	1.550 mm	2.050 mm
sheet thickness	2,5 mm	2,0 mm	1,5 mm
roller diameter	90 mm	90 mm	95 mm
roller speed	6 m/min	6 m/min	6 m/min
motor power	400 V / 50 Hz / 1,1 kW	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW
wire chunks diameter	4 / 7 / 10 mm	4 / 7 / 10 mm	4 / 7 / 10 mm
dimensions (L x D x H)	1.850 x 700 x 1.200 mm	2.130 x 700 x 1.200 mm	2.630 x 700 x 1.200 mm
weight	520 kg	580 kg	715 kg
	E-RBE-H 1.270-2,5	E-RBE-H 1.550-2,0	E-RBE-H 2.050-1,5
EAN	4260364296303	4260364296310	4260364296327
Item No.	352 1225	352 1520	352 2015

E-RWE 1.050-3,0 / E-RWE 1.270-2,5 E-RWE 1.550-2,0 / E-RWE 2.050-1,5

3-ROLLER-ROUND BENDING MACHINES

NEW

PREMIUM-LINE



PIC.: E-RWE 1.270-2,5

OPTIONAL EQUIPMENT

- » hardened rollers
- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

**E-RWE 1.050-3,0 / E-RWE 1.270-2,5
E-RWE 1.550-2,0 / E-RWE 2.050-1,5**

- » heavy and stable cast iron construction
- » top and bottom rollers with gear drive
- » rolls made of SAE-1050 quality steel
- » asymmetrical 3-roller system with swing-out top roller and eccentric shutter
- » rear roller adjustment via handwheel
- » rollers with wire insertion groove
- » with conical bending device
- » the foot control allows both hands to remain free for material handling
- » electric motor 400 V / 1,1 kW / 1,5 kW
- » foot pedal for forward and reverse motion
- » safety device with emergency stop switch

When ordering please name the type of material which will be used

Description	E-RWE 1.270-3,0	E-RWE 1.550-2,5	E-RWE 2.050-1,8	E-RWE 2.550-1,0
roller length	max. 1.270 mm	max. 1.550 mm	max. 2.050 mm	max. 2.550 mm
sheet thickness (St 37)	max. 3,0 mm	max. 2,5 mm	max. 1,8 mm	max. 1,0 mm
roller diameter	100 mm	100 mm	200 mm	100 mm
motor power	400 V / 50 Hz / 1,1 kW	400 V / 50 Hz / 1,1 kW	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 1,5 kW
roller speed	6 m/min	6 m/min	6 m/min	6 m/min
dimensions (L x D x H)	1.850 x 700 x 1.200 mm	2.130 x 700 x 1.200 mm	2.630 x 700 x 1.200 mm	3.180 x 700 x 1.200 mm
weight	650 kg	700 kg	850 kg	950 kg
	E-RWE 1.050-3,0	E-RWE 1.270-2,5	E-RWE 1.550-2,0	E-RWE 2.050-1,5
EAN	4260364298352	4260364298369	4260364298376	4260364298345
Item No.	352 1230	352 1525	352 2018	351 2510

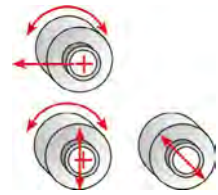
	E-RWE 1.270-3,0 GW	E-RWE 1.550-2,5 GW	E-RWE 2.050-1,8 GW	E-RWE 2.550-1,0 GW
EAN	4260364298390	4260364298406	4260364298413	4260364298406
Item No.	352 3230	352 3525	352 3018	352 3510

GW = hardened rolls

E-RBM 1.270-4,0 / E-RBM 1.550-4,0 E-RBM 2.050-3,0

MOTORIC 3-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



PIC.: E-RBM 1.270-4,0



E-RBM 1.270-4,0 / E-RBM 1.550-4,0 E-RBM 2.050-3,0

- » heavy duty cast iron construction
- » asymmetrical 3-roller quality bending roller
- » upper and lower rolls easy adjustable
- » rolls of St.1050 high pressure steel
- » with cone device
- » groove on lower and back roll
- » foot operation enables you free hands for the working material
- » powerful 400 V motor



OPTIONAL EQUIPMENT

- » motorized roller adjustment
- » digital display
- » hardened rollers (GW)

When ordering please name the type of material which will be used

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

Description	E-RBM 1.270-4,0	E-RBM 1.550-4,0	E-RBM 2.050-3,0
roller length	max. 1.270 mm	max. 1.550 mm	max. 2.050 mm
sheet thickness (St 37)	max. 4,0 mm	max. 4,0 mm	max. 3,0 mm
roller diameter	120 mm	140 mm	130 mm
min. bending diameter	180 mm	210 mm	195 mm
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW
roller speed	3,5 m/min	3,5 m/min	3,5 m/min
dimensions (L x D x H)	2.470 x 750 x 1.000 mm	2.700 x 750 x 1.000 mm	3.200 x 750 x 1.000 mm
weight	1.350 kg	1.420 kg	1.500 kg

	E-RBM 1.270-4,0	E-RBM 1.550-4,0	E-RBM 2.050-3,0
EAN	4260364291551	4260364291568	4260364291575
Item No.	352 1274	352 1554	352 2053

	E-RBM 1.270-4,0 GW	E-RBM 1.550-4,0 GW	E-RBM 2.050-3,0 GW
EAN	4260364291582	4260364291599	4260364291605
Item No.	352 2274	352 2554	352 3054

GW = hardened rolls

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

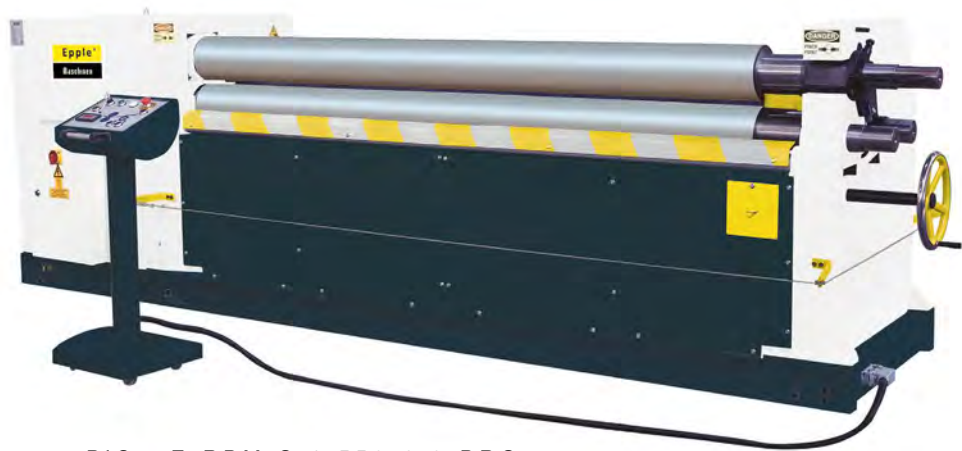
OTHER MACHINES

ACCESSORIES

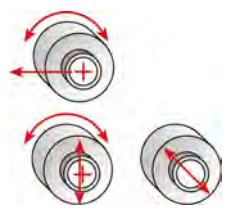
E-RBM-S PRO - MODELS

MOTORIC 3-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



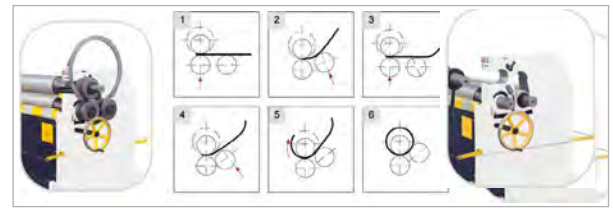
PIC.: E-RBM-S 1.550-6,0 PRO



E-RBM-S PRO - MODELS

- » solid steel construction for highest loads in continuous operation
- » conic bending device as standard
- » motor driven central roller
- » motoric pre-bending by worm gear
- » rollers made of SAE-1050 quality steel
- » speed reduction gear in oil bath
- » brake motor
- » central lubrication
- » separate, mobile control panel

» **bending performance data refer to 24 kg/m² sheet bending limit**
 » **sheet thickness for stainless steel: factor 0,5**
 » **sheet thickness for aluminum: factor 1,2**



OPTIONAL EQUIPMENT

- » profile bending rolls
- » digital display
- » hardened rollers
- » extended roller ends for placing profile-bending rolls



When ordering please name the type of material which will be used

Description	E-RBM-S PRO 1.550-6,0	E-RBM-S PRO 1.550-9,0	E-RBM-S PRO 2.050-6,0	E-RBM-S PRO 2.550-6,0	E-RBM-S PRO 3.050-6,0
roller length	1.550 mm	1.550 mm	2.050 mm	2.550 mm	3.050 mm
sheet thickness (St 37)	max. 6,0 mm	max. 9,0 mm	max. 6,0 mm	max. 6,0 mm	max. 6,0 mm
roller diameter	130 mm	190 mm	170 mm	190 mm	220 mm
min. bending diameter	195 mm	285 mm	255 mm	285 mm	330 mm
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 5,5 kW
dimensions (L x D x H)	3.250 x 650 x 1.020 mm	3.700 x 950 x 1.300 mm	3.850 x 720 x 1.050 mm	4.700 x 950 x 1.300 mm	5.200 x 1.150 x 1.400 mm
weight	1.400 kg	2.750 kg	2.100 kg	3.400 kg	6.000 kg
	E-RBM-S PRO 1.550-6,0	E-RBM-S PRO 1.550-9,0	E-RBM-S PRO 2.050-6,0	E-RBM-S PRO 2.550-6,0	E-RBM-S PRO 3.050-6,0
EAN	4260364291612	4260364291629	4260364291636	4260364291643	4260364291650
Item No.	353 1556	353 1559	353 2056	353 2556	353 3056

	E-RBM-S PRO 1.550-6,0 GW	E-RBM-S PRO 1.550-9,0 GW	E-RBM-S PRO 2.050-6,0 GW	E-RBM-S PRO 2.550-6,0 GW	E-RBM-S PRO 3.050-6,0 GW
EAN	4260364291667	4260364291674	4260364291681	4260364291698	4260364291704
Item No.	353 1557	353 1550	353 2057	353 2557	353 3057

GW = hardened rollers

E-3RBM PRO UHS - MODELS

MOTORIC 3-ROLLER-ROUND BENDING MACHINES

NEW



PREMIUM-LINE



PIC.: E-3RBM PRO UHS 3.100-45,0

Particularly stable machines with optimized roll arrangement for bending thick sheets. As standard, the machines are equipped with hardened rolls, the top roll has two speeds, including a brake system, electronic balancing system and a conical bending device.

The two bottom rollers move horizontally. The distance between the bottom rollers can be reduced for pre-bending tubes with small diameters and small thickness.

Due to the special arrangement of the bottom rolls, plates can be straightened with this machine. The top roll can also be used as a forming roll like a conventional press brake to allow perfect rewinding and calibration of the produced tubes. Funnel moulds with large sheet thickness can also be produced with these machines.

Description	E-3RBM PRO UHS 3.100-55,0	E-3RBM PRO UHS 3.100-60,0	E-3RBM PRO UHS 3.100-65,0
roller length	3100 mm	3.100 mm	3.100 mm
sheet thickness (St 37)	40,0 mm	45,0 mm	50,0 mm
diameter of the upper rolls	450 mm	580 mm	550 mm
diameter of the lower rolls	420 mm	500 mm	500 mm
motor power	400 V / 50 Hz / 52 kW	400 V / 50 Hz / 73,5 kW	400 V / 50 Hz / 73,5 kW
roller speed	1,5 - 5 m/min	1,5 - 4 m/min	1,5 - 4 m/min
dimensions (L x D x H)	6.650 x 2.800 x 2.200 mm	7.4500 x 3.100 x 2.650 mm	7.600 x 3.350 x 2.700 mm
weight	25.000 kg	33.000 kg	45.000 kg
	E-3RBM PRO UHS 3.100-55,0	E-3RBM PRO UHS 3.100-60,0	E-3RBM PRO UHS 3.100-65,0
EAN	4260364299151	4260364299168	4260364299175
Item No.	355 3155	355 3106	355 3165

Description	E-3RBM PRO UHS 3.100-80,0	E-3RBM PRO UHS 3.100-90,0
roller length	3.100 mm	3.100 mm
sheet thickness (St 37)	65,0 mm	75,0 mm
diameter of the upper rolls	620 mm	680 mm
diameter of the lower rolls	560 mm	600 mm
motor power	400 V / 50 Hz / 169 kW	400 V / 50 Hz / 180 kW
roller speed	1,5 - 4 m/min	1,5 - 4 m/min
dimensions (L x D x H)	9.000 x 4.400 x 3.000 mm	9.200 x 4.500 x 3.000 mm
weight	65.000 kg	73.000 kg
	E-3RBM PRO UHS 3.100-80,0	E-3RBM PRO UHS 3.100-90,0
EAN	4260364299182	4260364299199
Item No.	355 3181	355 3190

» bending performance data refer to 24 kg/m² sheet bending limit
 » sheet thickness for stainless steel: factor 0,5
 » sheet thickness for aluminum: factor 1,2

When ordering please name the type of material which will be used

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

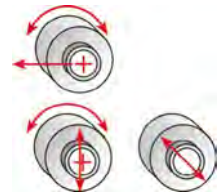
OTHER MACHINES

ACCESSORIES

E-RBM-H PRO - MODELS

HYDRAULIC 3-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



PIC.: E-RBM-H PRO 1.270-5,0

For technical data check page 177.

E-RBM-H PRO - MODELS

- » hydraulic 3-roller round bending machine with asymmetrical roll arrangement, ideal for pre-bending
- » 2-axis digital readout system for rear and bottom roller
- » conical bending device, motor-driven adjustment of bottom roller
- » hydraulic folding bearing
- » motorized drive of top and bottom roller
- » inclined position of the bottom roller motorized (conical bending)
- » hydraulic rear roller feed
- » hardened rollers



drop end
» hydraulic drop end for quick removal of machined tube



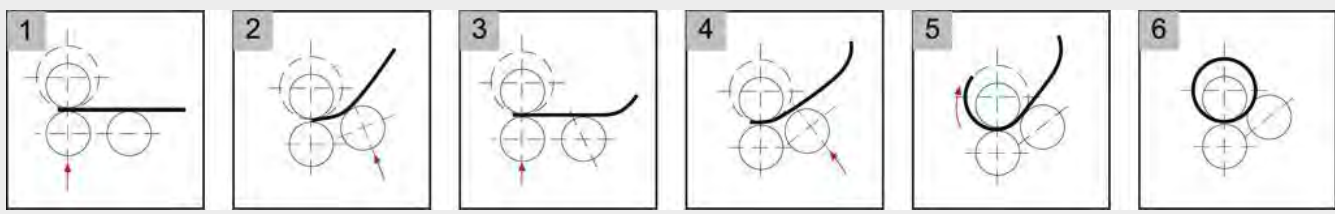
Digital Readout
» mobile control panel for the control of all elements including 2-axis digital display for back and lower roll

OPTIONAL

- » 3 driven rollers

» bending performance data refer to 24 kg/m² sheet bending limit
 » sheet thickness for stainless steel: factor 0,5
 » sheet thickness for aluminum: factor 1,2

Functional scheme of the bending process



E-RBM-H PRO - MODELS

TECHNICAL DATA

When ordering please
name the type of material
which will be used

Description	E-RBM-H PRO 1.270-5,0	E-RBM-H PRO 1.270-12,0	E-RBM-H PRO 1.550-6,5
roller length	max. 1.270 mm	max. 1.270 mm	max. 1.550 mm
sheet thickness (St 37)	max. 5,0 mm	max. 12,0 mm	max. 6,5 mm
diameter of the upper and lower rolls	130 mm	200 mm	150 mm
min. bending diameter	650 mm	1.000 mm	750 mm
motor power	400 V / 50 Hz / 3,3 kW	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 3,3 kW
roller speed	5 m/min	6 m/min	6 m/min
dimensions (L x D x H)	3.020 x 950 x 1.100 mm	3.070 x 1.150 x 1.290 mm	3.300 x 950 x 1.110 mm
weight	1.750 kg	2.200 kg	2.000 kg
	E-RBM-H PRO 1.270-5,0	E-RBM-H PRO 1.270-12,0	E-RBM-H PRO 1.550-6,5
EAN	4260364291711	4260364291728	4260364291735
Item No.	354 1250	354 1212	354 1565

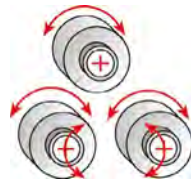
Description	E-RBM-H PRO 1.550-12,0	E-RBM-H PRO 2.050-8,0	E-RBM-H PRO 2.050-12,0
roller length	max. 1.550 mm	max. 2.050 mm	max. 2.050 mm
sheet thickness (St 37)	max. 12,0 mm	max. 8,0 mm	max. 12,0 mm
diameter of the upper and lower rolls	220 mm	180 mm	250 mm
min. bending diameter	1.100 mm	900 mm	1.250 mm
motor power	400 V / 50 Hz / 7 kW	400 V / 50 Hz / 5,1 kW	400 V / 50 Hz / 3 kW
roller speed	5 m/min	5 m/min	5 m/min
dimensions (L x D x H)	3.500 x 1.200 x 1.370 mm	3.850 x 1.100 x 1.290 mm	4.000 x 1.200 x 1.370 mm
weight	3.250 kg	2.690 kg	4.200 kg
	E-RBM-H PRO 1.550-12,0	E-RBM-H PRO 2.050-8,0	E-RBM-H PRO 2.050-12,0
EAN	4260364291742	4260364291759	4260364291766
Item No.	354 1512	354 2080	354 2012

Description	E-RBM-H PRO 2.550-6,0	E-RBM-H PRO 2.550-10,0	E-RBM-H PRO 3.050-9,0
roller length	max. 2.550 mm	max. 2.550 mm	max. 3.050 mm
sheet thickness (St 37)	max. 6,0 mm	max. 10,0 mm	max. 9,0 mm
diameter of the upper and lower rolls	180 mm	250 mm	250 mm
min. bending diameter	900 mm	1.250 mm	1.250 mm
motor power	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW
roller speed	5 m/min	5 m/min	5 m/min
dimensions (L x D x H)	4.350 x 1.100 x 1.290 mm	4.500 x 1.200 x 1.370 mm	5.000 x 1.200 x 1.370 mm
weight	3.070 kg	4.800 kg	5.400 kg
	E-RBM-H PRO 2.550-6,0	E-RBM-H PRO 2.550-10,0	E-RBM-H PRO 3.050-9,0
EAN	4260364291773	4260364291780	4260364291797
Item No.	354 2560	354 2510	354 3090

E-3RBM PRO HS - MODELS

HYDRAULIC 3-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



PIC.: E-3RBM PRO HS 4.100-8,0

For technical data check page 179.

E-3RBM PRO HS - MODELS

- » all 3 rolls are driven
- » oblique positioning of the lower rolls straight from the control panel for conic bending
- » hydraulic drop end for easy work piece removal
- » hydraulic balance system
- » hardened rolls made of forged SAE-1050 quality steel
- » digital display for the roller adjustment



profile bending
» with extended roller ends (optional)



bending possibility of cones
» setting for cone bending (standard)



prebending
» easy prebending of the sheets



drop end
» hydraulic drop end for rapid removal of the machined tubes (standard)

E-3RBM PRO HS - MODELS

OPTIONAL EQUIPMENT

- » profile bending rolls
- » hydraulic, stepless control of the roller speed
- » hydraulic support for large radius
- » hydraulic side support
- » hydraulic tube ejection
- » ground and polished rolls

- » **bending performance data refer to 24 kg/m² sheet bending limit**
- » **sheet thickness for stainless steel: factor 0,5**
- » **sheet thickness for aluminum: factor 1,2**

When ordering please name the type of material which will be used

TECHNICAL DATA

Description	E-3RBM PRO HS 2.050-13,0	E-3RBM PRO HS 2.550-8,0	E-3RBM PRO HS 2.550-13,0
roller length	max. 2.050 mm	max. 2.550 mm	max. 2.550 mm
sheet thickness (St 37)	max. 13,0 mm	max. 8,0 mm	max. 13,0 mm
diameter of the upper rolls	240 mm	210 mm	280 mm
diameter of the lower rolls	220 mm	190 mm	260 mm
motor power	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 11 kW
roller speed	5 m/min	5 m/min	5 m/min
dimensions (L x D x H)	3.400 x 1.300 x 1.450 mm	3.900 x 1.200 x 1.300 mm	4.600 x 1.400 x 1.550 mm
weight	5.060 kg	4.570 kg	7.720 kg

	E-3RBM PRO HS 2.050-13,0	E-3RBM PRO HS 2.550-8,0	E-3RBM PRO HS 2.550-13,0
EAN	4260364291803	4260364291810	4260364291827
Item No.	355 2013	355 2580	355 2513

Description	E-3RBM PRO HS 3.100-6,0	E-3RBM PRO HS 3.100-13,0	E-3RBM PRO HS 4.100-8,0
roller length	max. 3.100 mm	max. 3.100 mm	max. 4.100 mm
sheet thickness (St 37)	max. 6,0 mm	max. 13,0 mm	max. 8,0 mm
diameter of the upper rolls	210 mm	300 mm	300 mm
diameter of the lower rolls	190 mm	280 mm	280 mm
motor power	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 11 kW	400 V / 50 Hz / 11 kW
roller speed	5 m/min	5 m/min	5 m/min
dimensions (L x D x H)	4.450 x 1.200 x 1.300 mm	5.150 x 1.500 x 1.550 mm	6.150 x 1.500 x 1.550 mm
weight	5.205 kg	9.900 kg	11.800 kg

	E-3RBM PRO HS 3.100-6,0	E-3RBM PRO HS 3.100-13,0	E-3RBM PRO HS 4.100-8,0
EAN	4260364291834	4260364291841	4260364291858
Item No.	355 3160	355 3113	355 4180

E-3RBM PRO HSS - MODELS

HYDRAULIC 3-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



PIC.: E-3RBM 3.100-25,0
WITH OPTIONAL VERTICAL
OVERHEADCRANE

For technical data check page 181.

When ordering please name the type of material which will be used

E-3RBM PRO HSS - MODELS

- » fully hydraulic 3-roller round bending machine with high prebending performance
- » solid welded steel construction
- » hydraulic drive of all 3 rolls via planetary reduction gear
- » hydraulic compensation of the roll rotation speed
- » extended roll ends for the application of profile bending rolls
- » hardened rolls made of forged SAE-1050 quality steel
- » digital display for adjustable lower rolls as standard
- » conical bending device as standard



hydraulic device
» with high quality components (view without covering)



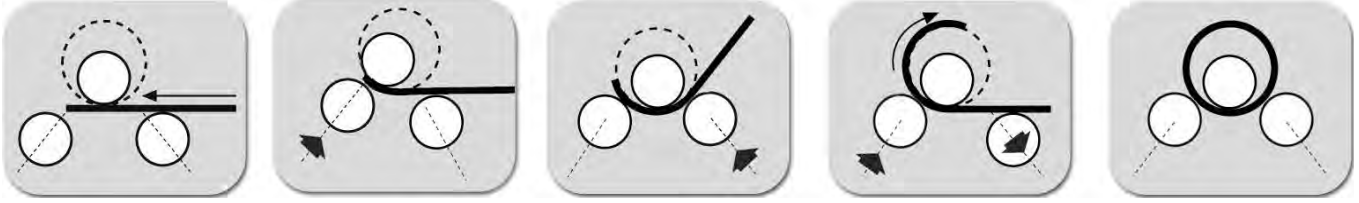
drop end
» hydraulic drop end for rapid removal of the machined tubes (standard)

OPTIONAL EQUIPMENT

- » various profile rolls
- » hydraulic support for large radius
- » hydraulic side support
- » hydraulic tube ejecting
- » ground and polished rolls

» bending performance data refer to 24 kg/m² sheet bending limit
» sheet thickness for stainless steel: factor 0,5
» sheet thickness for aluminum: factor 1,2

Function scheme of the bending process



E-3RBM PRO HSS - MODELS

TECHNICAL DATA

Description	E-3RBM PRO HSS 2.050-30,0	E-3RBM PRO HSS 2.050-35,0	E-3RBM PRO HSS 2.550-25,0
roller length	max. 2.050 mm	max. 2.050 mm	max. 2.550 mm
sheet thickness (St 37)	max. 30,0 mm	max. 35,0 mm	max. 25,0 mm
diameter of the upper rolls	350 mm	380 mm	350 mm
diameter of the lower rolls	330 mm	360 mm	330 mm
motor power	400 V / 50 Hz / 22 kW	400 V / 50 Hz / 37 kW	400 V / 50 Hz / 22 kW
roller speed	1,5 / 5 m/min	1,5 / 5 m/min	1,5 / 5 m/min
dimensions (L x D x H)	4.600 x 2.000 x 1.750 mm	4.600 x 2.100 x 1.850 mm	5.100 x 2.000 x 1.750 mm
weight	10.600 kg	12.650 kg	12.000 kg
	E-3RBM PRO HSS 2.050-30,0	E-3RBM PRO HSS 2.050-35,0	E-3RBM PRO HSS 2.550-25,0
EAN	4260364291865	4260364291872	4260364291889
Item No.	356 2030	356 2035	356 2525

Description	E-3RBM PRO HSS 2.550-30,0	E-3RBM PRO HSS 3.100-20,0	E-3RBM PRO HSS 3.100-25,0
roller length	max. 2.550 mm	max. 3.100 mm	max. 3.100 mm
sheet thickness (St 37)	max. 30,0 mm	max. 20,0 mm	max. 25,0 mm
diameter of the upper rolls	380 mm	350 mm	380 mm
diameter of the lower rolls	360 mm	330 mm	360 mm
motor power	400 V / 50 Hz / 37 kW	400 V / 50 Hz / 22 kW	400 V / 50 Hz / 37 kW
roller speed	1,5 / 5 m/min	1,5 / 5 m/min	1,5 / 5 m/min
dimensions (L x D x H)	5.100 x 2.100 x 1.850 mm	5.650 x 2.000 x 1.750 mm	5.650 x 2.100 x 1.850 mm
weight	13.900 kg	13.000 kg	15.300 kg
	E-3RBM PRO HSS 2.550-30,0	E-3RBM PRO HSS 3.100-20,0	E-3RBM PRO HSS 3.100-25,0
EAN	4260364291896	4260364291902	4260364291919
Item No.	356 2530	356 3120	356 3125

Description	E-3RBM PRO HSS 4.100-12,0	E-3RBM PRO HSS 4.100-16,0	E-3RBM PRO HSS 4.100-20,0
roller length	max. 4.100 mm	max. 4.100 mm	max. 4.100 mm
sheet thickness (St 37)	max. 12,0 mm	max. 16,0 mm	max. 20,0 mm
diameter of the upper rolls	350 mm	380 mm	420 mm
diameter of the lower rolls	330 mm	360 mm	400 mm
motor power	400 V / 50 Hz / 22 kW	400 V / 50 Hz / 37 kW	400 V / 50 Hz / 37 kW
roller speed	1,5 / 5 m/min	1,5 / 5 m/min	1,5 / 5 m/min
dimensions (L x D x H)	6.650 x 2.000 x 1.750 mm	6.950 x 2.100 x 1.850 mm	6.750 x 2.250 x 2.250 mm
weight	18.000 kg	17.950 kg	23.320 kg
	E-3RBM PRO HSS 4.100-12,0	E-3RBM PRO HSS 4.100-16,0	E-3RBM PRO HSS 4.100-20,0
EAN	4260364291926	4260364291933	4260364291940
Item No.	356 4112	356 4116	356 4120

E-4KRB-H 1.050-3,0 / E-4KRB-H 1.050-4,0 CONIC 4-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



PIC.: E-4KRB-H 1.050-3,0



E-4KRB-H 1.050-3,0 / E-4KRB-H 1.050-4,0

- » the drive of the rolls is given by electric motor with planetary gear
- » hydraulic upward and downward movement
- » hydraulic bearing cap for easy removal of the rolled material
- » entire operation via clear and mobile control panel
- » digital display for roll position
- » heavy welded steel construction
- » central lubrication
- » induction hardened, polished steel rolls (SAE-1050)

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

When ordering please name the type of material which will be used

Description	E-4KRB-H 1.050-3,0	E-4KRB-H 1.050-4,0
roller length	max. 1.050 mm	max. 1.050 mm
sheet thickness (St 37)	max. 3,0 mm	max. 4,0 mm
biggest roller Ø	155 mm	185 mm
smallest roller Ø	40 mm	70 mm
min. bending diameter	63 mm	105 mm
motor power	400 V / 50 Hz / 3,7 kW	400 V / 50 Hz / 5,5 kW
roller speed	5 m/min	5 m/min
dimensions (L x D x H)	3.200 x 1.150 x 1.100 mm	2.800 x 1.250 x 1.170 mm
weight	2.000 kg	2.500 kg
	E-4KRB-H 1.050-3,0	E-4KRB-H 1.050-4,0
EAN	4260364296457	4260364296464
Item No.	357 1030	357 1040



PIC. SHOWS AN EXAMPLE OF A FINAL PRODUCT

E-4RBM 1.050-5,0 / E-4RBM 1.550-4,0 E-4RBM 2.050-3,0

4-ROLLER-ROUND BENDING MACHINES

NEW

PREMIUM-LINE



PIC.: E-4RBM 1.550-4,0

E-4RBM 1.050-5,0 / E-4RBM 1.550-4,0 E-4RBM 2.050-3,0

- » upper roller drive of the side and bottom roll;
up and down movements are carried out with reduction gears
- » manual folding bearing for easy removal of the rolled material
- » control via mobile control panel
- » heavy steel welded construction
- » conical bending device
- » induction-hardened rolls of forged steel



- » **bending performance data refer to 24 kg/m² sheet bending limit**
- » **sheet thickness for stainless steel: factor 0,5**
- » **sheet thickness for aluminum: factor 1,2**

When ordering please name the type of material which will be used

Description	E-4RBM 1.050-5,0	E-4RBM 1.550-4,0	E-4RBM 2.050-3,0
roller length	max. 1.050 mm	max. 1.550 mm	max. 2.050 mm
sheet thickness (St 37)	max. 5,0 mm	max. 4,0 mm	max. 3,0 mm
diameter of the upper rolls	130 mm	130 mm	130 mm
diameter of the lower rolls	110 mm	110 mm	110 mm
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW
roller speed	5 m/min	5 m/min	5 m/min
dimensions (L x D x H)	2.500 x 900 x 850 mm	3.000 x 900 x 850 mm	3.500 x 900 x 850 mm
weight	1.300 kg	1.550 kg	1.900 kg
	E-4RBM 1.050-5,0	E-4RBM 1.550-4,0	E-4RBM 2.050-3,0
EAN	4260364296471	4260364296488	4260364296495
Item No.	359 1055	359 1554	359 2053

E-4RBM-H NC - MODELS

HYDRAULIC 4-ROLLER-ROUND BENDING MACHINES

NEW

PREMIUM-LINE



PIC.: E-4RBM-H NC 1.050-1,5

When ordering please name the type of material which will be used

E-4RBM-H NC - MODELS WITH NC-CONTROL

- » hydraulic drive of upper and side rolls, also for up and down movements
- » hydraulic drop end for easy removal of the rolled sheets
- » all operations controlled by functionally designed movable panel
- » digital display for lower and side rolls
- » welded heavy steel construction
- » conic bending device
- » central lubrication
- » induction hardened rolls made of forged steel

Description	E-4RBM-H 1.050-1,5 NC	E-4RBM-H 1.050-2,5 NC
roller length	max. 1.050 mm	max. 1.050 mm
sheet thickness (St 37)	max. 1,5 mm	max. 2,5 mm
diameter of the central rolls	60 mm	90 mm
diameter of the side rolls	60 mm	100 mm
motor power	400 V / 50 Hz / 1,1 kW	400 V / 50 Hz / 2,2 kW
roller speed	4,5 m/min	4,5 m/min
dimensions (L x D x H)	2.050 x 875 x 1.060 mm	2.250 x 1.000 x 1.500 mm
weight	720 kg	900 kg
	E-4RBM-H 1.050-1,5 NC	E-4RBM-H 1.050-2,5 NC
EAN	4260364296549	4260364296556
Artikel-Nummer	357 2015	357 1025

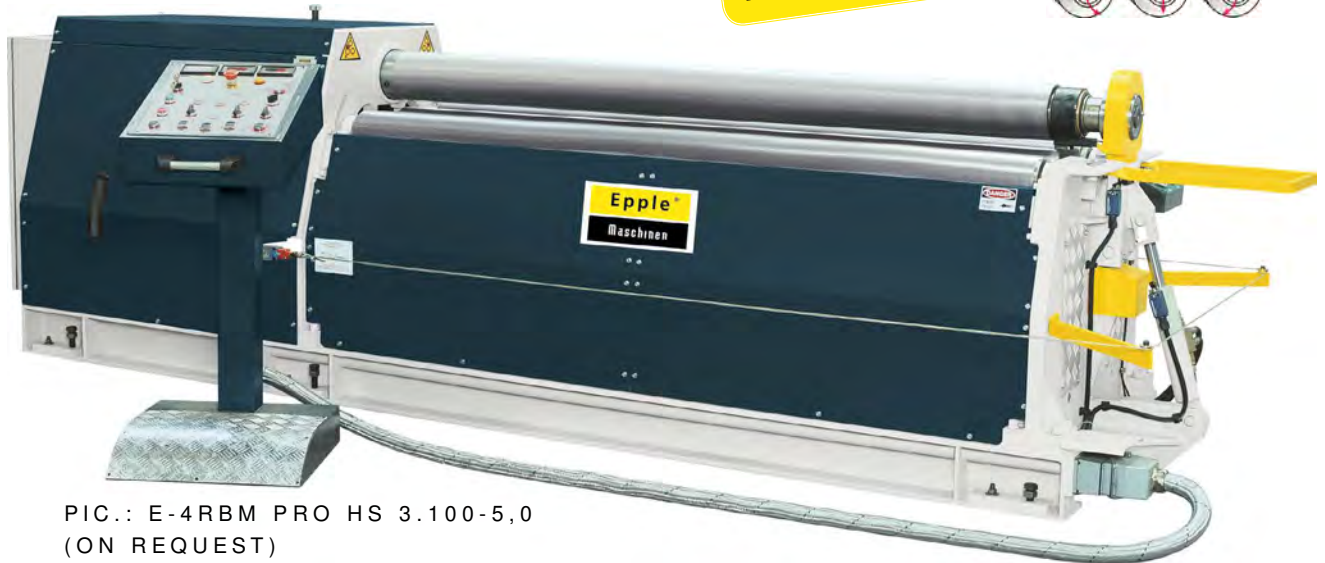
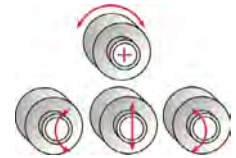
Description	E-4RBM-H 1.050-5,0 NC	E-4RBM-H 1.550-2,0 NC	E-4RBM-H 1.550-4,0 NC
roller length	max. 1.050 mm	max. 1.550 mm	max. 1.550 mm
sheet thickness (St 37)	max. 5,0 mm	max. 2,0 mm	max. 4,0 mm
diameter of the central rolls	130 mm	90 mm	130 mm
diameter of the side rolls	110 mm	100 mm	110 mm
motor power	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 3 kW
roller speed	4,5 m/min	4,5 m/min	5 m/min
dimensions (L x D x H)	2.250 x 1.000 x 1.500 mm	2.750 x 1.000 x 1.500 mm	2.750 x 1.000 x 1.500 mm
weight	1.560 kg	1.100 kg	1.760 kg
	E-4RBM-H 1.050-5,0 NC	E-4RBM-H 1.550-2,0 NC	E-4RBM-H 1.550-4,0 NC
EAN	4260364296563	4260364296570	4260364296587
Item No.	357 1050	357 1520	357 1540

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

E-4RBM PRO HS - MODELS

MOTORIC 4-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



PIC.: E-4RBM PRO HS 3.100-5,0
(ON REQUEST)

E-4RBM PRO HS - MODELS

- » hydraulic drive of upper and side rolls, also for up and down movements
- » hydraulic drop end for easy removal of the rolled sheets
- » all operations controlled by functionally designed movable panel
- » digital display for lower and side rolls
- » welded heavy steel construction
- » conic bending device
- » central lubrication
- » induction hardened rolls made of forged steel



OPTIONAL EQUIPMENT

- » NC control
- » hydraulic support for large radius
- » hydraulic side support

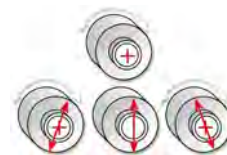
- » **bending performance data refer to 24 kg/m² sheet bending limit**
- » **sheet thickness for stainless steel: factor 0,5**
- » **sheet thickness for aluminum: factor 1,2**

When ordering please name the type of material which will be used

Description	E-4RBM PRO HS 1.550-8,0	E-4RBM PRO HS 2.050-10,0	E-4RBM PRO HS 2.050-13,0	E-4RBM PRO HS 2.550-10,0	E-4RBM PRO HS 2.550-13,0
roller length	max. 1.550 mm	max. 2.050 mm	max. 2.050 mm	max. 2.550 mm	max. 2.550 mm
sheet thickness (St 37)	max. 8,0 mm	max. 10,0 mm	max. 13,0 mm	max. 10,0 mm	max. 13,0 mm
diameter of the central rolls	170 / 160 mm	220 mm	245 mm	245 mm	260 mm
diameter of the side rolls	150 mm	160 mm	180 mm	180 mm	200 mm
motor power	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW
roller speed	1,5 / 6 m/min	1,5 / 6 m/min	1,5 / 6 m/min	1,5 / 6 m/min	1,5 / 5 m/min
dimensions (L x D x H) in mm	3.600 x 860 x 1.150 mm	3.750 x 1.180 x 1.300 mm	4.000 x 1.550 x 1.500 mm	4.500 x 1.550 x 1.500 mm	4.500 x 1.590 x 1.600 mm
weight	2.500 kg	4.000 kg	5.100 kg	6.100 kg	6.740 kg
	E-4RBM PRO HS 1.550-8,0	E-4RBM PRO HS 2.050-10,0	E-4RBM PRO HS 2.050-13,0	E-4RBM PRO HS 2.550-10,0	E-4RBM PRO HS 2.550-13,0
EAN	4260364291957	4260364291964	4260364291971	4260364291988	4260364291995
Item No.	357 1580	357 2010	357 2013	357 2510	357 2513

E-4RBM PRO HSS - MODELS

MOTORIC 4-ROLLER-ROUND BENDING MACHINES



PREMIUM-LINE



PIC.: E-4RBM PRO HSS 3.100-20,0
(ON REQUEST)

E-4RBM PRO HSS - MODELS

- » hydraulic drive of upper and side rolls, also for up and down movements
- » side rolls in pyramid system (reliable parallelism for precise bending by the lower and side rolls)
- » 2-speed levels to be chosen on the control panel
- » digital display of both side rolls and lower roll
- » hydraulic drop end for easy removal of the machined sheets
- » all operations controlled by functionally designed movable panel
- » conic bending device as standard
- » central lubrication as standard
- » induction hardened rolls made of forged steel



hydraulic device
» with high quality components
(view without cover)



When ordering please name the type of material which will be used

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

Description	E-4RBM PRO HSS 2.050-20,0	E-4RBM PRO HSS 2.050-40,0	E-4RBM PRO HSS 2.050-60,0	E-4RBM PRO HSS 2.550-16,0
roller length	max. 2.050 mm	max. 2.050 mm	max. 2.050 mm	max. 2.550 mm
sheet thickness (St 37)	max. 20,0 mm	max. 40,0 mm	max. 60,0 mm	max. 16,0 mm
diameter of the central rolls	280 mm	380 mm	550 mm	280 mm
diameter of the side rolls	220 mm	300 mm	450 mm	220 mm
motor power	400 V / 50 Hz / 16,5 kW	400 V / 50 Hz / 31,5 kW	400 V / 50 Hz / 66,0 kW	400 V / 50 Hz / 16,5 kW
roller speed	1,5 / 5 m/min	1,5 / 5 m/min	1,0 / 4 m/min	1,5 / 5 m/min
dimensions (L x D x H)	4.850 x 1.700 x 1.850 mm	4.900 x 2.250 x 2.350 mm	5.700 x 2.900 x 2.950 mm	5.300 x 1.700 x 1.850 mm
weight	8.550 kg	15.800 kg	40.000 kg	9.200 kg
	E-4RBM PRO HSS 2.050-20,0	E-4RBM PRO HSS 2.050-40,0	E-4RBM PRO HSS 2.050-60,0	E-4RBM PRO HSS 2.550-16,0
EAN	4260364296501	4260364296518	4260364296532	4260364296525
Item No.	358 2020	358 2040	358 2060	358 2516

OPTIONAL EQUIPMENT

- » NC control
- » hydraulic support for large radius
- » hydraulic side support
- » hydraulic tube ejection
- » ground and polished rolls



E-4RBM PRO HSS - MODELS

TECHNICAL DATA

When ordering please
name the type of material
which will be used

Description	E-4RBM PRO HSS 2.550-20,0	E-4RBM PRO HSS 2.550-25,0	E-4RBM PRO HSS 3.100-12,0
roller length	max. 2.550 mm	max. 2.550 mm	max. 3.100 mm
sheet thickness (St 37)	max. 20,0 mm	max. 25,0 mm	max. 12,0 mm
diameter of the central rolls	320 mm	350 mm	280 mm
diameter of the side rolls	240 mm	260 mm	220 mm
motor power	400 V / 50 Hz / 20,0 kW	400 V / 50 Hz / 23,5 kW	400 V / 50 Hz / 16,5 kW
roller speed	1,5 / 5 m/min	1,5 / 5 m/min	1,5 / 5 m/min
dimensions (L x D x H)	5.400 x 1.800 x 1.950 mm	5.400 x 1.900 x 1.950 mm	5.850 x 1.700 x 1.850 mm
weight	11.750 kg	13.000 kg	10.000 kg
	E-4RBM PRO HSS 2.550-20,0	E-4RBM PRO HSS 2.550-25,0	E-4RBM PRO HSS 3.100-12,0
EAN	4260364292008	4260364297232	4260364292015
Item No.	358 2520	358 2525	358 3112

Description	E-4RBM PRO HSS 3.100-20,0	E-4RBM PRO HSS 3.100-25,0	E-4RBM PRO HSS 4.100-8,0
roller length	max. 3.100 mm	max. 3.100 mm	max. 4.100 mm
sheet thickness (St 37)	max. 20,0 mm	max. 25,0 mm	max. 8,0 mm
diameter of the central rolls	350 mm	380 mm	280 mm
diameter of the side rolls	260 mm	300 mm	220 mm
motor power	400 V / 50 Hz / 23,5 kW	400 V / 50 Hz / 31,5 kW	400 V / 50 Hz / 16,5 kW
roller speed	1,5 / 5 m/min	1,5 / 5 m/min	1,5 / 5 m/min
dimensions (L x D x H)	5.850 x 1.900 x 1.950 mm	5.850 x 2.250 x 2.350 mm	6.850 x 1.700 x 1.850 mm
weight	15.000 kg	18.800 kg	13.000 kg
	E-4RBM PRO HSS 3.100-20,0	E-4RBM PRO HSS 3.100-25,0	E-4RBM PRO HSS 4.100-8,0
EAN	4260364292022	4260364292039	4260364292046
Item No.	358 3120	358 3125	358 4180

E-4RBM PRO HMS - MODELS
HYDRAULIC 4-ROLLER-ROUND BENDING MACHINES

PREMIUM-LINE



PIC.: E-4RBM PRO HMS 650-3,5
(ON REQUEST: E-4RBM PRO HMS 1.550-8,0)



For technical data check page 189.

E-4RBM PRO HMS - MODELS

- » hydraulic drive of upper and side rolls, also for up and down movements
- » manual bearing cap for easy removal of the rolled sheets
- » all operations controlled by functionally designed movable panel
- » digital display of lower roll and both side rolls
- » welded heavy steel construction
- » conic bending device
- » central lubrication
- » induction hardened rolls made of forged steel

When ordering please name the type of material which will be used

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2



PIC.: E-4RBM PRO HMS 1.550-8,0
OPTIONAL WITH HYDRAULIC SUPPORT FOR LARGE RADIUS

OPTIONAL EQUIPMENT

- » NC control
- » hydraulic support for large radius
- » hydraulic side support
- » hydraulic tube ejection
- » ground and polished rolls

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

E-4RBM PRO HMS - MODELS

TECHNICAL DATA

Description	E-4RBM PRO HMS 650-3,5	E-4RBM PRO HMS 1.050-5,0	E-4RBM PRO HMS 1.270-3,0
roller length	max. 650 mm	max. 1.050 mm	max. 1.270 mm
sheet thickness (St 37)	max. 3,5 mm	max. 5,0 mm	max. 3,0 mm
diameter of the central rollers	80 mm	130 mm	100 mm
diameter of the side rollers	80 mm	130 mm	90 mm
motor power	400 V / 50 Hz / 1,9 kW	400 V / 50 Hz / 3,3 kW	400 V / 50 Hz / 1,9 kW
roller speed	5 m/min	5 m/min	6,5 m/min
dimensions (L x D x H)	1.950 x 950 x 960 mm	2.770 x 1.150 x 1.100 mm	2.570 x 950 x 960 mm
weight	950 kg	2.050 kg	1.350 kg
	E-4RBM PRO HMS 650-3,5	E-4RBM PRO HMS 1.050-5,0	E-4RBM PRO HMS 1.270-3,0
EAN	4260364296594	4260364296600	4260364296617
Item No.	359 0635	359 1050	359 1230

Description	E-4RBM PRO HMS 1.270-7,0	E-4RBM PRO HMS 1.270-10,0	E-4RBM PRO HMS 1.550-4,5
roller length	max. 1.270 mm	max. 1.270 mm	max. 1.550 mm
sheet thickness (St 37)	max. 7,0 mm	max. 10,0 mm	max. 4,5 mm
diameter of the central rollers	150 mm	200 mm	150 mm
diameter of the side rollers	130 mm	180 mm	130 mm
motor power	400 V / 50 Hz / 3,3 kW	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 2,2 kW
roller speed	6 m/min	6 m/min	6 m/min
dimensions (L x D x H)	3.020 x 1.150 x 1.110 mm	3.070 x 1.350 x 1.290 mm	3.300 x 1.150 x 1.110 mm
weight	2.155 kg	3.000 kg	2.370 kg
	E-4RBM PRO HMS 1.270-7,0	E-4RBM PRO HMS 1.270-10,0	E-4RBM PRO HMS 1.550-4,5
EAN	4260364296624	4260364299458	4260364299465
Item No.	359 1270	359 1210	359 1545

The machines are also available for other sheet thicknesses.

E-4RBM PRO HMS - MODELS

HYDRAULIC 4-ROLLER-ROUND BENDING MACHINE

OPTIONAL SEMI- OR FULLY AUTOMATIC FOR SERIAL PRODUCTION



PIC.: E-4RBM PRO HMS
FULLY AUTOMATIC WITH ACCESSORIES

4-Roller-Round Bending Machine

E-4RBM PRO HMS - MODELS

Hydraulic 4-roller-round bending machine for processing light and medium plate thickness, also for aluminum and stainless steel.

- » heavy and robust, welded construction
- » drive top roller via electric motor and planetary gear
- » drive clamping roller via cardan joint system
- » overload protection
- » linear infeed of the clamping and side rollers by means of hydraulic cylinder
- » rolls induction hardened
- » triple digital display of the roller position
- » conical bending device
- » hydraulic folding bearing for removal of finished parts
- » mobile control panel

When ordering please name the type of material which will be used

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

OPTIONAL EQUIPMENT

- » teach-in-control
- » easy to operate 4-axis NC-control, expandable to 7 axes
- » teach-In-Input
- » 16 languages
- » up to 1.000 programs can be stored via USB
- » stepless adjustment of the bending speed
- » double speed for automation
- » grounded and polished rollers
- » overhead crane for large diameters
- » hydraulic lateral supports for large diameter
- » material feeding system with vacuum lifter
- » automatic bending via NC control
- » ejector system

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

E-4RBM PRO HMS - MODELS

TECHNICAL DATA

Description	E-4RBM PRO HMS 1.550-12,0	E-4RBM PRO HMS 2.050-6,0	E-4RBM PRO HMS 2.050-10,0
roller length	max. 1.550 mm	max. 2.050 mm	max. 2.050 mm
sheet thickness (St 37)	max. 12,0 mm	max. 6,0 mm	max. 10,0 mm
diameter of upper/lower rollers	250 mm	180 mm	250 mm
diameter of the side rollers	200 mm	150 mm	200 mm
motor power	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 7,5 kW
roller speed	5 m/min	5 m/min	5 m/min
dimensions (L x D x H)	3.500 x 1.500 x 1.370 mm	3.850 x 1.350 x 1.290 mm	4.000 x 1.500 x 1.370 mm
weight	4.650 kg	3.300 kg	5.350 kg
E-4RBM PRO HMS 1.550-12,0			
EAN	4260364299472	4260364299489	4260364299496
Item No.	359 1512	359 2060	359 2010

Description	E-4RBM PRO HMS 2.550-4,0	E-4RBM PRO HMS 2.550-8,0	E-4RBM PRO HMS 3.100-7,0
roller length	max. 2.550 mm	max. 2.550 mm	max. 3.100 mm
sheet thickness (St 37)	max. 4,0 mm	max. 8,0 mm	max. 7,0 mm
diameter of upper/lower rollers	180 mm	250 mm	250 mm
diameter of the side rollers	150 mm	200 mm	200 mm
motor power	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW
roller speed	5 m/min	5 m/min	5 m/min
dimensions (L x D x H)	4.350 x 1.350 x 1.290 mm	4.500 x 1.500 x 1.370 mm	5.000 x 1.500 x 1.370 mm
weight	3.700 kg	6.100 kg	6.800 kg
E-4RBM PRO HMS 2.550-4,0			
EAN	4260364299502	4260364299519	4260364299526
Item No.	359 2540	359 2580	359 3170

The machines are also available for other sheet thicknesses.

PW 10 M / PW 30 / PW 30 HV

PROFILE ROLLER MACHINES



PIC.: PW 10 M



PIC.: PW 30



PIC.: PW 30 HV

Profile Roller Machine

PW 10 M / PW 30 / PW 30 HV

- » solid frame made of cast iron
- » drive over hand crank
- » cog wheel milled of solid
- » hardened and ground rollers
- » arbors made of special steel, hardened and ground
- » millimeter scale for adjusting the pressure rollers
- » polished and double-based drive shafts that rotate in opposite tapered roller bearings
- » central block in one piece sliding on hardened slide shoes
- » the sliding blocks are housed on the machine frame
- » longitudinal workpiece storage and alignment devices
- » mechanical service, 2 slaving rollers

Description	PW 10 M	PW 30	PW 30 HV
axis diameter	30 mm	30 mm	30 mm
roller diameter	100 mm	118 - 148 mm	118 - 148 mm
head foldable for horizontal use	no	no	yes
motor power	-	400 V / 50 Hz / 1,1 kW	400 V / 50 Hz / 0,75 kW
dimensions (L x D x H)	-	4 U/min	4 U/min
weight	580 x 550 x 1.470 mm	620 x 480 x 1.360 mm	1.000 x 620 x 1.360 mm
Gewicht	158 kg	213 kg	224 kg
	PW 10 M	PW 30	PW 30 HV
EAN	4260364292053	4260364292060	4260364292077
Item No.	225 0030	225 1030	225 1530

PW 40 HV / PW 50 PROFILE ROLLER MACHINES



PIC.: PW 40 HV



PIC.: PW 50

PW 40 HV / PW 50

- » heavy version
- » millimetre scale for setting the printing rollers
- » width for round steel, square steel and tubes up to 30mm stepless adjustable (with standard roller set supplied)
- » grounded and double-supported drive shafts, which rotate in opposite taper bearings
- » central block sliding on hardened sliding shoes from one piece
- » the hardened and grounded glide shoes are accommodated on the machine frame
- » longitudinal fixtures for workpiece deposit and alignment
- » mechanical infeed, 2 driven rollers

Description	PW 40 HV	PW 50
axis diameter	40 mm	50 mm
roller diameter	126 - 168 mm	190 mm
head foldable for horizontal use	yes	no
motor power	400 V / 50 Hz / 1,5 kW	400 V / 50 Hz / 2,2 kW
dimensions (L x D x H)	1.560 x 1.240 x 860 mm	840 x 750 x 1.450 mm
weight	425 kg	450 kg
	PW 40 HV	PW 50
EAN	4260364292176	4260364292268
Item No.	225 1540	225 1050

ROLLER SETS











- » roller sets for specific dimensions on page 194
- » optional sets of plastic rollers on request

PW 30 / PW 30 HV


STANDARD ROLLER SETS

Profile	Dimensions in mm	min ϕ in mm	Roller-Set	Item No.
	40 x 40 x 3	1.000	Standard	scope of delivery
	50 x 15	350	Standard	scope of delivery
	50 x 30 x 3	1.200	Standard	scope of delivery



OPTIONAL STEEL ROLLER SETS







Profile	Dimensions in mm	min ϕ in mm	EAN	Item No.
	ϕ 15 ϕ 20 ϕ 25 ϕ 30	600	4260364292084	550 1010
	40 x 40 x 2 40 x 40 x 3 40 x 40 x 4 40 x 40 x 5	400	4260364292091	550 1020
	40 x 40 x 2 40 x 40 x 3 40 x 40 x 4 40 x 40 x 5	400	4260364292107	550 1030
	50 x 50 x 2 50 x 50 x 3 50 x 50 x 4 50 x 50 x 5	400	4260364292114	550 1040
	50 x 25 x 2 50 x 25 x 3 50 x 25 x 4 50 x 25 x 5	300	4260364292121	550 1050
	50 x 25 x 2 50 x 25 x 3 50 x 25 x 4 50 x 25 x 5	400	4260364292138	550 1060
	50 x 25 x 2 50 x 25 x 3 50 x 25 x 4 50 x 25 x 5	300	4260364292145	550 1070
	ϕ 35 x 2 ϕ 40 x 2 ϕ 45 x 2 ϕ 50 x 2 ϕ 55 x 2 ϕ 60 x 2	1.000	4260364292152	550 1080
plastic-roller sets: metric	up to 58 mm	up to 58 mm	4260364292169	550 1090
roller sets in inch on request				

STANDARD ROLLER SETS

Profile	Dimensions in mm	min ϕ in mm	Roller-Set	Item No.
	30 x 30 (stepless adjustable)	800	Standard	scope of delivery
	60 x 20	600	Standard	scope of delivery

OPTIONAL PLASTIC ROLLER SETS

Profile	Dimensions in mm	min ϕ in mm	Roller-Set	EAN	Item No.
	ϕ 35 ϕ 40 ϕ 45 ϕ 50	ab 500 (at ϕ 30 mm)	PW 40 Set 1 plastic rollers	4260364292183	550 2010
	40 x 40 x 2 40 x 40 x 3 40 x 40 x 4 40 x 40 x 5	700	PW 40 Set 2 plastic rollers	4260364292190	550 2020









Profile	Dimensions in mm	min ϕ in mm	Roller-Set	EAN	Item No.
	40 x 40 x 2 40 x 40 x 3 40 x 40 x 4 40 x 40 x 5	700	PW 40 Set 3 plastic rollers	4260364292206	550 2030
	50 x 50 x 2 50 x 50 x 3 50 x 50 x 4 50 x 50 x 5	700	PW 40 Set 4 plastic rollers	4260364292213	550 2040
	50 x 25 x 2 50 x 25 x 3 50 x 25 x 4 50 x 25 x 5	700	PW 40 Set 5 plastic rollers	4260364292220	550 2050
	50 x 25 x 2 50 x 25 x 3 50 x 25 x 4 50 x 25 x 5	700	PW 40 Set 6 plastic rollers	4260364292237	550 2060
	50 x 25 x 2 50 x 25 x 3 50 x 25 x 4 50 x 25 x 5	700	PW 40 Set 7 plastic rollers	4260364292244	550 2070
	ϕ 35 x 2 ϕ 40 x 2 ϕ 45 x 2 ϕ 50 x 2 ϕ 55 x 2 ϕ 60 x 2	from 600 (at ϕ 35 mm)	PW 40 Set 8 plastic rollers	4260364292251	550 2080

roller-sets for inch on request.

STANDARD ROLLER SETS

Profile	Dimensions in mm	min ϕ in mm	Roller-Set	Item No.
	35 x 35 20 x 20	600 780	Standard	scope of delivery
	100 x 15 60 x 10	920 1150	Standard	scope of delivery
	50 x 10 40 x 10	500 650	Standard	scope of delivery

OPTIONAL STEEL ROLLER SETS

Profile	Dimensions in mm	min ϕ in mm	Roller-Set
	ϕ 35 ϕ 30	600 650	PW 50 Set 1 steel rollers
	60 x 5 50 x 5	500 600	PW 50 Set 2 steel rollers
	60 x 5 50 x 5	700 700	PW 50 Set 3 steel rollers
	60 x 7 50 x 5	750 500	PW 50 Set 4 steel rollers
	60 x 7 50 x 5	750 700	PW 50 Set 5 steel rollers
	80 x 45 x 8 85 x 40 x 5	600 550	PW 50 Set 6 steel rollers
	80 x 45 x 6 85 x 40 x 5	650 550	PW 50 Set 7 steel rollers
	ϕ 30 x 2 ϕ 55 x 2 ϕ 35 x 2 ϕ 60 x 2 ϕ 40 x 2 ϕ 65 x 2 ϕ 45 x 2 ϕ 70 x 2 ϕ 50 x 2	600	PW 50 Set 8 steel rollers
plastic-roller sets: metric	up to 58 mm	up to 58 mm	
roller sets in inch on request			

E-PW 31 F / E-PW 35 F

PROFILE ROLLER MACHINES

PREMIUM-LINE

NEW



PIC.: E-PW 31 F



PIC.: E-PW 35 F

Profile Roller Machine

E-PW 31 F / E-PW 35 F WITH FOOT CONTROL

- » heavy and solid construction
- » 2 powered rolls
- » horizontally and vertically applicable
(E-PW 31 F only vertically)
- » sideways mangle rolls, stepless adjustable for spiral bending
- » special hardened bending rolls
- » hardened and ground shaft of special steel
- » foot operating

Description	E-PW 31 F	E-PW 35 F
axis diameter	30 mm	50 mm
upper rolls - diameter	148 mm	155 mm
lower rolls - diameter	118 mm	155 mm
horizontal working	-	yes
speed	2 - 4 m/min	4,5 m/min
motor power	400 V / 50 Hz / 0,85 kW	400 V / 50 Hz / 1,5 kW
dimensions (L x D x H)	800 x 600 x 1.450 mm	750 x 1.000 x 1.400 mm
weight	220 kg	400 kg
	E-PW 31 F	E-PW 35 F
EAN	4260364296631	4260364292275
Item No.	351 0031	351 0035

E-PW 40 H / E-PW 50 H / E-PW 60 H

HYDRAULIC PROFILE ROLLER MACHINES

PREMIUM-LINE



PIC.: E-PW 40 H

PIC.: E-PW 50 H

PIC.: E-PW 60 H

E-PW 40 H / E-PW 50 H / E-PW 60 H WITH FOOT CONTROL

- » heavy construction
- » hydraulic adjustment of the upper roll
- » 3 driven rolls
- » horizontal and vertical bending
(machine inclinable)
- » hardened standard rolls
- » shafts are hardened and ground
- » stepless adjustable lateral rolls for spiral bending
- » brake motor equipped
- » control panel with foot control

The model E-PW 40 H is particularly suitable for smaller diameters and has 2 additional guide rollers.

Description	E-PW 40 H	E-PW 50 H	E-PW 60 H
axis diameter	40 mm	50 mm	60 mm
upper rolls - diameter	137 mm	152 mm	215 mm
lower rolls - diameter	137 mm	162 mm	215 mm
horizontal working	yes	yes	yes
speed	7 m/min	4,5 m/min	4 m/min
motor power	400 V / 50 Hz / 1,1 kW	400 V / 50 Hz / 1,1 kW	400 V / 50 Hz / 1,5 kW
dimensions (W x D x H)	1.050 x 530 x 1.250 mm	810 x 950 x 1.500 mm	1.000 x 1.400 x 1.650 mm
weight	350 kg	500 kg	950 kg
	E-PW 40 H	E-PW 50 H	E-PW 60 H
EAN	4260364298420	4260364292282	4260364292299
Item No.	351 0040	351 0050	351 0060

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

E-PW 70 H

HYDRAULIC PROFILE ROLLER MACHINE

NEW

PREMIUM-LINE



Profile Roller Machine

E-PW 70 H WITH FOOT CONTROL

A machine with a special arrangement of the bottom rollers. These can be moved horizontally. Due to the variable position of the lower rollers, 180-degree bends can also be inserted into long strips or pipes, e.g. cooling pipes, with little effort. The top roll can be used to calibrate and reroll previously bent parts just like a conventional workshop press.

- » welded steel construction frame
- » 3 driven rollers
- » top roller with hydraulic feed
- » bottom rollers horizontally adjustable
- » hardened and grounded shafts made of high strength special steel
- » horizontal and vertical operation (machine can be folded down)
- » mobile control panel
- » adjustable lateral guide rollers

Special accessories:
Rollers for tubes and profiles,
NC-control

Description	E-PW 70 H
upper axis diameter	60 mm
lower axis diameter	50 mm
roller diameter	180 mm
horizontal working	yes
speed	5 m/min
motor power	400 V / 50 Hz / 3 kW
dimensions (W x D x H)	850 x 1.200 x 1.200 mm
weight	1.000 kg
	E-PW 70 H
EAN	4260364297805
Item No.	351 0070

E-PW 65 H / E-PW 80 H

HYDRAULIC PROFILE ROLLER MACHINES

PREMIUM-LINE



PIC.: E-PW 65 H



PIC.: E-PW 80 H

E-PW 65 H / E-PW 80 H

- » steel welded frame construction
- » 3 driven rolls
- » 2-level digital display (lower rolls)
- » hardened and ground shaft made of high tensile special steel
- » horizontal and vertical bending (machine inclinable)
- » hardened roller sets as standard
- » mobile control panel
- » brake motor equipped
- » side leveling rollers, adjustable for spiral bending

Description	E-PW 65 H	E-PW 80 H
upper axis diameter	60 mm	80 mm
lower axis diameter	50 mm	70 mm
roller diameter	180 mm	245 mm
horizontal working	yes	yes
speed	5 m/min	6 m/min
motor power	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 4 kW
dimensions (W x D x H)	850 x 1.200 x 1.200 mm	1.000 x 1.450 x 1.400 mm
weight	1.000 kg	1.700 kg
	E-PW 65 H	E-PW 80 H
EAN	4260364292305	4260364292312
Item No.	351 0065	351 0080

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

PREMIUM-LINE

E-PW 100 H / E-PW 120 H

HYDRAULIC PROFILE ROLLER MACHINES



PIC.: E-PW 100 H



PIC.: E-PW 120 H

Profile Roller Machine

E-PW 100 H / E-PW 120 H

- » steel welded frame construction
- » 3 driven rolls
- » 2-level digital display (lower rolls)
- » hardened and ground shafts made of high tensile special steel
- » horizontal and vertical bending (machine inclinable)
- » hardened roller sets as standard
- » mobile control panel
- » stepless adjustable lateral rolls for spiral bending

Description	E-PW 100 H	E-PW 120 H
upper axis diameter	100 mm	120 mm
lower axis diameter	-	-
roller diameter	315 mm	390 mm
horizontal working	yes	yes
speed	7 m/min	2 - 7,5 m/min
motor power	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 15 kW
dimensions (W x D x H)	1.450 x 2.000 x 1.700 mm	1.650 x 2.000 x 1.900 mm
weight	3.650 kg	4.770 kg
	E-PW 100 H	E-PW 120 H
EAN	4260364292329	4260364294491
Item No.	351 0100	351 0120

OPTIONAL EQUIPMENT

- » tube and profile roller kits
- » 3-axis hydraulic lateral guide rolls
- » stepless driving speed adjustment

E-PW 160 H / E-PW 180 H

HYDRAULIC PROFILE ROLLER MACHINES

NEW

PREMIUM-LINE



PIC.: E-PW 180 H

E-PW 160 H / E-PW 180 H

- » steel welded frame construction
- » 3 driven rolls
- » 2-level digital display (lower rolls)
- » hardened and ground shafts made of high tensile special steel
- » horizontal and vertical bending (machine inclinable)
- » hardened roller sets as standard
- » mobile control panel
- » brake motor equipped
- » stepless adjustable lateral rolls for spiral bending

OPTIONAL EQUIPMENT

- » tube and profile roller kits
- » stepless driving speed adjustment

Description	E-PW 160 H	E-PW 180 H
upper axis diameter	160 mm	180 mm
lower axis diameter	160 mm	180 mm
roller diameter	500 mm	580 mm
horizontal working	yes	yes
speed	3 - 6 m/min	3 - 6 m/min
motor power	400 V / 50 Hz / 22 kW	400 V / 50 Hz / 30 kW
dimensions (W x D x H)	2.350 x 2.500 x 2.600 mm	2.400 x 2.600 x 3.000 mm
weight	10.700 kg	12.000 kg
	E-PW 160 H	E-PW 180 H
EAN	4260364294507	4260364298444
Item No.	351 0160	351 0180

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

E-PW 200 H

HYDRAULIC PROFILE ROLLER MACHINES

PREMIUM-LINE



PIC.: E-PW 200 H

E-PW 200 H

- » steel welded frame construction
- » 3 driven rolls
- » 2-level digital display (lower rolls)
- » hardened and ground shafts made of high tensile special steel
- » hardened roller sets as standard
- » mobile control panel
- » stepless adjustable lateral rolls for spiral bending

Description	E-PW 200 H
upper axis diameter	200 mm
roller diameter	650 mm
horizontal working	yes
speed	2 - 5 m/min
motor power	400 V / 50 Hz / 30 kW
dimensions (L x D x H)	3.400 x 2.400 x 2.300 mm
weight	15.000 kg
E-PW 200 H	
EAN	4260364294514
Item No.	351 0200

OPTIONAL EQUIPMENT

- » tube and profile roller kits
- » stepless driving speed adjustment

E-PW 240 H / E-PW 360 H

HYDRAULIC PROFILE ROLLER MACHINES

PREMIUM-LINE



PIC.: E-PW 240 H

E-PW 240 H / E-PW 360 H

- » steel welded frame construction
- » 3 hydraulically driven rolls by planetary gear
- » 2-level digital display (lower rolls)
- » hardened roller sets as standard
- » hardened and ground shafts
- » mobile control panel

OPTIONAL EQUIPMENT

- » tube and profile roller kits
- » stepless driving speed adjustment

Description	E-PW 240 H	E-PW 360 H
upper axis diameter	240 mm	360 mm
roller diameter	700 mm	850 mm
speed	2 - 4 m/min	2 - 4 m/min
motor power	400 V / 50 Hz / 44 kW	400 V / 50 Hz / 77 kW
dimensions (L x D x H)	4.200 x 2.950 x 3.200 mm	4.750 x 3.300 x 3.400 mm
weight	28.500 kg	55.000 kg
	E-PW 240 H	E-PW 360 H
EAN	4260364296648	4260364296655
Item No.	351 1240	351 1360

More sizes are available on request.

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

E-PW 35 F / E-PW 50 H / E-PW 60 H

ROLLER SETS

STANDARD ROLLER SETS

Profile	E-PW 35 F Dimensions	E-PW 35 F min ø in mm	E-PW 50 H Dimensions	E-PW 50 H min ø in mm	E-PW 60 H Dimensions	E-PW 60 H min ø in mm
	60 x 10 40 x 10	500 400	60 x 10 20 x 10	600 300	80 x 20 40 x 10	1.200 400
	100 x 15 60 x 10	450 350	100 x 15 50 x 10	600 300	120 x 25 50 x 10	600 400
	35 x 35 20 x 20	900 300	35 x 35 15 x 15	600 300	50 x 50 20 x 20	800 400
	60 x 7 50 x 6	700 500	60 x 7 30 x 4	800 500	80 x 9 40 x 5	1.000 400
	60 x 7 50 x 6	700 500	50 x 6 30 x 4	800 500	80 x 9 40 x 5	1.200 500
	60 x 7 50 x 6	700 500	60 x 7 30 x 4	800 500	80 x 9 40 x 5	1.000 400
	UPN 80 UPN 60	1.000 700	UPN 80 UPN 30	800 400	UPN 120 UPN 60	800 500
	UPN 80 UPN 30	1.200 800	UPN 80 UPN 30	1.200 600	UPN 120 UPN 60	1.200 600

OPTIONAL ROLLER SETS MADE OF STEEL

Profile	E-PW 35 F Dimensions	E-PW 35 F min ø in mm	E-PW 50 H Dimensions	E-PW 50 H min ø in mm	E-PW 60 H Dimensions	E-PW 60 H min ø in mm
	ø 35 ø 30	600 400	ø 35 ø 20	600 300	ø 50 ø 20	800 400
	ø 70 x 2 ø 30 x 2	1.000 500	ø 70 x 2 ø 25 x 1,5	1.200 400	ø 100 x 2 ø 60 x 2	1.600 500
	2" x 2,9 1" x 2,3	1.000 350	2" x 2,9 1/2" x 2,3	1.000 300	3" x 3,2 1" x 2,6	1.600 500
	70 x 30 x 2 50 x 40 x 3	1.200 1.200	70 x 30 x 3 30 x 15 x 2	1.500 400	80 x 40 x 3 40 x 20 x 2	1.400 500
	50 x 3 40 x 3	1.700 600	50 x 3 20 x 2	1.600 400	70 x 3 40 x 2	1.600 500
	50 x 50 x 5 40 x 40 x 5	1.000 600	50 x 50 x 6 30 x 30 x 3	600 400	70 x 70 x 7 40 x 40 x 5	1.000 500
	50 x 50 x 6 30 x 30 x 3	1.000 500	50 x 50 x 6 30 x 30 x 3	900 600	70 x 70 x 7 40 x 40 x 5	1.200 600

PLASTIC ROLLS FOR BENDING STAINLESS STEEL ARE AVAILABLE ON REQUEST.

E-PW 65 H / E-PW 80 H / E-PW 100 H ROLLER SETS

STANDARD ROLLER SETS

Profile	E-PW 65 H Dimensions	E-PW 65 H min ø in mm	E-PW 80 H Dimensions	E-PW 80 H min ø in mm	E-PW 100 H Dimensions	E-PW 100 H min ø in mm
	60 x 10 20 x 5	500 250	100 x 20 80 x 20 30 x 10	2.000 800 300	100 x 20 30 x 10	800 400
	80 x 20 50 x 5	500 250	125 x 25 60 x 5	600 300	200 x 30 160 x 35 80 x 5	1.200 800 400
	32 x 32 12 x 12	400 250	45 x 45 15 x 15	500 380	60 x 60 15 x 15	750 400
	60 x 7 20 x 3	550 250	80 x 9 25 x 3,5	800 450	90 x 10 30 x 4	1.000 400
	50 x 6 20 x 3	500 250	UPN 140 UPN 120 UPN 100	1.600 900 800	UPN 180 UPN 30 UPN 180	900 400 1.000
	60 x 70 20 x 3	500 250	80 x 9 30 x 4	800 300	100 x 11 30 x 4	1.000 400
	UPN 80 UPN 30	600 250	80 x 9 30 x 4	800 280	100 x 11 30 x 4	1.000 400
	UPN 65 UPN 30	600 250	UPN 140 UPN 120 UPN 100	1.600 1.000 800	UPN 30 IPN 180 IPN 80	1.000 1.000 400

OPTIONAL ROLLER SETS MADE OF STEEL








Profile	E-PW 65 H Dimensions	E-PW 65 H min ø in mm	E-PW 80 H Dimensions	E-PW 80 H min ø in mm	E-PW 100 H Dimensions	E-PW 100 H min ø in mm
	ø 35 ø 10	350 250	ø 50 ø 15	500 380	ø 75 ø 15	800 450
	ø 60 x 2 ø 15 x 1,5	600 200	ø 100 x 2,5 ø 15 x 1	1.200 380	ø 125 x 2,5 ø 15 x 1	1.400 450
	2" x 3,91 1/2" x 2,77	400 200	3" x 5,48 1/2" x 2,77	800 380	4" x 4,5 1/2" x 2,77	2.500 450
	50 x 25 x 3 20 x 15 x 2	450 250	80 x 25 x 3 25 x 15 x 2	800 350	100 x 40 x 4 25 x 15 x 2	1.300 450
	45 x 3 20 x 2	600 300	70 x 3 25 x 2	1.300 350	80 x 5 25 x 2	1.500 450
	60 x 60 x 6 30 x 30 x 4	650 350	80 x 80 x 8 30 x 30 x 3	800 400	100 x 100 x 12 40 x 40 x 4	1.000 700
	50 x 50 x 5 30 x 30 x 4	550 350	70 x 70 x 7 30 x 30 x 3	700 450	100 x 100 x 10 40 x 40 x 4	1.500 550

PLASTIC ROLLS FOR BENDING STAINLESS STEEL ARE AVAILABLE ON REQUEST.

E-PW 120 H / E-PW 160 H / E-PW 200 H

ROLLER SETS








STANDARD ROLLER SETS

Profile	E-PW 120 H Dimensions	E-PW 120 H min ø in mm	E-PW 160 H Dimensions	E-PW 160 H min ø in mm	E-PW 200 H Dimensions	E-PW 200 H min ø in mm
	125 x 25 30 x 10	1.200 500	150 x 40 50 x 10	2.500 700	200 x 50	3.500
	200 x 50 100 x 10	1.000 500	280 x 50 120 x 15	1.500 700	350 x 80	2.500
	65 x 65 20 x 20	750 500	90 x 90 30 x 30	1.500 700	120 x 120	3.000
	100 x 11 30 x 4	800 500	150 x 15	2.000	200 x 20	3.500
	100 x 11 30 x 4	1.000 500	UPN 300	2.000	200 x 20	3.500
	UPN 220 UPN 180 UPN 40	1.000 800 500	150 x 15	2.000	UPN 380	3.000
	UPN 220 UPN 180 UPN 40	1.200 900 600	UPN 300	2.500	UPN 300	2.500

E-PW 240 H / E-PW 360 H

ROLLER SETS

STANDARD ROLLER SETS

Profile	E-PW 240 H Dimensions	E-PW 240 H min ø in mm	E-PW 360 H Dimensions	E-PW 360 H min ø in mm
	200 x 70	3.800	300 x 100	3.000
	380 x 80	2.500	550 x 120	3.000
	130 x 130	2.500	200 x 200	3.000
	200 x 28	3.000	250 x 25	4.000
	200 x 20	3.500	250 x 25	5.000
	UPN 450	3.000	UPN 600	4.000
	UPN 450	3.500	UPN 600	4.500

For all machines of the E-PW series special rollers can be manufactured optionally.

E-4PW 40 H / E-4PW 70 H E-4PW 90 H / E-4PW 110 H HYDRAULIC PROFILE ROLLER MACHINES

NEW

PREMIUM-LINE



Description	E-4PW 70 H	E-4PW 90 H	E-4PW 110 H
axis diameter	70 mm	90 mm	110 mm
roller diameter	200 mm	260 mm	320 mm
horizontal working	yes	yes	yes
speed	8 m/min	6,37 m/min	4,98 m/min
motor power	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 7,5 kW
dimensions (L x D x H)	1.200 x 1.100 x 800 mm	1.700 x 1.450 x 1.200 mm	2.000 x 1.700 x 1.250 mm
weight	1.400 kg	2.800 kg	4.500 kg
	E-4PW 70 H	E-4PW 90 H	E-4PW 110 H
EAN	4260364296662	4260364296679	4260364296686
Item No.	351 2070	351 2090	351 2110

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING








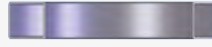







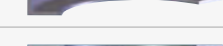
OTHER MACHINES

ACCESSORIES

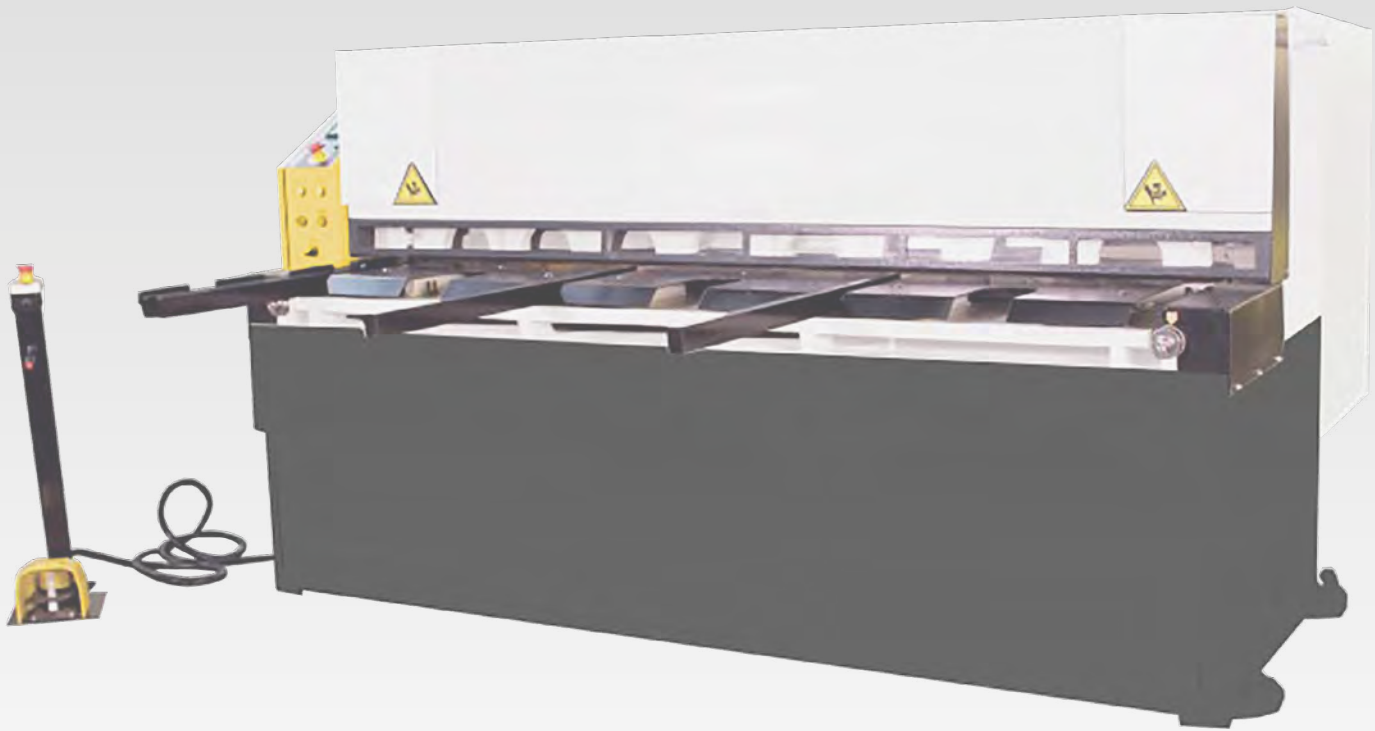
E-4PW 70 H / E-4PW 90 H / E-4PW 110 H

ROLLER SETS

Roller Sets

Profil Typ	E-4PW 70 H		E-4PW 90 H		E-4PW 110 H		
	Size	Min Ø	Size	Min Ø	Size	Min Ø	
	60 x 10	500	100 x 20	2.000	100 x 20	800	Standard
	20 x 5	250	80 x 20 30 x 10	800 300	30 x 10	400	
	80 x 20	500	125 x 25	600	200 x 30	1.200	Standard
	50 x 5	250	60 x 5	300	160 x 35 80 x 5	800 400	
	32 x 32	400	45 x 45	500	60 x 60	750	Standard
	12 x 12	250	15 x 15	380	15 x 15	400	
	Ø 35	350	Ø 50	500	Ø 75	800	Optional
	Ø 10	250	Ø 15	380	Ø 15	450	
	Ø 60 x 2	600	Ø 100 x 2,5	1.200	Ø 120 x 2,5	1.400	Optional
	Ø 15 x 1,5	200	Ø 15 x 1	380	Ø 15 x 1	450	
	Ø 2" x 3,91	400	Ø 3" x 5,48	800	Ø 4" x 6,02	1.000	Optional
	Ø 1/2" x 2,77	200	Ø 1/2" x 2,77	380	Ø 1/2" x 2,77	450	
	50 x 25 x 3	450	80 x 25 x 3	800	100 x 40 x 4	1.300	Optional
	20 x 15 x 2	250	25 x 15 x 2	350	25 x 15 x 2	450	
	45 x 3	600	70 x 3	1.300	80 x 5	1.500	Optional
	20 x 2	300	25 x 2	400	25 x 2	450	
	60 x 60 x 6	650	80 x 80 x 8	800	100 x 100 x 12	1.000	Optional
	30 x 30 x 4	350	30 x 30 x 3	450	40 x 40 x 4	700	
	50 x 50 x 5	550	70 x 70 x 7	700	100 x 100 x 10	1.000	Optional
	30 x 30 x 4	350	30 x 30 x 3	460	40 x 40 x 4	550	
	60 x 7	550	80 x 9	800	100 x 11	1.000	Standard
	20 x 3	250	25 x 3,5	280	30 x 4	400	
	50 x 6	500	70 x 8	800	90 x 10	1.000	Standard
	20 x 3	250	25 x 3,5	280	30 x 4	400	
	60 x 70	500	80 x 9	800	100 x 11	1.000	Optional
	20 x 3	250	30 x 4	300	30 x 4	400	
	UPN 80	600	UPN 140	1.600	UPN 180	900	Standard
	UPN 30	250	UPN 120 UPN 100	900 600	UPN 30	400	
	UPN 65	600	UPN 140	1.600	UPN 180	1.000	Standard
	UPN 30	250	UPN 120 UPN 100	1.000 800	UPN 30	400	
	IPN 80	600	IPN 120	600	IPN 180	1.000	Optional
			IPN 80	400	IPN 80	400	

PLASTIC ROLLS FOR BENDING STAINLESS STEEL ARE AVAILABLE ON REQUEST.



Cutting Machines

EK 1 / EK 2 / EK 3 / EK 8-E NOTCHING MACHINES FOR PIPES



PIC.: EK 2

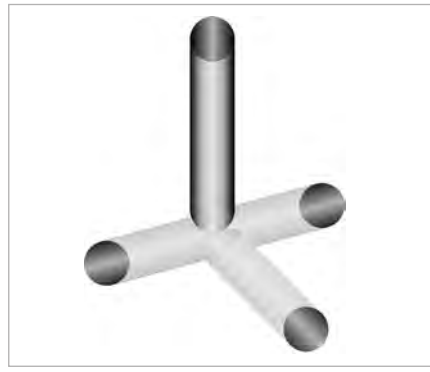


PIC.: EK 8-E

EK 1 / EK 2 / EK 3 / EK 8-E FÜR VERSCHIEDENE DURCHMESSER

- » from mild steel to high grade steel and other pipes to 3 mm wall thickness
- » different rolls dia in one unit
- » high productiveness with low investment
- » clear edges, so there is no rework necessary
- » low force required due to eccentric shaft (EK 1 - 3)
- » motorized notching cut (nur bei Modell EK 8-E)

EXAMPLE OF USE



Description	EK 1	EK 2	EK 3	EK 8-E
outer diameter of the tube	1/4", 3/8", 1/2"	3/4", 1", 1-1/4"	1-1/2", 2"	1/4" bis 2"
max. wall thickness	3 mm	3 mm	3 mm	3 mm
weight	6 kg	8 kg	15 kg	98 kg
	EK 1	EK 2	EK 3	EK 8-E
EAN	4260364292367	4260364292374	4260364292381	426036429736
Item No.	225 1001	225 1002	225 1003	325 1008

AM 4T / AM 4T-3,0 / AM 4PT

MANUAL NOTCHING MACHINE



AM 4T / AM 4T-3,0 / AM 4PT WITH MAX. 4 TONS PISTON PRESSURE

- » solid punching machine with high pressure
- » free of burrs cut by precision cutting edge from high - quality steel
- » universally adjustable stop for the serial production
- » for cutting of corners, forms etc.
- » body is of steel construction
- » no deflection of the cutting edge is possible

Model AM 4 PT (floor model) without hand lever,
operation via foot pedal

PIC.: AM 4T

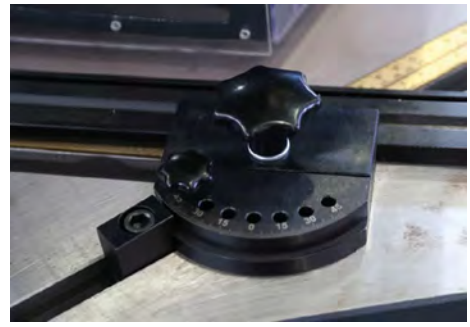
Description	AM 4T	AM 4T - 3,0	AM 4PT
max. sheet thickness	1,5 mm	3,0 mm	1,5 mm
max. stamp length	152 x 152 mm	100 x 100 mm	80 x 80 mm
cutting angle	90°	90°	90°
cutting pressure	20 mm	30 mm	25 mm
table size	460 x 310 mm	460 x 300 mm	310 x 310 mm
dimensions (L x D x H)	530 x 520 x 580 mm	460 x 450 x 760 mm	550 x 400 x 1.200 mm
weight	75 kg	105 kg	90 kg
	AM 4T	AM 4T - 3,0	AM 4PT
EAN	4260364292398	4260364299540	4260364298451
Item No.	225 1040	225 3040	225 2040

E-HAM 6 V
HYDRAULIC NOTCHING MACHINE

PREMIUM-LINE

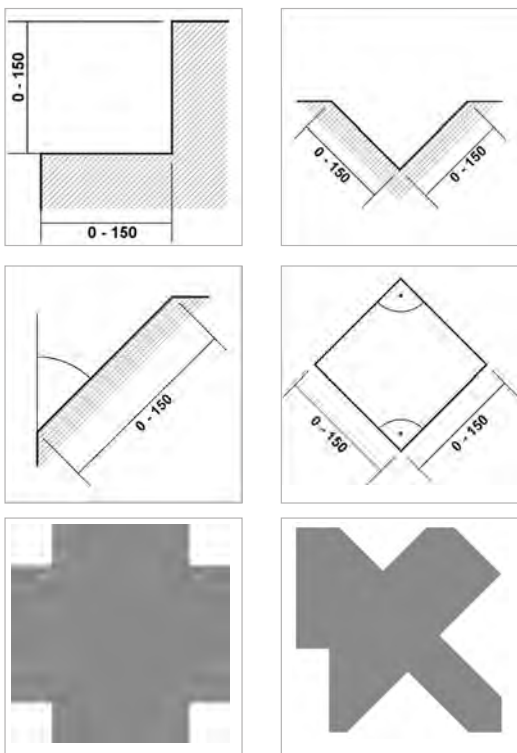


PIC.: E-HAM 6 V



OPTIONAL
» rear hole punching unit

EXAMPLE OF USE



Description	E-HAM 6 V
sheet thickness - ST 37	6 mm (60 - 140°) 4 mm (30 - 59°)
sheet thickness - stainless steel	3 mm (60 - 140°) 2,5 mm (30 - 59°)
table size	1.150 x 610 mm
cutting angle	30 - 140°
max. cutting operations	30 per min.
max. punching length	200 x 200 mm
oil tank	35 Liter
cutting pressure	200 bar
motor power	4 kW
dimensions (L x D x H)	1.150 x 1.100 x 1.400 mm
weight	1.150 kg
E-HAM 6 V	
EAN	4260364296693
Item No.	353 1006

Under the designation E-HAM 6 VS, the machine is also available with a rear punching unit on request.

E-KS 1,8 M

CIRCULAR SHEAR

NEW

PREMIUM-LINE



E-KS 1,8 M

Electric circular shears for cutting various materials.

- » workpiece clamping and measuring setting manually
- » extremely stable and robust welded construction
- » knife made of special steel K2379, bronze bearing
- » knives are hardened, adjustable and regrindable
- » geared motor with brake system
- » central lubrication
- » very good value of money

OPTIONAL EQUIPMENT

- » pneumatic clutch system

Description	E-KS 1,8 M
sheet thickness (St 42)	max. 2,0 mm
min. workpiece diameter	100 mm
max. workpiece diameter	1.000 mm
cutting speed	7,5 m/min
motor power	1,1 kW
working range	700 mm
hump depth	280 mm
dimensions (L x D x H)	1.350 x 400 x 1.300 mm
weight	220 kg
	E-KS 1,8 M
EAN	4260364296709
Item No.	353 1018

E-KS 3,5 M / E-KS 5 M
CIRCULAR SHEARS

PREMIUM-LINE



PIC.: E-KS 3,5 M

E-KS 3,5 M / E-KS 5 M

Electric circular shears for cutting various materials.

- » workpiece clamping hydraulically, measuring setting manual (E-KS 3,5 M)
- » workpiece clamping and hydraulic adjustment (E-KS 5 M)
- » extremely stable and robust welded construction
- » knife made of special steel K2379, bronze bearing
- » knives are hardened, adjustable and regrindable
- » geared motor with brake system
- » central lubrication
- » hydraulic driven sheet centering system
- » very good value of money

Description	E-KS 3,5 M	E-KS 5 M
sheet thickness (St 37)	max. 3,5 mm	max. 5,0 mm
min. workpiece diameter	200 mm	250 mm
max. workpiece diameter	1.200 mm	2.000 mm
cutting speed	6,1 m/min	4,1 m/min
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 2,2 kW
working range	750 mm	880 mm
hump depth	250 mm	300 mm
dimensions (L x D x H)	2.000 x 600 x 1.400 mm	3.000 x 750 x 1.400 mm
weight	750 kg	1.350 kg
	E-KS 3,5 M	E-KS 5 M
EAN	4260364294521	4260364294538
Item No.	353 1035	353 1050

HS 125 / HS 150 / HS 300

HAND LEVER SHEARS



PIC.: HS 125

PIC.: HS 300

HS 125 / HS 150 / HS 300

- » for cutting of sheets and sheet profiles
- » in the top knife stands an admission bore for sectioning of round material
- » across the complete cut length
- » power gentle and easy separating
- » the workpart is positioned by an adjustable hold down clamp
- » shear is assured by a strong spring against independent closing
- » solid hand grip assures a safe operation
- » ergonomic cutting geometry
- » fixed cutters
- » robust shear body
- » stable pedestal with fixing bores

Description	HS 125	HS 150	HS 300
round material	Ø 11 mm	Ø 11 mm	Ø 13 mm
material length	90 mm	125 mm	180 mm
material thickness	4 mm	5 mm	4 mm
weight	9 kg	10 kg	26 kg
	HS 125	HS 150	HS 300
EAN	4260364292404	4260364292411	4260364292428
Item No.	226 0125	226 0150	226 0300

Description	spare plate for HS 125	spare plate for HS 150	spare plate for HS 300
EAN	4260364292435	4260364292442	4260364292459
Item No.	547 0125	547 0150	547 0300

TFS 1.050-1,0

LEVER SHEARS



Lever Shear

TFS 1.050-1,0

UNIVERSAL SHEAR FOR METAL,
PAPER AND OTHER MATERIALS

- » heavy duty cast iron construction
- » retraction of blade over spring
- » with manual holding down clamp for perfect achievement
- » large work table
- » centre console
- » adjustable parallel limit stop by hand crank
- » very good price performance ratio

- » cutting performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

Description	TFS 1.050-1,0
sheet thickness	max. 1 mm
working width	1.000 mm
dimensions (L x D x H)	1.500 x 1.275 x 1.500 mm
weight	240 kg
TFS 1.050-1,0	
EAN	4260364292473
Item No.	225 0715

E-TFS 1.050-1,5 / E-TFS 1.350-1,5

LEVER SHEARS

PREMIUM-LINE



PIC.: E-TFS 1.050-1,5

Heavy cast design, no welded construction.

E-TFS 1.050-1,5 / E-TFS 1.350-1,5

UNIVERSAL SHEAR FOR
SHEETS AND OTHER
MATERIALS

- » ideal for industry and craftsmen
- » high quality converting
- » for steel discs up to 1,5 mm
- » with variable holding down clamp for a perfect achievement
- » large working table
- » heavy cast iron construction, no welded construction

- » cutting performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

Description	E-TFS 1.050-1,5	E-TFS 1.350-1,5
Blade length	1.050 mm	1.350 mm
sheet thickness	max. 1,5 mm	max. 1,5 mm
working width	1.000 mm	1.300 mm
table size	600 x 1.270 mm	600 x 1.570 mm
dimensions (L x D x H)	1.980 x 840 x 1.160 mm	2.280 x 840 x 1.160 mm
weight	420 kg	510 kg

	E-TFS 1.050-1,5	E-TFS 1.350-1,5
EAN	4260364297218	4260364297225
Item No.	353 1051	353 1350

E-MTSK-MODELLE

MOTORIC GUILLOTINE SHEAR WITH CUTTING EMISSION
REAR OR FRONT

PREMIUM-LINE

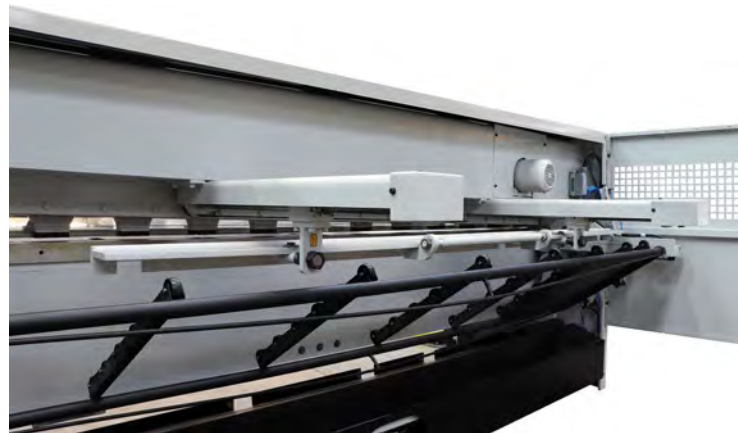


PIC.: E -MTSK 3.060-4,0

E-MTSK-MODELS

Ideal when space is limited or when mainly small parts are cut

- » support table with ball rollers, T-slots and lateral stop with scale
- » automatic hold-down-device for fixing sheet metal
- » cut-line lightning with silhouette
- » cutting gap adjustment in the front
- » cutting knife made of tool steel with two cutting edges
- » backgauge with recirculating ballscrews
- » pneumatic sheet holding device
- » sheet metal ejection optionally at the front or rear of the machine
- » mobile foot pedal and emergency stop button



PIC.: E -MTSK 3.060-4,0 REAR VIEW
(SHEET EJECTION FORWARD)



PIC.: E -MTSK 3.060-4,0 REAR VIEW
(SHEET EJECTION TO THE REAR)

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

Description	E-MTSK 1.100-6,0	E-MTSK 1.560-5,0	E-MTSK 2.060-4,0	E-MTSK 2.560-4,0	E-MTSK 3.060-4,0
working length	1.100 mm	1.560 mm	2.060 mm	2.560 mm	3.060 mm
max. thickness	6 mm	5 mm	4 mm	2 mm	4 mm
cutting angle	2°	2°	1°30°	1°30°	1°30°
strokes per minute	31	31	31	31	31
table height	800 mm	800 mm	830 mm	800 mm	830 mm
backgauge	0-750 mm	0-750 mm	0-750 mm	0-750 mm	0-750 mm
working width	455 mm	455 mm	455 mm	455 mm	450 mm
motor power	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW
dimension (L x D x H)	1.750 x 2.250 x 1.400 mm	2.300 x 2.250 x 1.400 mm	2.800 x 2.250 x 1.400 mm	3.225 x 2.250 x 1.400 mm	3.770 x 2.250 x 1.400 mm
weight	2.000 kg	2.500 kg	3.000 kg	3.500 kg	4.000 kg
	E-MTSK 1.100-6,0	E-MTSK 1.560-5,0	E-MTSK 2.060-4,0	E-MTSK 2.560-4,0	E-MTSK 3.060-4,0
EAN	4260364299557	4260364299564	4260364299571	4260364299588	4260364299595
Item No.	340 8116	340 8155	340 8204	340 8254	340 8304

E - MTBS - MODELS

MOTORIC GUILLOTINE SHEARS

PREMIUM-LINE

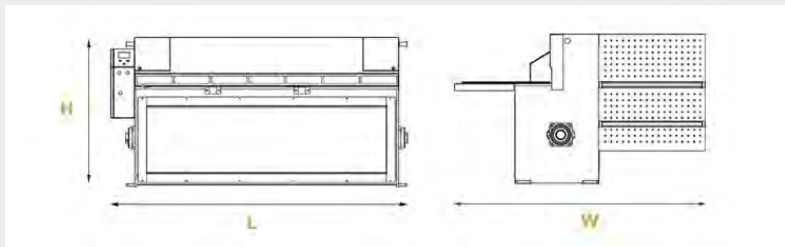


PIC.: E - MTBS 1.350-3,0

Motor-driven guillotine shears for material thicknesses up to 4 mm for cutting metals and other materials in sheet form. Motor, brake system with coolant system and clutch bell enable quiet operation and energy consumption has been reduced to a minimum.

E - MTBS - MODELS

- » high-quality, heavy and stable welded steel construction
- » backgauge manual 750 mm travel with ball screw drive
- » safety system in the rear area
- » finger protection barrier
- » LED-working light in the cutting area
- » operation via foot pedal
- » hardened knife that can be used on both sides
- » emergency stop switch with mobile foot pedal
- » sheet metal handle arms



» **cutting performance data refer to 24 kg/m² sheet bending limit**
 » **sheet thickness for stainless steel: factor 0,5**
 » **sheet thickness for aluminum: factor 1,2**

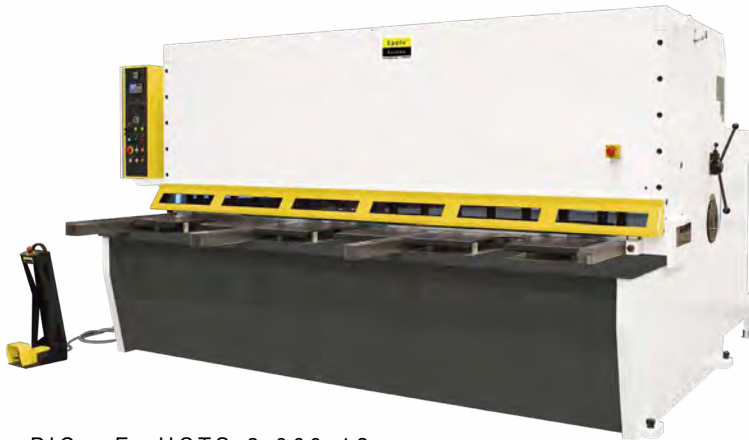
Description	E-MTBS 1.350-3,0	E-MTBS 2.050-3,0	E-MTBS 2.550-4,0	E-MTBS 3.050-4,0
sheet thickness (St 37)	max. 3,0 mm	max. 3,0 mm	max. 3,0 mm	max. 4,0 mm
working width	1.350 mm	2.050 mm	2.550 mm	3.050 mm
strokes per minute	35 mm/min	35 mm/min	41 mm/min	41 mm/min
motor power	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 7,5 kW
table depth	390 mm	390 mm	455 mm	455 mm
table height	850 mm	850 mm	850 mm	850 mm
dimensions (L x D x H)	2.150 x 1.930 x 1.310 mm	2.150 x 2.700 x 1.310 mm	3.200 x 2.150 x 1.450 mm	3.700 x 2.150 x 1.450 mm
weight	1.260 kg	1.760 kg	3.510 kg	4.010 kg
	E-MTBS 1.350-3,0	E-MTBS 2.050-3,0	E-MTBS 2.550-4,0	E-MTBS 3.050-4,0
EAN	4260364294569	4260364294583	4260364296723	4260364296730
Item No.	340 7135	340 7203	340 7254	340 7305

E-HTBS AND E-HSTS MODELS

HYDRAULIC GUILLOTINE SHEARS

PREMIUM-LINE

Hydraulic guillotine shears for cutting material thickness up to 20 mm.



PIC.: E -HSTS 3.060-13

- » bending performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5

E-HTBS MODELS

- » high-quality, heavy and stable steel welding
- » hydraulics and valves from Bosch-Rexroth
- » double acting hydraulic cylinders
- » motorized backgauge with NC-control ELGO
- » light barrier safety system in the rear area
- » finger protection in the front
- » central cutting gap adjustment
- » operation via foot pedal
- » emergency stop switch with mobile foot pedal
- » sheet metal handles

OPTIONAL EQUIPMENT

- » foldable finger guard
- » laser cut line display
- » sheet metal holder in the back
- » support arms with scale

Description	E-HTBS 2.560-6	E-HTBS 3.060-6	E-HTBS 3.060-8	E-HTBS 3.660-6	E-HTBS 4.060-6	E-HTBS 4.060-10
sheet thickness (St 37)	6 mm	6 mm	8 mm	6 mm	6 mm	10 mm
working width	2.560 mm	3.060 mm	3.060 mm	3.660 mm	4.060 mm	4.060 mm
table height	800 mm	800 mm	800 mm	800 mm	900 mm	800 mm
cutting angle	1,6°	1,6°	1,8°	1,2°	1,2°	2°
strokes per minute	15	17	17	20	23	23
motor power	11 kW	11 kW	15 kW	11 kW	11 kW	22 kW
dimensions (L x D x H)	3.190 x 2.940 x 1.570 mm	3.690 x 3.000 x 1.570 mm	3.740 x 3.080 x 1.650 mm	4.400 x 3.080 x 1.650 mm	4.710 x 3.190 x 1.750 mm	4.800 x 3.375 x 1.910 mm
weight	4.670 kg	5.450 kg	6.380 kg	7.300 kg	9.150 kg	13.000 kg
	E-HTBS 2.560-6	E-HTBS 3.060-6	E-HTBS 3.060-8	E-HTBS 3.660-6	E-HTBS 4.060-6	E-HTBS 4.060-10
EAN	4260364298079	4260364298086	4260364298093	4260364298109	4260364298116	4260364298123
Item No.	311 1256	311 1306	311 1308	311 1366	311 1406	311 1410

Description	E-HSTS 3.060-6	E-HSTS 3.060-10	E-HSTS 3.060-13	E-HSTS 3.060-16	E-HSTS 3.060-20	E-HSTS 4.060-13
sheet thickness (St 37)	6 mm	10 mm	13 mm	16 mm	20 mm	13 mm
working width	3.060 mm	3.060 mm	3.060 mm	3.060 mm	3.060 mm	4.060 mm
table height	800 mm	800 mm	900 mm	900 mm	900 mm	900 mm
cutting angle	1,5°	2°	2,4°	2,7°	3°	2,2°
strokes per minute	17	17	17	17	18	23
motor power	11 kW	22 kW	30 kW	30 kW	37 kW	30 kW
dimensions (L x D x H)	3.770 x 3.100 x 1.825 mm	3.850 x 3.275 x 1.850 mm	3.880 x 3.485 x 2.060 mm	3.840 x 3.550 x 2.230 mm	3.900 x 3.540 x 2.230 mm	4.830 x 3.375 x 2.160 mm
weight	7.000 kg	8.900 kg	11.500 kg	15.500 kg	19.600 kg	16.100 kg
	E-HSTS 3.060-6	E-HSTS 3.060-10	E-HSTS 3.060-13	E-HSTS 3.060-16	E-HSTS 3.060-20	E-HSTS 4.060-13
EAN	4260364298130	4260364298147	4260364298154	4260364298161	4260364298178	4260364298185
Item No.	311 2306	311 2310	311 2313	311 2316	311 2320	311 2413

E-HTS MODELS

HYDRAULIC GUILLOTINE SHEARS

PREMIUM-LINE



PIC.: E -HTS 6.070-6

Description	E-HTS 3.070-6	E-HTS 3.070-10	E-HTS 3.070-13	E-HTS 4.070-6	E-HTS 4.070-10	E-HTS 4.070-13
sheet thickness (St 37)	6 mm	10 mm	13 mm	6 mm	10 mm	13 mm
working width	3.070mm	3.070 mm	3.070 mm	4.070 mm	4.070 mm	4.070 mm
table height	800 mm	800 mm	800 mm	900 mm	900 mm	900 mm
cutting angle	0,5 - 1,5°	0,5 - 2,0°	0,5 - 2,5°	0,5 - 1,5°	0,5 - 2,0°	0,5 - 2,5°
strokes per minute	20 - 32	20 - 32	20 - 32	20 - 32	20 - 32	20 - 32
motor power	11 kW	11 kW	15 kW	11 kW	11 kW	11 kW
dimensions (L x D x H)	3.930 x 3.450 x 2.040 mm	3.930 x 3.450 x 2.040 mm	3.740 x 3.080 x 1.650 mm	4.890 x 3.295 x 2.170 mm	4.930 x 3.360 x 2.230 mm	4.950 x 3.685 x 2.500 mm
weight	7.800 kg	11.000 kg	6.380 kg	12.000 kg	15.000 kg	18.000 kg
EAN	4260364297959	4260364297966	4260364297973	4260364297980	4260364297997	4260364298000
Item No.	311 3306	311 3310	311 3313	311 3406	311 3410	311 3413

Description	E-HTS 4.070-16	E-HTS 4.070-20	E-HTS 6.070-6	E-HTS 6.070-10	E-HTS 6.070-16	E-HTS 6.070-20
sheet thickness (St 37)	16 mm	20 mm	6 mm	10 mm	16 mm	20 mm
working width	4.070 mm	4.070 mm	6.070 mm	6.070 mm	6.070 mm	6.070 mm
table height	900 mm	900 mm	1.000 mm	1.000 mm	1.000 mm	1.000 mm
cutting angle	0,5 - 3,0°	0,5 - 3,0°	0,5 - 1,5°	0,5 - 2,0°	0,5 - 3,0°	0,5 - 3,0°
strokes per minute	20 - 32	20 - 32	20 - 32	20 - 32	20 - 32	20 - 32
motor power	11 kW	11 kW	16,5 kW	16,5 kW	16,5 kW	16,5 kW
dimensions (L x D x H)	4.970 x 3.715 x 2.600 mm	4.9800 x 3.730 x 2.700 mm	6.870 x 3.460 x 2.450 mm	6.950 x 3.550 x 2.800 mm	6.980 x 3.650 x 2.960 mm	7.010 x 3.820 x 3.100 mm
weight	22.000 kg	26.600 kg	36.000 kg	22.000 kg	43.000 kg	46.000 kg
EAN	4260364298017	4260364298024	4260364298031	4260364298048	4260364298055	4260364298062
Item No.	311 3416	311 3420	311 3606	311 3610	311 3616	311 3620

E-PPSM-MODELS

PRECISION PLASMA CUTTING MACHINES

PREMIUM-LINE



PIC.: E - PPSM 1503

Description	E-PPSM 1503	E-PPSM 2004	E-PPSM 2006	E-PPSM 2504	E-PPSM 2506
table size	3.200 x 1.700mm	4.800 x 2.200 mm	6.400 x 2.200mm	4.800 x 2.700 mm	6.400 x 2.700 mm
table height	750 mm	750 mm	750 mm	750 mm	750 mm
distance longitudinal axis	3.200 mm	4.200 mm	6.200 mm	4.200 mm	6.200 mm
distance transverse axis	1.700 mm	2.200 mm	2.200 mm	2.700 mm	2.700 mm
dimensions	5.200 x 3.000 x 1.800 mm	6.200 x 3.500 x 1.800 mm	8.200 x 3.500 x 1.800 mm	6.200 x 4.000 x 1.800 mm	8.200 x 4.000 x 1.800 mm
weight (ca.)	3.000 kg	5.000 kg	7.000 kg	6.000 kg	8.000 kg
	E-PPSM 1503	E-PPSM 2004	E-PPSM 2006	E-PPSM 2504	E-PPSM 2506
EAN	4260364299601	4260364299618	4260364299625	4260364299632	4260364299649
Item No.	313 5031	313 5042	313 5062	313 5043	313 5063

Description	E-PPSM 3006	E-PPSM 3009	E-PPSM 3012	E-PPSM 3014
table size	6.400 x 3.200 mm	9.600 x 3.200 mm	12.800 x 3.200 mm	14.400 x 3.200 mm
table height	750 mm	750 mm	750 mm	750 mm
distance longitudinal axis	6.200 mm	9.200 mm	12.200 mm	14.200 mm
distance transverse axis	3.200 mm	3.200 mm	3.200 mm	3.200 mm
dimensions	8.200 x 4.500 x 1.800 mm	11.200 x 4.500 x 1.800 mm	14.200 x 4.500 x 1.800 mm	16.000 x 4.500 x 1.800 mm
weight	9.000 kg	11.000 kg	14.000 kg	16.000 kg
	E-PPSM 3006	E-PPSM 3009	E-PPSM 3012	E-PPSM 3014
EAN	4260364299656	4260364299663	4260364299670	4260364299687
Item No.	313 5064	313 5093	313 5123	313 5143

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CNC

OTHER MACHINES

ACCESSORIES

E-IPSM-MODELS PLASMA CUTTING MACHINES

PREMIUM-LINE



PIC.: E-IPSM 3012 WITH SPECIAL ACCESSORIES
ROUND CUTTING DEVICE

E-IPSM plasma cutting systems are designed for the highest requirements in fine plasma cutting. They are based on the plasma source HYPERTHERM "HPR 130 XD" which enables flame cutting of sheet thicknesses in the range of 0.5 to 38 mm. For unalloyed materials and thicknesses up to 32 mm, laser-like cutting qualities are achieved. The cutting table is designed for thin and medium sheets - loading capacity up to 1.580 kg/m². The precision of the machine is guaranteed by double linear guides.

Standard Equipment

- » plasma source HYPERTHERM „HPR 130-XD“
- » automatic gas console
- » automatic workpiece alignment by means of laser
- » torch height sensor system for the perfect cut
- » CNC unit HYPERTHERM „MicroEdge Pro“
- » user software: HYPERTHERM „ProNest 2012“ with „TRUE HOLE“ Technology
- » position accuracy: +/- 0,2 mm
- » linear rail width: 20 mm
- » cutting current: 20-130 A
- » connected load: 32 kVA

From 8.000 mm travel, the machines have two cutting heads. Thus double the cutting capacity is available. Simultaneous machining with two cutting heads significantly increases the productivity of the machine.

Overview Technical Data E-IPSM - Machines

Description	E-IPSM 3006	E-IPSM 3008	E-IPSM 3012	E-IPSM 3014
table size	6.400 x 3.200 mm	8.000 x 3.200 mm	12.800 x 3.200 mm	14.400 x 3.200 mm
table height	750 mm	750 mm	750 mm	750 mm
distance longitudinal axis	6.400 mm	8.000 mm	12.800 mm	14.400 mm
distance transverse axis	3.200 mm	3.200 mm	3.200 mm	3.200 mm
dimensions	8.000 x 5.200 x 1.900 mm	10.000 x 5.200 x 1.900 mm	14.000 x 5.200 x 1.900 mm	16.000 x 5.200 x 1.900 mm
weight	4.100 kg	5.600 kg	7.050 kg	7.800 kg
Description	E-IPSM 3006	E-IPSM 3008	E-IPSM 3012	E-IPSM 3014
EAN	4260364298680	4260364298703	4260364298734	4260364298758
Item No.	313 4063	313 4083	313 4123	313 4143

Description	E-IPSM 3016	E-IPSM 4006	E-IPSM 4008	E-IPSM 4010
table size	17.600 x 3.200 mm	6.400 x 4.400 mm	8.000 x 4.400 mm	11.200 x 4.400 mm
table height	750 mm	750 mm	750 mm	750 mm
distance longitudinal axis	17.600 mm	6.400 mm	8.000 mm	11.200 mm
distance transverse axis	3.200 mm	4.400 mm	4.400 mm	4.400 mm
dimensions	18.000 x 5.200 x 1.900 mm	8.000 x 6.200 x 1.900 mm	10.000 x 6.200 x 1.900 mm	12.000 x 6.200 x 1.900 mm
weight	9.100 kg	5.900 kg	8.200 kg	9.300 kg
Description	E-IPSM 3016	E-IPSM 4006	E-IPSM 4008	E-IPSM 4010
EAN	4260364298772	4260364298697	4260364298710	4260364298727
Item No.	313 4163	313 4064	313 4084	313 4104

Description	E-IPSM 4012	E-IPSM 4014	E-IPSM 4016	E-IPSM 4018
table size	12.800 x 4.400 mm	14.400 x 4.400 mm	17.600 x 4.400 mm	19.200 x 4.400 mm
table height	750 mm	750 mm	750 mm	750 mm
distance longitudinal axis	12.800 mm	14.400 mm	17.600 mm	19.200 mm
distance transverse axis	4.400 mm	4.400 mm	4.400 mm	4.400 mm
dimensions	14.000 x 6.200 x 1.900 mm	16.000 x 6.200 x 1.900 mm	18.000 x 6.200 x 1.900 mm	20.000 x 6.200 x 1.900 mm
weight	10.450 kg	11.600 kg	13.700 kg	14.850 kg
Description	E-IPSM 4012	E-IPSM 4014	E-IPSM 4016	E-IPSM 4018
EAN	4260364298741	4260364298765	4260364298789	4260364298796
Item No.	313 4124	313 4144	313 4164	313 4184

SMALLER MACHINES FROM 2.200 X 1.600 MM ON REQUEST.

E-LSA-MODELS LASER CUTTING MACHINES



E-LSA - laser cutting systems offer high engineering level, precision, high cutting speed and low costs when cutting thin workpieces up to 25 mm.

Precise and simple processing of large and small plate formats up to 8 mm in cold rolled steel, up to 5 mm in stainless steel (at laser power 2 kW).

- » high-speed and high-precision servo motion system.
- » no repositioning of the plate ensures optimum accuracy
- » fiber optic laser delivery system
- » simple user interface and cutting database
- » CNC-controlled hydraulic lifting double shuttle table¹
- » easily accessible remote diagnostic functions
- » long service life of the lens due to lens protection

Up to sheet thickness of 5 mm, a fiber laser offers advantages over CO₂ lasers. It is around 30% more economical in consumption, requires almost no maintenance, and takes up less space.

Copper, bronze, titanium and brass can also be cut.

Operating costs are lower for CO₂-lasers with sheet thicknesses over 8 mm and higher cutting speeds are possible for sheet thicknesses over 5 mm. CO₂-lasers can also be used to cut wood, plastic, glass and coated sheet metal, as well as stainless steel and aluminum over 15 mm thickness.

Description	E-LSA 4020-2 FI	E-LSA 4020-3 FI	E-LSA 4020-4 FI	E-LSA 4020-4 CO
cutting thickness - rolled steel	15 mm	18 mm	20 mm	20 mm
cutting range	4.000 x 2.000 mm	4.000 x 2.000 mm	4.000 x 2.000 mm	4.000 x 2.000 mm
table load	525 kg/m ²	525 kg/m ²	525 kg/m ²	525 kg/m ²
feed	210 m/min	210 m/min	210 m/min	210 m/min
rapid traverse x/y	310 m/min	310 m/min	310 m/min	310 m/min
laser power	2 kW	3 kW	4 kW	4 kW
dimensions (L x D x H)	12.500 x 7.050 x 2.250 mm	12.500 x 7.050 x 2.250 mm	12.500 x 7.050 x 2.250 mm	12.500 x 7.050 x 2.250 mm
	E-LSA 4020-2 FI	E-LSA 4020-3 FI	E-LSA 4020-4 FI	E-LSA 4020-4 CO
EAN	4260364299229	4260364299236	4260364299243	4260364299250
Item No.	313 1422	313 1423	313 1424	313 0424

Overview Technical Data

E-LSA - Machines

Description	E-LSA 4030-4 FI	E-LSA 4030-4 CO	E-LSA 6020-3 FI	E-LSA 6020-4 FI	E-LSA 6020-4 CO	E-LSA 6020-5 CO
cutting thickness - rolled steel	20 mm	20 mm	18 mm	20 mm	20 mm	22 mm
cutting range	4.000 x 3.000 mm	4.000 x 3.000 mm	6.000 x 2.000 mm	6.000 x 2.000 mm	6.000 x 2.000 mm	6.000 x 2.000 mm
table load	525 kg/m ²	525 kg/m ²	525 kg/m ²	525 kg/m ²	525 kg/m ²	525 kg/m ²
feed	210 m/min	210 m/min	210 m/min	210 m/min	210 m/min	210 m/min
rapid traverse x/y	310 m/min	310 m/min	310 m/min	310 m/min	310 m/min	310 m/min
laser power	4 kW	4 kW	3 kW	4 kW	4 kW	5 kW
dimensions (L x D x H)	12.500 x 8.050 x 2.250 mm	12.500 x 8.050 x 2.250 mm	16.500 x 7.050 x 2.250 mm	16.500 x 7.050 x 2.250 mm	16.500 x 7.050 x 2.250 mm	16.500 x 7.050 x 2.250 mm
EAN	4260364299267	4260364299274	4260364299281	4260364299298	4260364299304	4260364299311
Item No.	313 1434	313 0434	313 1623	313 1624	313 0624	313 0625

Description	E-LSA 6030-3 FI	E-LSA 6030-4 FI	E-LSA 6030-4 CO	E-LSA 6030-5 CO	E-LSA 8020-4 FI	E-LSA 8020-4 CO
cutting thickness - rolled steel	18 mm	20 mm	20 mm	22 mm	20 mm	20 mm
cutting range	6.000 x 3.000 mm	6.000 x 3.000 mm	6.000 x 3.000 mm	6.000 x 3.000 mm	8.000 x 2.000 mm	8.000 x 2.000 mm
table load	525 kg/m ²	525 kg/m ²	525 kg/m ²	525 kg/m ²	525 kg/m ²	525 kg/m ²
feed	210 m/min	210 m/min	210 m/min	210 m/min	210 m/min	210 m/min
rapid traverse x/y	310 m/min	310 m/min	310 m/min	310 m/min	310 m/min	310 m/min
laser power	3 kW	4 kW	4 kW	5 kW	4 kW	4 kW
dimensions (L x D x H)	16.500 x 8.050 x 2.250 mm	16.500 x 8.050 x 2.250 mm	16.500 x 8.050 x 2.250 mm	16.500 x 8.050 x 2.250 mm	20.500 x 7.050 x 2.250 mm	20.500 x 7.050 x 2.250 mm
EAN	4260364299328	4260364299335	4260364299342	4260364299359	4260364299366	4260364299373
Item No.	313 1633	313 1634	313 0634	313 0635	313 1824	313 0824

Description	E-LSA 8030-4 FI	E-LSA 8030-4 CO	E-LSA 8030-5 CO	E-LSA 10020-5 CO	E-LSA 10020-6 CO	E-LSA 10030-6 CO
cutting thickness - rolled steel	20 mm	20 mm	22 mm	22 mm	25 mm	25 mm
cutting range	8.000 x 3.000 mm	8.000 x 3.000 mm	8.000 x 3.000 mm	10.000 x 2.000 mm	10.000 x 2.000 mm	10.000 x 3.000 mm
table load	525 kg/m ²	525 kg/m ²	525 kg/m ²	525 kg/m ²	525 kg/m ²	525 kg/m ²
feed	210 m/min	210 m/min	210 m/min	210 m/min	210 m/min	210 m/min
rapid traverse x/y	310 m/min	310 m/min	310 m/min	310 m/min	310 m/min	310 m/min
laser power	4 kW	4 kW	5 kW	5 kW	6 kW	6 kW
dimensions (L x D x H)	20.500 x 8.050 x 2.250 mm	20.500 x 8.050 x 2.250 mm	20.500 x 8.050 x 2.250 mm	24.500 x 7.050 x 2.250 mm	24.500 x 7.050 x 2.250 mm	24.500 x 8.050 x 2.250 mm
EAN	4260364299380	4260364299397	4260364299403	4260364299410	4260364299427	4260364299434
Item No.	313 1834	313 0834	313 0835	313 0125	313 0126	313 0136

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CNC

OTHER MACHINES

ACCESSORIES

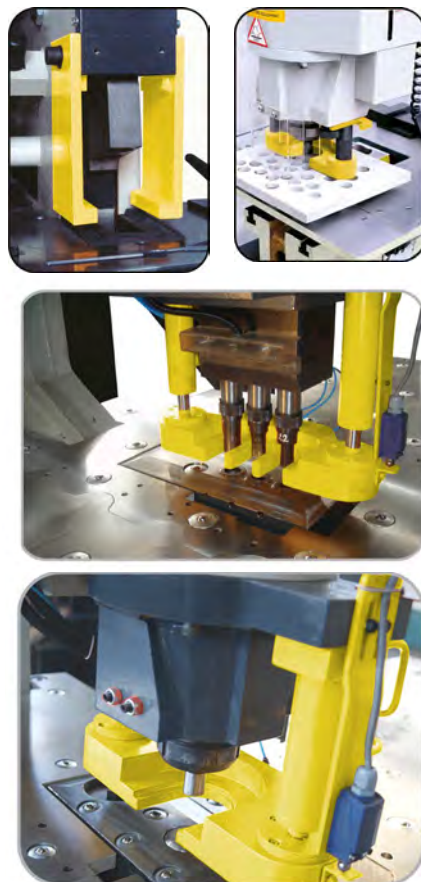
E-HPS 40

HYDRAULIC STEELWORKER

Hydraulic Steelworkers

NEW

PREMIUM-LINE



E-HPS 40

- » 4 processing stations with foot control
- » cutting, notching, notching and punching of angle iron, flat iron and bar material
- » central lubrication
- » high-quality, heavy and sturdy steel welded construction

- » cutting performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

Description	E-HPS 40
punching force	40 t
working range	175 mm
working stroke	50 mm
working height (hole punch)	970 mm
motor power	400 V / 50 Hz / 3 kW
dimensions (L x D x H)	1.100 x 800 x 1.520 mm
weight	580 kg
E-HPS 40	
EAN	4260364296747
Item No.	353 0040

Description	E-HPS 40
max. thickness diameter	20 x 15 mm
thickness diameter	30 x 10 mm
working stroke	50 mm
working height	970 mm
sheet shears	-
sheets	200 x 13 mm
sheets	300 x 6 mm
blade length	356 mm
shearing with angle	80 x 10 mm
working height	970 mm
angle steel at 90°	-
angle steel at 45°	80 x 80 x 8 mm
working height	50 x 6 mm
steel sheers	1.110 mm
circular	-
square	ø 30 mm
rectangular	25 mm

E-HPS 45 / E-HPS 60

HYDRAULIC STEELWORKERS

PREMIUM-LINE



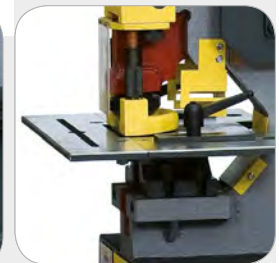
PIC.: E-HPS 60



notching station
Table with arrester and scales



flat steel station
Table with angle arresters and adjustable blank holders



punch station
Max. capacity 28 x 15 mm and 38 x 11 mm



rod steel station
With blank holder



angle iron station
45/ 90° angle



Produktvideo-QR oder
www.epple.com

Specify tool brand with your order:

- » Mubea
- » Kingsland
- » Peddinghaus

- » cutting performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

E-HPS 45 / E-HPS 60
WITH 5 WORKSTATIONS

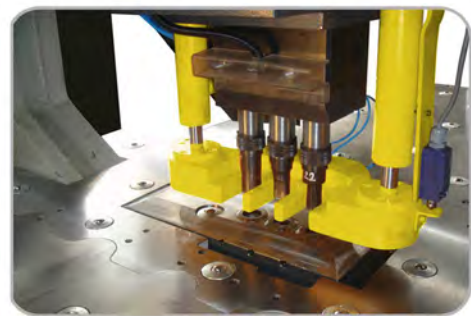
- » 5 processing stations with foot controller
- » punching, steel bar shearing, angle iron cropping, sheet metal shearing, notching
- » for fast working with short cycle times
- » heavy welded steel construction
- » motor 400 V / 4 kW

Description	E-HPS 45	E-HPS 60
punching force	45 t	60 t
working range	175 mm	220 mm
working stroke	50 mm	55 mm
working height (hole punch)	935 mm	955 mm
motor power	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 4 kW
dimensions (L x D x H)	1.430 x 950 x 1.680 mm	1.520 x 950 x 1.780 mm
weight	1.180 kg	1.440 kg
	E-HPS 45	E-HPS 60
EAN	4260364292503	4260364292510
Item No.	353 0045	353 0060

E-HPS 55 / E-HPS 65

HYDRAULIC STEELWORKER

PREMIUM-LINE



Hydraulic Steelworkers

PIC.: E-HPS 65

E-HPS 55 / E-HPS 65

- » 5 processing stations with foot controller
- » punching, steel bar shearing, angle iron cropping, sheet metal shearing, notching
- » double cylinder
- » for fast working with short cycle times
- » heavy welded steel construction
- » motor 400 V / 5,5 kW

Specify tool brand with your order:

- » Mubea
- » Kingsland
- » Peddinghaus

- » cutting performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

Description	E-HPS 55	E-HPS 65
punching force	55 t	65 t
working range	255 mm	305 mm
working stroke	60 mm	55 mm
working height (hole punch)	1.030 mm	1.030 mm
motor power	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 5,5 kW
dimensions (L x D x H)	1.500 x 950 x 1.880 mm	1.700 x 950 x 1.880 mm
weight	1.520 kg	1.600 kg
	E-HPS 55	E-HPS 65
EAN	4260364292527	4260364292534
Item No.	353 0055	353 0065

E-HPS 65 V

HYDRAULIC STEELWORKERS

NEW

PREMIUM-LINE



PIC.: E-HPS 65 V

E-HPS 65 V WITH 5 WORK STATIONS

- » 5 processing stations with foot controller
- » punching, steel bar shearing, angle iron cropping, sheet metal shearing, notching
- » double cylinder
- » for fast working with short cycle times
- » heavy welded steel construction
- » electric motor 400 V / 5,5 kW / 7,5 kW

- » cutting performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

Specify tool brand with your order:

- » Mubea
- » Kingsland
- » Peddinghaus

Description	E-HPS 65 V
punching force	65 t
working range	240 mm
working stroke	40 mm
working height	1.050 / 1.070 / 810 mm
motor power	400 V / 50 Hz / 5,5 kW
dimensions (L x D x H)	1.180 x 900 x 1.720 mm
weight	1.215 kg
	E-HPS 65 V
EAN	4260364296754
Item No.	353 0066

E-HPS 85 / E-HPS 115 / E-HPS 175

HYDRAULIC STEELWORKERS

PREMIUM-LINE



PIC.: E-HPS 175

Hydraulic Steelworkers

E-HPS 85 / E-HPS 115 / E-HPS 175 WITH 5 WORK STATIONS

- » 5 processing stations with foot controller
- » punching, steel bar shearing, angle iron cropping, sheet metal shearing, notching
- » with double cylinder
- » for fast working with short cycle times
- » heavy welded steel construction
- » electric motor 400 V / 7,5 - 11 kW

Specify tool brand with your order:

- » Mubea
- » Kingsland
- » Peddinghaus

- » cutting performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

Description	E-HPS 85	E-HPS 115	E-HPS 175
punching force	85 t	115 t	175 t
working range	355 mm	355 mm	625 mm
working stroke	80 mm	80 mm	80 mm
working height (hole punch)	1.080 mm	1.110 mm	1.130 mm
motor power	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 11 kW	400 V / 50 Hz / 11 kW
dimensions (L x D x H)	1.920 x 950 x 2.040 mm	2.040 x 950 x 2.180 mm	2.730 x 1.150 x 2.280 mm
weight	2.315 kg	2.920 kg	6.000 kg

	E-HPS 85	E-HPS 115	E-HPS 175
EAN	4260364292541	4260364292558	4260364292565
Item No.	353 0085	353 0115	353 0175

Overview Technical Data

E-HPS - Machines

Description	E-HPS 40	E-HPS 45	E-HPS 60	E-HPS 55	E-HPS 65
hole punch	-	-	-	-	-
max. thickness diameter	20 x 15 mm	22 x 15 mm	28 x 15 mm	20 x 20 mm	26 x 20 mm
thickness diameter	30 x 10 mm	38 x 8 mm	38 x 11 mm	40 x 10 mm	57 x 10 mm
working stroke	50 mm	50 mm	55 mm	60 mm	55 mm
working height	970 mm	935 mm	955 mm	1.030 mm	1.030 mm
sheet shear	-	-	-	-	-
sheet	200 x 13 mm	200 x 15 mm	200 x 20 mm	200 x 20 mm	300 x 20 mm
sheet	300 x 6 mm	300 x 12 mm	300 x 15 mm	300 x 15 mm	375 x 15 mm
blade length	356 mm	316 mm	317 mm	317 mm	380 mm
angle shear	80 x 10 mm	80 x 10 mm	80 x 10 mm	80 x 15 mm	100 x 15 mm
working height	980 mm	935 mm	955 mm	900 mm	900 mm
steel profile shear	-	-	-	-	-
angle iron at 90°	80 x 80 x 8 mm	100 x 100 x 10 mm	120 x 120 x 12 mm	120 x 120 x 12 mm	120 x 120 x 12 mm
angle iron at 45°	50 x 6 mm	70 x 6 mm	80 x 8 mm	70 x 10 mm	70 x 10 mm
working height	1.110 mm	1.140 mm	1.155 mm	1.130 mm	1.130 mm
steel bar shear	-	-	-	-	-
circular	ø 30 mm	ø 30 mm	ø 40 mm	ø 40 mm	ø 45 mm
square	25 mm	25 mm	35 mm	40 mm	45 mm
notching	-	-	-	-	-
material thickness	-	8 mm	10 mm	10 mm	10 mm
length	1.100 mm	1.430 mm	1.520 mm	1.500 mm	1.700 mm
depth	800 mm	950 mm	950 mm	950 mm	950 mm
working height	1.520 mm	1.680 mm	1.780 mm	1.880 mm	1.880 mm

Description	E-HPS 65 V	E-HPS 85	E-HPS 85 V	E-HPS 115	E-HPS 175
hole punch	-	-	-	-	-
max. thickness diameter	26 x 20 mm	33 x 20 mm	33 x 20 mm	34 x 26 mm	40 x 32 mm
thickness diameter	57 x 10 mm	57 x 12 mm	57 x 12 mm	55 x 16 mm	57 x 22 mm
working stroke	55 mm	80 mm	80 mm	80 mm	80 mm
working height	1.030 mm	1.080 mm	1.080 mm	1.110 mm	1.130 mm
sheet shear	-	-	-	-	-
sheet	300 x 20 mm	380 x 20 mm	380 x 20 mm	380 x 25 mm	380 x 30 mm
sheet	375 x 15 mm	480 x 15 mm	480 x 15 mm	600 x 15 mm	600 x 20 mm
blade length	380 mm	482 mm	482 mm	610 mm	610 mm
angle shear	100 x 15 mm	120 x 15 mm	120 x 15 mm	120 x 15 mm	120 x 15 mm
working height	900 mm	940 mm	940 mm	935 mm	810 mm
steel profile shear	-	-	-	-	-
angle iron at 90°	120 x 120 x 12 mm	150 x 150 x 15 mm	150 x 150 x 15 mm	150 x 150 x 16 mm	200 x 200 x 20 mm
angle iron at 45°	70 x 10 mm	80 x 8 mm	80 x 8 mm	80 x 10 mm	80 x 10 mm
working height	1.130 mm	1.200 mm	1.200 mm	1.215 mm	1.130 mm
steel bar shear	-	-	-	-	-
circular	ø 45 mm	ø 50 mm	ø 50 mm	ø 55 mm	ø 65 mm
square	45 mm	50 mm	50 mm	50 mm	55 mm
notching	-	-	-	-	-
material thickness	10 mm	13 mm	13 mm	13 mm	16 mm
length	1.800 mm	1.920 mm	1.800 mm	2.040 mm	2.730 mm
depth	900 mm	950 mm	1.050 mm	950 mm	1.150 mm
working height	1.880 mm	2.040 mm	1.880 mm	2.180 mm	2.280 mm

E-HLS 30 / E-HLS 65 / E-HLS 85 E-HLS 115 / E-HLS 175

HYDRAULIC HOLE PUNCHING MACHINES

PREMIUM-LINE



PIC.: E-HLS 85

**E-HLS 30 / E-HLS 65 /
E-HLS 85 / E-HLS 115 /
E-HLS 175**

- » for punching sheets, flat and U-steel
- » heavy and stable welded construction
- » time-saving, stepless stroke adjustment
- » stamp holder
- » LED working light
- » C-clamps

- » cutting performance data refer to 24 kg/m² sheet bending limit
- » sheet thickness for stainless steel: factor 0,5
- » sheet thickness for aluminum: factor 1,2

TECHNICAL DATA

Description	E-HLS 30	E-HLS 65	E-HLS 85	E-HLS 115	E-HLS 175
punching force	30 t	65 t	85 t	115 t	175 t
working range	625 mm	625 mm	625 mm	625 mm	625 mm
punching diameter					
max. thickness diameter	18 x 12 mm	26 x 20 mm	33 x 20 mm	34 x 26 mm	40 x 32 mm
punching machine					
thickness diameter	22 x 10 mm	57 x 10 mm	57 x 12 mm	55 x 16 mm	57 x 22 mm
working stroke	55 mm	55 mm	80 mm	80 mm	80 mm
no. of strokes at 20 mm	x 20	x 22	x 21	x 21	x 21
working height (hole punch)	1.030 mm	950 mm	950 mm	950 mm	950 mm
motor power	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 11 kW	400 V / 50 Hz / 11 kW
dimensions (L x D x H)	1.160 x 900 x 1.560 mm	1.600 x 900 x 1.800 mm	1.850 x 950 x 1.920 mm	2.000 x 950 x 1.970 mm	2.700 x 1.120 x 2.160 mm
weight	1.200 kg	2.440 kg	3.270 kg	3.760 kg	5.270 kg
	E-HLS 30	E-HLS 65	E-HLS 85	E-HLS 115	E-HLS 175
EAN	4260364298826	4260364292596	4260364292602	4260364292619	4260364292626
Item No.	353 2030	353 2065	353 2085	353 2115	353 2175

E-HLS DP - MODELS

HYDRAULIC HOLE PUNCHING MACHINES

PREMIUM-LINE



ABB.: E-HLS 115 DP

Description	E-HLS 65 DP	E-HLS 85 DP	E-HLS 115 DP	E-HLS 175 DP
punching force	2 x 65 t	2 x 85 t	2 x 115 t	2 x 175 t
dimensions (L x D x H)	1.900 x 950 x 1.800 mm	2.250 x 950 x 1.920 mm	2.350 x 950 x 1.970 mm	2.800 x 1.100 x 2.160 mm
weight	2.900 kg	3.700 kg	4.600 kg	6.750 kg
EAN	4260364299762	4260364299779	4260364299786	4260364299793
Item No.	353 3065	353 3085	353 3115	353 3175

E-HLS DP - MODELS

On machines with two workstations (E-HLS DP) it is possible to work highly productively, either by two persons at the same time or by preparing different punching tools.

Model E-HLS 30 only for single operation, all other models also with double station.



DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

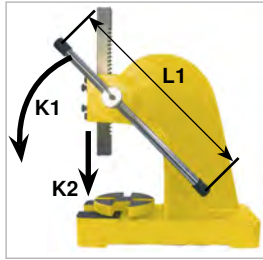
CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

DDP 2 / DDP 3 / DDP 5

ARBOR PRESSES



PIC.: DDP 2



PIC.: DDP 3



PIC.: DDP 5

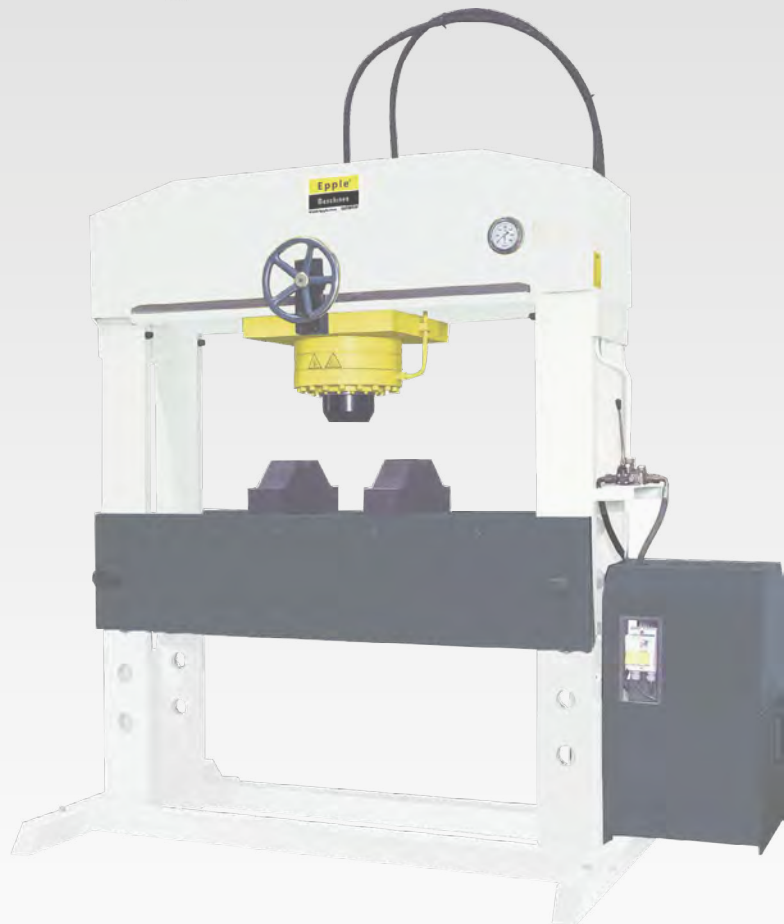
Arbor Press

DDP 2 / DDP 3 / DDP 5 HEAVY CASTING PRECISE

- » ideal for work- and repair shops
- » stable construction
- » body made of high-grade grey cast iron

- » suitable for molding in and crushing bearing, arbors, bushings, spindles and pins
- » for bending, flattening and broaching operations
- » turntable adjustable in four positions
- » variable adjustable lever rod
- » fixed on a working table

Description	DDP 2	DDP 3	DDP 5
max. height press	195 mm	305 mm	455 mm
working range	136 mm	159 mm	210 mm
pusher size (W x D x H)	33 x 33 x 350 mm	38 x 38 x 460 mm	50 x 50 x 640 mm
table size	160 mm	185 mm	255 mm
dimensions (W x D x H)	200 x 425 x 565 mm	275 x 460 x 845 mm	340 x 640 x 1.185 mm
weight	33 kg	48 kg	150 kg
K1	at 60 kg	at 60 kg	at 60 kg
K2	1.290 kg	1.186 kg	1.976 kg
L1	40,5 cm	54 cm	80 cm
	DDP 2	DDP 3	DDP 5
EAN	4260364292336	4260364292343	4260364292350
Item No.	225 8002	225 8003	225 8005



Horizontal And Vertical Press Brakes

E-HBP 10

MOBILE HYDRAULIC PRESS

NEW

PREMIUM-LINE



PIC.: E-HBP 10



PIC.: E-HBP 10 WITH OPTIONAL
STAND

Bending Press

E-HBP 10

- » horizontal press for mobile use for bending various profiles
- » ideal for service vehicles
- » punch and die are hardened
- » simple stroke adjustment

OPTIONAL EQUIPMENT

- » Substructure for stationary use

Description	E-HBP 10
pressure	10 t
max. pressure	120 bar
min. distance compression die	110 mm
max. distance compression die	310 mm
height of pressure stamps	100 mm
motor power	230 V / 50 Hz / 1,5 kW
dimensions (L x D x H)	1200 x 250 x 400 mm
weight	80 kg
	E-HBP 10
EAN	4260364299748
Item No.	353 0010

E-HBP 22 / E-HBP 40

HORIZONTAL HYDRAULIC BENDING PRESSES

PREMIUM-LINE



PIC.: E-HBP 22



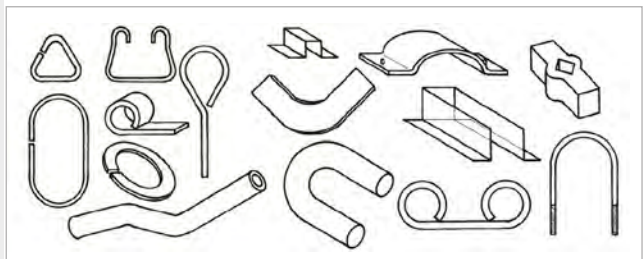
PIC.: E-HBP 40

E-HBP 22 / E-HBP 40

WITH UP TO 40 TONS BENDING PRESSURE

- » easy adjustable stroke length on the front side
- » massive and stable working table made of ground steel
- » hydraulic movable slide made of forged steel, tempered, ground and protected by dust scraper
- » machine operating by foot pedal or two-hand control
- » conic quick-change tool holder bolts made of hardened steel

Beispielanfertigungen



HBP 40

OPTIONAL EQUIPMENT

- » alternatively also available with 7 stations pipe bending tools and NC control

Description	E-HBP 22	E-HBP 40
bending pressure	22 t	40 t
table size	625 x 1.100 mm	620 x 1.050 mm
stroke length	200 mm	250 mm
bending capacity flat steel	120 x 15 mm	160 x 20 mm
bending- / release speed	1.750 mm/min 2.000 mm/min	1.750 mm/min 2.000 mm/min
bolt height	120 mm	160 mm
bolt diameter	55 mm / 55 mm	55 mm / 63 mm
motor power	400 V / 50 Hz / 2,2 kW	400 V / 50 Hz / 4 kW
dimensions (L x D x H)	630 x 1.100 x 925 mm	700 x 1.150 x 950 mm
weight	635 kg	920 kg
	E-HBP 22	E-HBP 40
EAN	4260364292572	4260364292589
Item No.	353 1022	353 1040

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

E-HBP 80

HYDRAULIC HORIZONTAL PRESS

NEW

PREMIUM-LINE



PIC.: E-HBP 80

E-HBP 80

HYDRAULIC HORIZONTAL PRESS WITH UP TO 80 TONS BENDING PRESSURE

- » pressure carriage made of forged steel hardened, with dust wiper
- » easily adjustable stroke from the front
- » slide stroke adjustment via hydraulic valves with handwheels
- » stroke adjustment also possible under working pressure
- » hardened tool holder pins made of alloy steel
- » operation via foot pedal or two-hand control possible

OPTIONAL EQUIPMENT

- » special tools for bending tubes and flat steels in special bends or angle radii.
- » NC-control

Description	E-HBP 80
table size	520 x 620 mm
table height	950 mm
bolt height	280 mm
pressure	80 t
max. pressure	300 bar
Lifting speed under pressure	470 mm/min
infeed / retraction speed	2250-2500 mm/min
motor power	7,5 kW
dimensions (B x D x H)	1200 x 750 x 1430 mm
weight	1600 kg
E-HBP 80	
EAN	4260364299755
Item No.	353 2080

HAKP 24 / HAKP 48

HYDRAULIC BENDING PRESS

NEW



PIC.: HAKP 24



PIC.: HAKP 48

HAKP 24 / HAKP 48

- » universal robust folding machine
- » ideal for repair purposes
- » samples and / or small quantities
- » with manual back gauge 105-550 mm

The lower tool has different prisms for flexible use.
Both machines can be used stationary and mobile.

Description	HAKP 24	HAKP 48
pressure	15 t	30 t
max. sheet thickness	4 mm	4 mm
max. bending width	600 mm	1.200 mm
stroke	150 mm	150 mm
motor power	1,5 kW	3 kW
dimensions (L x D x H)	1.200 x 555090 x 1.250 mm	1.450 x 660 x 1.450 mm
weight	350 kg	620 kg
	HAKP 24	HAKP 48
EAN	4260364297645	4260364297652
Item No.	227 1024	227 1048

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

HWP 30 T / HWP E 30 T

UNIVERSAL HYDAULIC PRESSES



PIC.: HWP 30 T



PIC.: HWP E 30 T

HWP 30 T / HWP E 30 T

- » for all reparation and maintenance work, adjusting of axes, bearings, arbors, pressing of bearings, bolts and bushings, press and squeeze work
- » stable welding construction
- » robust frame with boring for the adjustment of the press table
- » exceedingly precise hydraulic made in Europe
- » pressure build-up through actuating the pump lever manually
- » with fixed chromed cylinder pistons
- » press pressure readable via manometer
- » with speeded up flow and automatic return of the piston

Description	HWP 30 T
cutting pressure	30 t
max. pressure	7,5 t
working stroke	200 mm
working range	500 mm
table size	300 x 200 mm
dimensions (L x D x H)	770 x 610 x 1.670 mm
weight	320 kg
	HWP 30 T
EAN	4260364294675
Item No.	225 9031

Description	HWP E 30 T
cutting pressure	30 t
max. pressure	7,5 t
working stroke	200 mm
working range	500 mm
table size	400 x 300 mm
motor power	400 V / 50 Hz / 3,0 kW
dimensions (L x D x H)	950 x 400 x 1.400 mm
weight	420 kg
	HWP E 30 T
EAN	4260364294682
Item No.	225 9030

E-HWP 500-10 / E-HWP 500-20 E-HWP 600-30

UNIVERSAL HYDRAULIC PRESSES



PIC.: E-HWP 500-10



PIC.: E-HWP 600-30

E-HWP - MODELS

For all repair and assembly work, straightening of axes, girders, shafts, pressing and unloading of bearings, bolts and bushes, crimping and crushing, stress tests and welding tests.

- » stable welded construction
- » robust frame with perforation for adjustment of the press table

Description	E-HWP 500-10	E-HWP 500-20	E-HWP 600-30
cutting pressure	10 t	20 t	30 t
max. pressure	244 bar	244 bar	244 bar
working stroke	180 mm	170 mm	180 mm
cylinder dimensions	80 mm	85 mm	90 mm
working width (B)	600 mm	500 mm	600 mm
working depth (C)	285 mm	120 mm	120 mm
dimensions (L x D x H)	705 x 500 x 920 mm	850 x 750 x 1.600 mm	1.000 x 650 x 1.870 mm
weight	125 kg	200 kg	200 kg
	E-HWP 500-10	E-HWP 500-20	E-HWP 600-30
EAN	4260364296778	4260364296785	4260364296792
Item No.	360 4601	360 4602	360 4603

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

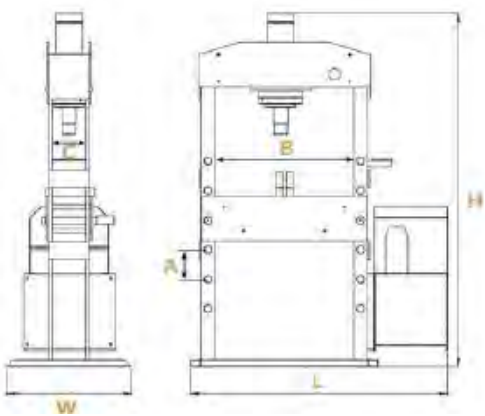
CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

DIMENSIONS OF THE FOLLOWING WORKSHOP PRESSES

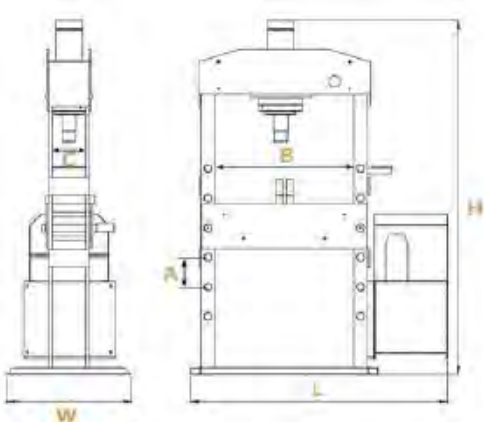
E-WP - MODELS



Description	E-WP 775-30	E-WP 1.040-60	E-WP 1.040-80	E-WP 1.070-100
A - hole distance	165 mm	165 mm	165 mm	190 mm
B - working surface	775 mm	1.040 mm	1.040 mm	1.070 mm
C - depth	190 mm	260 mm	260 mm	250 mm
L - length	1.500 mm	1.745 mm	1.810 mm	2.110 mm
W - depth	700 mm	700 mm	750 mm	1.000 mm
H - height	2.015 mm	2.100 mm	2.100 mm	2.290 mm

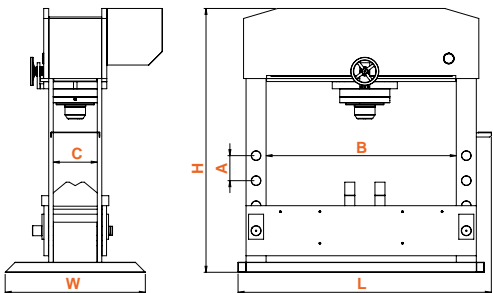
Description	E-WP 1.070-150	E-WP 1.570-100	E-WP 1.570-150	E-WP 1.570-200
A - hole distance	190 mm	190 mm	190 mm	250 mm
B - working surface	1.070 mm	1.570 mm	1.070 mm	1.570 mm
C - depth	290 mm	250 mm	290 mm	440 mm
L - length	2.110 mm	2.630 mm	2.630 mm	2.250 mm
W - depth	1.000 mm	1.000 mm	1.000 mm	1.165 mm
H - height	2.340 mm	2.290 mm	2.340 mm	2.860 mm

E-WPK - MODELS



Description	E-WPK 1.040-80	E-WPK 1.070-100	E-WPK 1.070-150	E-WPK 1.570-150
A - hole distance	165 mm	190 mm	190 mm	190 mm
B - working surface	1.040 mm	1.070 mm	1.070 mm	1.570 mm
C - depth	260 mm	315 mm	360 mm	360 mm
L - length	1.810 mm	2.110 mm	2.110 mm	2.630 mm
W - depth	750 mm	1.000 mm	1.000 mm	1.000 mm
H - height	2.100 mm	2.430 mm	2.480 mm	2.480 mm

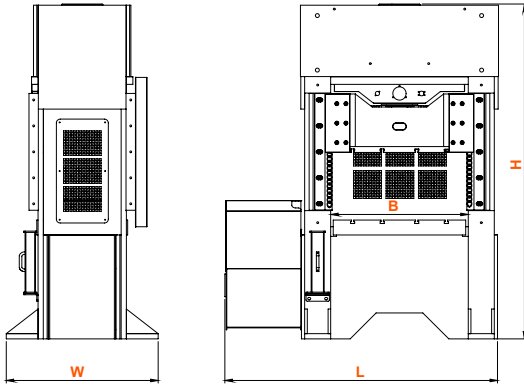
E-WPR - MODELS



Description	E-WPR 1.570-100	E-WPK 1.570-150	E-WPK 1.900-200
A - hole distance	190 mm	190 mm	250 mm
B - working surface	1.570 mm	1.570 mm	1.900 mm
C - depth	315 mm	360 mm	440 mm
L - length	2.630 mm	2.630 mm	2.570 mm
W - depth	1.000 mm	1.000 mm	1.665 mm
H - height	2.625 mm	2.625 mm	2.860 mm

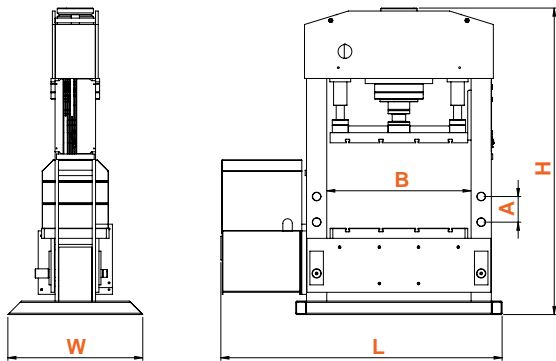
DIMENSIONS OF THE FOLLOWING WORKSHOP PRESSES

E-UWP - MODELS



Description	E-UWP 1.020-100	E-UWP 1.020-150	E-UWP 1.520-100	E-UWP 1.520-150
A - hole distance	190 mm	190 mm	190 mm	190 mm
B - working surface	1.020 mm	1.020 mm	1.520 mm	1.520 mm
L - length	2.110 mm	2.110 mm	2.630 mm	2.630 mm
W - depth	1.000 mm	1.000 mm	1.000 mm	1.000 mm
H - height	2.350 mm	2.450 mm	2.350 mm	2.450 mm

E-AP - MODELS



Description	E-AP 1.020-100	E-AP 1.020-150	E-AP 1.520-100	E-AP 1.520-150
A - hole distance	190 mm	190 mm	190 mm	190 mm
B - working surface	1.020 mm	1.020 mm	1.520 mm	1.520 mm
L - length	2.110 mm	2.110 mm	2.630 mm	2.630 mm
W - depth	1.000 mm	1.000 mm	1.000 mm	1.000 mm
H - height	2.275 mm	2.450 mm	2.275 mm	2.450 mm

E-WP - MODELS

UNIVERSAL HYDRAULIC WORKSHOP PRESSES

PREMIUM-LINE



PIC.: CYLINDER WITH TOOL

PIC.: E-WP 1.040-60

For technical data check page 247.

- | | |
|---|---|
| <p>E-WP - MODELS</p> <ul style="list-style-type: none"> » steel welded construction » easy handling » arbitrarily stop position » pressure display » safety valve against overload » table height is adjustable » table up and down device » control with special joystick | <p>OPTIONAL EQUIPMENT</p> <ul style="list-style-type: none"> » foot pedal |
|---|---|



PIC.: ADJUSTABLE HEIGHT



PIC.: MANOMETER-DISPLAY

E-WP - MODELS

TECHNICAL DATA

Description	E-WP 775-30	E-WP 1.040-60	E-WP 1.040-80	E-WP 1.070-100
cutting pressure	30 t	60 t	80 t	100 t
max. pressure	244 bar	236 bar	255 bar	263 bar
working stroke	200 mm	250 mm	250 mm	300 mm
cylinder dimensions	125 x 80 mm	180 x 120 mm	200 x 120 mm	220 x 160 mm
working speed	5 mm/sec	4 mm/sec	5 mm/sec	5 mm/sec
motor power	400 V / 50 Hz / 3 kW	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 5,5 kW
dimensions (L x D x H)	1.500 x 700 x 2.015 mm	1.745 x 700 x 2.100 mm	1.810 x 750 x 2.100 mm	2.110 x 1.000 x 2.290 mm
weight	400 kg	800 kg	835 kg	1.500 kg
	E-WP 775-30	E-WP 1.040-60	E-WP 1.040-80	E-WP 1.070-100
EAN	4260364294767	4260364294774	4260364294781	4260364294798
Item No.	360 4775	360 4104	360 4105	360 4107

Description	E-WP 1.070-150	E-WP 1.570-100	E-WP 1.570-150	E-WP 1.570-200
cutting pressure	150 t	100 t	150 t	200 t
max. pressure	244 bar	263 bar	244 bar	283 bar
working stroke	300 mm	300 mm	300 mm	300 mm
cylinder dimensions	280 x 200 mm	220 x 160 mm	280 x 200 mm	300 x 210 mm
working speed	5 mm/sec	5 mm/sec	5 mm/sec	5 mm/sec
motor power	400 V / 50 Hz / 11 kW	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 11 kW	400 V / 50 Hz / 15 kW
dimensions (L x D x H)	2.110 x 1.000 x 2.340 mm	2.630 x 1.000 x 2.430 mm	2.630 x 1.000 x 2.430 mm	2.250 x 1.165 x 2.860 mm
weight	1.870 kg	1.600 kg	2.100 kg	4.500 kg
	E-WP 1.070-150	E-WP 1.570-100	E-WP 1.570-150	E-WP 1.570-200
EAN	4260364294811	4260364804	4260364294828	4260364296808
Item No.	360 4108	360 4157	360 4158	360 4161

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

E-WPK - MODELS

UNIVERSAL HYDRAULIC WORKSHOP PRESSES

NEW

PREMIUM-LINE



PIC.: E-WPK 1.570-100

E-WPK - MODELS UNIVERSAL HYDRAULIC WORKSHOP PRESSES

- » steel welded construction
- » easy handling
- » arbitrarily stop position
- » pressure display
- » safety valve against overload
- » table height is adjustable
- » table up and down device
- » control with special joystick

OPTIONAL EQUIPMENT

- » two-hand-control
- » foot pedal

Description	E-WPK 1.070-100	E-WPK 1.070-150	E-WPK 1.570 - 100	E-WPK 1.570-150
cutting pressure	100 t	150 t	100 t	150 t
max. pressure	263 bar	244 bar	244 bar	244 bar
working stroke	300 mm	300 mm	300 mm	300 mm
cylinder dimensions	260 x 160 mm	280 x 200 mm	280 x 200 mm	280 x 200 mm
working speed	5 mm/sec	5 mm/sec	5 mm/sec	5 mm/sec
motor power	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 11 kW	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 11 kW
dimensions (L x D x H)	2.110 x 1.000 x 2.430 mm	2.110 x 1.000 x 2.480 mm	2.630 x 1.000 x 2.480 mm	2.630 x 1.000 x 2.480 mm
weight	1.500 kg	1.870 kg	1.980 kg	2.100 kg
	E-WPK 1.070-100	E-WPK 1.070-150	E-WPK 1.570-100	E-WPK 1.570-150
EAN	4260364296822	4260364296839	4260364298291	4260364296846
Item No.	360 4109	360 4110	360 4159	360 4160

E-WPR - MODELLE

UNIVERSAL HYDRAULIC WORKSHOP PRESSES

PREMIUM-LINE



PIC.: E-WPR 1.570-150

E-WPR - MODELS

UNIVERSAL HYDRAULIC WORKSHOP PRESSES

- » steel welded construction
- » easy handling
- » arbitrarily stop position
- » pressure display
- » safety valve against overload
- » table height is adjustable
- » table up and down device
- » control with special joystick
- » hydraulic cylinder laterally adjustable via handwheel

OPTIONAL EQUIPMENT

- » two-hand-control
- » foot pedal

Description	E-WPR 1.570-100	E-WPR 1.570-150	E-WPR 1.900-200
cutting pressure	100 t	150 t	200 t
max. pressure	263 bar	244 bar	283 bar
working stroke	300 mm	300 mm	300 mm
cylinder dimensions	220 x 160 mm	280 x 200 mm	300 x 210 mm
working speed	5 mm/sec	5 mm/sec	5 mm/sec
motor power	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 11 kW	400 V / 50 Hz / 15 kW
dimensions (L x D x H)	2.630 x 1.000 x 2.625 mm	2.630 x 1.000 x 2.350 mm	2.570 x 1.665 x 2.860 mm
weight	1.755 kg	2.350 kg	4.800 kg
	E-WPR 1.570-100	E-WPR 1.570-150	E-WPR 1.900-200
EAN	4260364294736	4260364294743	4260364294750
Item No.	360 3157	360 3158	360 3190

E-UWP 1.020-100 / E-UWP 1.020-150 E-UWP 1.520-100 / E-UWP 1.520-150 UNIVERSAL HYDRAULIC WORKSHOP PRESSES

PREMIUM-LINE



PIC.: E-UWP 1.020-150

E - UWP

- » adjustable table height
- » over and under table with T-slots
- » pressure steplessly adjustable
- » high-performance workshop molding press with additional guide pistons on both sides

OPTIONAL EQUIPMENT

- » foot pedal

Workshop press with T-slots on the table and upper beams for receiving tools, e.g. for the use as a troweling press

Description	E-UWP 1.020-100	E-UWP 1.020-150	E-UWP 1.520-100	E-UWP 1.520-150
cutting pressure	100 t	150 t	100 t	150 t
max. pressure	263 bar	244 bar	263 bar	244 bar
working stroke	300 mm	300 mm	300 mm	300 mm
working width	1.020 mm	1.020 mm	1.520 mm	1.520 mm
working speed	5 mm/sec	5 mm/sec	5 mm/sec	5 mm/sec
table size	500 x 1.020 mm	600 x 1.020 mm	500 x 1.520 mm	600 x 1.520 mm
motor power	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 11 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 11 kW
dimensions (L x D x H)	2.110 x 1.000 x 2.350 mm	2.110 x 1.000 x 2.450 mm	2.630 x 1.000 x 2.350 mm	2.630 x 1.000 x 2.450 mm
weight	1.985 kg	2.450 kg	2.500 kg	3.100 kg
	E-UWP 1.020-100	E-UWP 1.020-150	E-UWP 1.520-100	E-UWP 1.520-150
EAN	4260364294699	4260364294712	4260364294705	4260364294729
Item No.	360 1102	360 1103	360 1152	360 1153

E-AP 1.020-100 / E-AP 1.020-150 E-AP 1.520-100 / E-AP 1.520-150

UNIVERSAL HYDRAULIC PRESSBRAKES

PREMIUM-LINE



PIC.: E-AP 1.020-100



UNIVERSAL HYDRAULIC PRESSBRAKES

- » adjustable table height
- » over and under table with T-slots
- » pressure steplessly adjustable
- » under table steplessly adjustable
- » bottom die with quintuple prism
- » material up to 8 mm

Description	E-AP 1.020-100	E-AP 1.020-150	E-AP 1.520-100	E-AP 1.520-150
cutting pressure	100 t	150 t	100 t	150 t
max. pressure	263 bar	244 bar	263 bar	244 bar
working stroke	300 mm	300 mm	300 mm	300 mm
working width	1.020 mm	1.020 mm	1.520 mm	1.520 mm
working speed	5 mm/sec	5 mm/sec	5 mm/sec	5 mm/sec
table size	500 x 1.020 mm	600 x 1.020 mm	500 x 1.520 mm	600 x 1.520 mm
motor power	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 11 kW	400 V / 50 Hz / 7,5 kW	400 V / 50 Hz / 11 kW
dimensions (L x D x H)	2.110 x 1.000 x 2.275 mm	2.110 x 950 x 2.450 mm	2.630 x 1.000 x 2.275 mm	2.630 x 1.000 x 2.450 mm
weight	1.900 kg	2.400 kg	2.500 kg	3.100 kg
	E-AP 1.020-100	E-AP 1.020-150	E-AP 1.520-100	E-AP 1.520-150
EAN	4260364294835	4260364294859	4260364294842	4260364294866
Item No.	360 2102	360 2103	360 2152	360 2153

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

HYDRAULIC PRESS BRAKES

PREMIUM-LINE



PIC.: E-GBP 5.100-160

Heavy series for bending and edging sheet metal etc.

For technical data check page 253/254.

Powerful, universal press brakes for bending sheet metal round or sharp-edged to various angles. Different edging and inserting tools are available.

The stable machine frame made of high-quality steel with a large stand projection makes this press brake a cost-effective universal bending machine. Adjustable hydraulic pressure, mechanical parallelism as well as adjustable travel limiters ensure high repeatability.

The standard machine control system has been specially developed for sheet metal bending applications and fulfills all requirements for user-friendly bending control.

2-speeds of the press beam (start-up, pressing)

Standard-Equipment:

- » interchangeable lower and upper tools
- » rear stop 600 mm gauge with digital display, resolution 0.1 mm
- » triple foot pedal

For detailed illustrations check page 230.

Further machine sizes on request.

E-GBP - MODELS

PRESS BRAKES

PREMIUM-LINE



PIC.: E-GBP 2.550-120

TECHNICAL DATA

Description	E-GBP 1.070-40	E-GBP 1.600-60	E-GBP 2.050-90	E-GBP 2.550-90	E-GBP 2.550-120
cutting pressure	40 t	60 t	90 t	90 t	120 t
press brake width	1.250 mm	2.100 mm	2.600 mm	880 mm	890 mm
working speed	10 mm/s	10 mm/s	10 mm/s	3.100 mm	3.100 mm
working width inside	1.070 mm	1.600 mm	2.050 mm	410 mm	410 mm
total width	1.250 mm	2.100 mm	2.600 mm	2.550 mm	2.550 mm
motor	400 V / 50 Hz / 4 kW	400 V / 50 Hz / 5,5 kW	400 V / 50 Hz / 7,5 kW	7,5 kW	11 kW
dimensions (L x D x H)	1.750 x 1.600 x 2.450 mm	2.100 x 1.600 x 2.550 mm	3.100 x 1.600 x 2.620 mm	3.600 x 1.590 x 2.600 mm	3.600 x 1.590 x 2.910 mm
weight	3.300 kg	5.400 kg	7.100 kg	7.900 kg	8.400 kg
	E-GBP 1.070-40	E-GBP 1.600-60	E-GBP 2.050-90	E-GBP 2.550-90	E-GBP 2.550-120
EAN	4260364296853	4260364296860	4260364296877	4260364298833	4260364296884
Item No.	310 2107	310 2160	310 2205	310 2255	310 2256

Description	E-GBP 2.550-160	E-GBP 2.550-200	E-GBP 2.550-240	E-GBP 2.550-300	E-GBP 3.550-160
cutting pressure	160 t	200 t	240 t	300 t	160 t
press brake width	890 mm	880 mm	880 mm	905 mm	880 mm
working speed	3.100 mm	3.100 mm	3.100 mm	3.100 mm	4.100 mm
working width inside	410 mm	410 mm	410 mm	500 mm	410 mm
total width	2.550 mm	2.550 mm	2.550 mm	2.550 mm	3.550 mm
motor	15 kW	18,5 kW	22 kW	22 kW	15 kW
dimensions (L x D x H)	3.600 x 1.600 x 2.910 mm	3.600 x 1.600 x 2.910 mm	3.600 x 1.610 x 2.910 mm	3.600 x 1.815 x 3.150 mm	4.600 x 1.600 x 2.910 mm
weight	9.700 kg	10.000 kg	11.000 kg	15.000 kg	12.000 kg
	E-GBP 2.550-160	E-GBP 2.550-200	E-GBP 2.550-240	E-GBP 2.550-300	E-GBP 3.550-160
EAN	4260364298840	4260364298857	4260364298864	4260364299700	4260364298871
Item No.	310 2257	310 2558	310 2559	310 2560	310 2355

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

E-GBP - MODELS

PRESS BRAKES

TECHNICAL DATA

Description	E-GBP 3.550-200	E-GBP 3.550-240	E-GBP 3.550-300	E-GBP 3.550-440	E-GBP 5.100-240
cutting pressure	200 t	240 t	300 t	440 t	240 t
press brake width	880 mm	880 mm	980 mm	1.105 mm	1.100 mm
working speed	4.100 mm	4.100 mm	4.100 mm	4.100 mm	6.100 mm
working width inside	410 mm	410 mm	500 mm	500 mm	500 mm
total width	3.550 mm	3.550 mm	3.550 mm	3.550 mm	5.100 mm
motor	18,5 kW	22 kW	22 kW	30 kW	22 kW
dimensions (L x D x H)	4.600 x 1.600 x 2.910 mm	4.600 x 1.610 x 2.910 mm	4.600 x 1.820 x 3.150 mm	4.600 x 2.235 x 2.910 mm	6.600 x 1.960 x 2.910 mm
weight	12.500 kW	14.000 kg	18.500 kg	26.000 kg	25.000 kg
	E-GBP 3.550-200	E-GBP 3.550-240	E-GBP 3.550-300	E-GBP 3.550-440	E-GBP 5.100-240
EAN	4260364298888	4260364296914	4260364298895	4260364298901	4260364298918
Item No.	310 2356	310 2357	310 2358	310 2359	310 2511

Description	E-GBP 5.100-300	E-GBP 5.100-380	E-GBP 5.100-440	E-GBP 5.100-600	E-GBP 5.100-800
cutting pressure	300 t	380 t	440 t	600 t	800 t
press brake width	1.115 mm	1.100 mm	815 mm	1.050 mm	1.050 mm
working speed	6.100 mm	6.100 mm	6.100 mm	6.100 mm	6.100 mm
working width inside	500 mm	500 mm	500 mm	500 mm	750 mm
total width	5.100 mm	5.100 mm	5.100 mm	5.100 mm	5.100 mm
motor	22 kW	30 kW	30 kW	45 kW	45 kW
dimensions (L x D x H)	6.600 x 2.600 x 2.910 mm	6.600 x 2.210 x 3.200 mm	6.600 x 2.350 x 2.910 mm	6.600 x 2.450 x 2.910 mm	6.600 x ? x 4.750 mm
weight	30.000 kg	35.000 kg	39.000 kg	55.000 kg	70.000 kg
	E-GBP 5.100-300	E-GBP 5.100-380	E-GBP 5.100-440	E-GBP 5.100-600	E-GBP 5.100-800
EAN	4260364298925	4260364298932	4260364298949	4260364298956	4260364298963
Item No.	310 2512	310 2513	310 2514	310 2515	310 2516

Hydraulic Press Brakes



PIC.: WORKING AREA PRESS BRAKES
(GBP 2.550-120) WITH SPECIAL ACCESSORIES
QUICK-CHANGE HOLDERS AND
SHEET LIFTING HOLDER



PIC.: MONITOR FOR
PRESS BRAKES

The bending is one of the most frequently-used methods on sheet processing of the metal industry. However, the user needs a few data and numbers, including the stretching and the required pressing force, for correct binding. To calculate these figures, there is a software on the market.



Welding Positioner And Thread Cutting Machines

SP 300 SM / SP 30 M / SP 300 M

WELDING POSITIONER



PIC.: SP 300 SM



PIC.: SP 30 M



PIC.: SP 300 M

Welding Positioner

SP 300 SM / SP 30 M / SP 300 M

When welding, the position and accessibility of the part welded are important. Welding positioners and rotary welding tables are a great help here. Robust drive technology and stable construction ensure the positioning of the workpiece. Different sizes and designs are available.

Description	SP 300 SM	SP 30 M	SP 300 M
max. horizontal load	300 kg	30 kg	300 kg
max. vertical load	150 kg	20 kg	150 kg
table height	710 / 760 / 810 / 860 mm	370 mm	1.020 mm
table diameter	-	-	-
table speeds	-	-	-
table drive	manual	manual	manual
tilt angle	22,5° / 45° / 90°	-	-
angle adjustment	-	-	-
weight	86 kg	28 kg	135 kg

	SP 300 SM	SP 30 M	SP 300 M
EAN	4260364297584	4260364297591	4260364297607
Item No.	229 0001	229 0002	229 0003

SP 220 / SP 350 / SP 500

WELDING POSITIONER



PIC.: SP 350



PIC.: SP 500

SP 220 / SP 350 / SP 500

When welding, the position and accessibility of the part welded are important. Welding positioners and rotary welding tables are a great help here. Robust drive technology and stable construction ensure the positioning of the workpiece. Different sizes and designs are available.

Description	SP 220	SP 350	SP 500
max. horizontal load	220 kg	350 kg	500 kg
max. vertical load	100 kg	120 kg	250 kg
table height	450 mm	480 mm	660 mm
table diameter	330 mm	330 mm	550 mm
table speeds	0-5 min ⁻¹	0 - 5 min ⁻¹	0 - 5 min ⁻¹
table drive	125 W	125 W	400 W
tilt angle	0 - 135°	0 - 135°	-45° bis +90°
angle adjustment	Manual	Manual	electric
weight	34 kg	38 kg	220 kg
	SP 220	SP 350	SP 500
EAN	4260364297614	4260364297621	4260364297638
Item No.	229 1001	229 1002	229 1003

GSA-P 900-12 / GSA-P 900-12 HV
GSA-E 1.000-16 / GSA-E 1.000-16 HV
GSA-E 1.200-24 / GSA-E 1.200-24 HV

THREADING MACHINES



PIC.: GSA-P 900-12 WITH OPTIONAL CLAMPING TABLE



PIC.: GSA-E 1.200-24 WITH OPTIONAL CLAMPING TABLE

GSA-P 900-12 / GSA-P 900-12 HV / GSA-E 1.000-16 / GSA-E 1.000-16 HV / GSA-E 1.200-24 / GSA-E 1.200-24 HV

Thread cutting machines with universal swiveling articulated arm for fast and safe thread cutting at different positions. Simple operation by push button, optionally with touch panel. Available in different versions with pneumatic or electric drive, designed for the use of ISO holders for the taps.

Description	GSA-P 900-12	GSA-P 900-12 HV	GSA-E 1.000-16	GSA-E 1.000-16 HV	GSA-E 1.200-24	GSA-E 1.200-24 HV
cutting capacity	M3 - M12	M3 - M12	M3 - M16	M3 - M16	M6 - M24	M6 - M24
cutting direction	vertical	vertical and horizontal	vertical	vertical and horizontal	vertical	vertical and horizontal
speeds	max. 400 min ⁻¹	max. 400 min ⁻¹	max. 300 min ⁻¹	max. 300 min ⁻¹	max. 200 min ⁻¹	max. 200 min ⁻¹
boom radius	max. 900 mm	max. 900 mm	max. 1.000 mm	max. 1.000 mm	max. 1.200 mm	max. 1.200 mm
drive	pneumatic	pneumatic	electric	electric	electric	electric
weight	20 kg	21 kg	25 kg	26 kg	50 kg	52 kg
	GSA-P 900-12	GSA-P 900-12 HV	GSA-E 1.000-16	GSA-E 1.000-16 HV	GSA-E 1.200-24	GSA-E 1.200-24 HV
EAN	4260364297713	4260364297737	4260364297744	4260364297751	4260364297720	4260364297768
Item No.	215 0012	215 0112	215 1016	215 1116	215 1024	215 1124

Description	clamping table small	clamping table large
clamping area	800 x 500 mm	900 x 600 mm
for	GSA-P 900-12 GSA-P 900-12 HV GSA-E 1.000-16	GSA-E 1.000-16 HV GSA-E 1.200-24 GSA-E 1.200-24 HV
	clamping table small	clamping table large
EAN	4260364297867	4260364297874
Item No.	520 8050	520 9060

A mobile clamping table with cabinet door is optionally available for all models.

PIC.: CLAMPING TABLE



Equipment

MSE 75 / MSE 100 / MSE 125 / MSE 150

MACHINE VICES



PIC.: MSE 75 / MSE 100

MACHINE VICES WITH PRISMS

- » easy vices serie in high quality
- » smooth running with exact jaw guides, also at a high axial load
- » rolled trapezoidal spindle
- » smooth running
- » different possibilities of positioning long holes in the foot of the vice

Description	MSE 75	MSE 100	MSE 125	MSE 150
A	12,5	12,5	12,5	14,5
B	55	90	110	130
C	55	74	80	100
D	30	46	46	56
E	126	165	186	222
F	270	350	400	455
G	75	100	125	150
H	100	130	150	170
I	130	165	182	208
weight	1,7 kg	3,2 kg	4,5 kg	6,2 kg
EAN	4260364292664	4260364292671	4260364292688	4260364292695
Item No.	121 0075	121 0100	121 0125	121 0150

MSI 100 / MSI 140 / MSI 200

MACHINE VICES

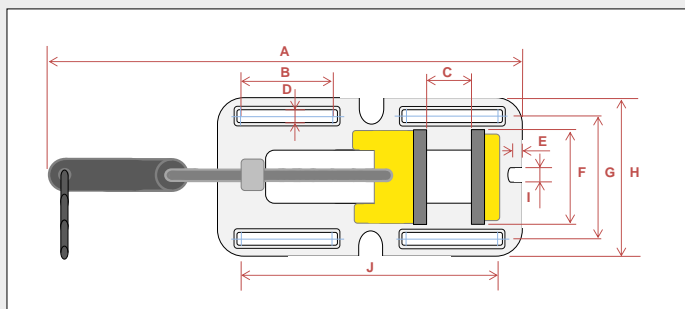


PIC.: MSI 100 / MSI 200

Description	MSI 100	MSI 140	MSI 200
A	350 - 460	455 - 610	578 - 788
B	88	105	163
C	110	150	200
D	12	14	16
E	19	23	28
F	100	140	200
G	136	189	250
H	170	230	290
I	12	14	14
J	216	290	406
weight	8,7 kg	18 kg	35 kg
EAN	4260364292701	4260364292718	4260364292725
Item No.	121 2100	121 2140	121 2200

MACHINE VICE

- » drill vices in industrial quality
- » manually trimmed bearing surfaces
- » high quality cast frame
- » stable and moveable jaw-thereby no tilting
- » replaceable prismatic jaws
- » different possibilities of positioning long holes in the foot of the vice



MS 100

MACHINE VICE



MS 100

- » changeable prismatic jaws
- » supplied with pin for powerful clamping
- » smooth running with exact jaw guides, also at a high axial load
- » multiple mounting and clamping facilities through slots in base

Description	MS 100
jaw width	100 mm
jaw open	105 mm
weight	4 kg
EAN	4260364292633
Item No.	120 0100

MS 125

MACHINE VICE



MS 125

- » changeable prismatic jaws
- » supplied with pin for powerful clamping
- » smooth running with exact jaw guides, also at a high axial load
- » multiple mounting and clamping facilities through slots in base

Description	MS 125
jaw width	125 mm
jaw open	125 mm
weight	10 kg
EAN	4260364292640
Item No.	120 0125

MSS 135
QUICK ACTION VICE



MSS 135
IDEAL FOR SERIAL PRODUCTION;
TENSIONS VIA HANDLEBAR ABOUT
ECCENTRIC LEVER
» changeable prismatic jaws
» quick release lock via the eccentric lever
» supplied with pin for powerful clamping
» multiple mounting and clamping facilities through
slots in base

Description	MSS 135
jaw width	135 mm
jaw open	145 mm
weight	15 kg
EAN	4260364292749
Item No.	120 1135

MSS 180
QUICK ACTION VICE



MSS 180
» changeable prismatic jaws
» supplied with pin for powerful clamping
» smooth running with exact jaw guides, also at a high
axial load
» multiple mounting and clamping facilities through
slots in base

Description	MSS 180
jaw width	180 mm
jaw open	260 mm
weight	32 kg
EAN	4260364292756
Item No.	120 1180

FS 16-100

MILLING VICE



FS 16-100

- » solid construction, swivel base is graduated through 360°
- » made of high-grade cast iron
- » clear readable scales
- » hardened and ground bearing surface
- » changeable, hardened and ground clamping jaws
- » absolutely solid fit of the workpart during treatment

Description	FS 16-100
jaw width	100 mm
jaw open	90 mm
jaw height	33 mm
dimensions (L x W x H)	360 x 230 x 120 mm
weight	16 kg
EAN	4260364292763
Item No.	520 3050

FS 16-160

MILLING VICE



FS 16-160

- » solid construction, swivel base is graduated through 360°
- » made of high-grade cast iron
- » clear readable scales
- » hardened and ground bearing surface
- » changeable, hardened and ground clamping jaws
- » absolutely solid fit of the workpart during treatment

Description	FS 16-160
jaw width	160 mm
jaw open	145 mm
jaw height	45 mm
dimensions (L x W x H)	530 x 260 x 155 mm
weight	39 kg
EAN	4260364292770
Item No.	520 3060

FS 16-200

MILLING VICE



FS 16-200

- » solid construction, swivel base is graduated through 360°
- » made of high-grade cast iron
- » clear readable scales
- » hardened and ground bearing surface
- » changeable, hardened and ground clamping jaws
- » absolutely solid fit of the workpart during treatment

Description	FS 16-200
jaw width	200 mm
jaw open	220 mm
jaw height	50 mm
dimensions (L x W x H)	550 x 350 x 180 mm
weight	54 kg
EAN	4260364292787
Item No.	520 3070

FMS 100 / FMS 125 / FMS 150

MILLING VICES

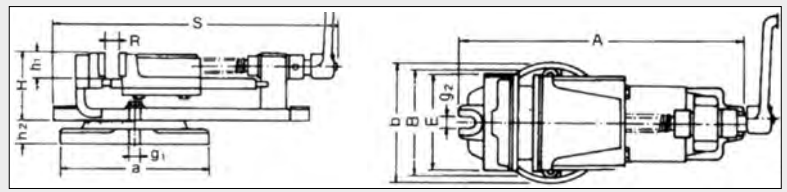


PIC.: FMS 100

Description	FMS 100	FMS 125	FMS 150
E	100	125	150
A	267	345	421
B	106	128	160
H	75	98	105
R	62	85	114
S	395	370	462
a	160	208	245
s	114	150	175
h1	30	37	40
h2	25	30	40
g1	13	12	16
g2	13	13	13
weight	11 kg	17 kg	28 kg
EAN	4260364292794	4260364292800	4260364292817
Item No.	521 0100	521 0125	521 0150

HIGH-PRECISION MILLING VICE

- » solid construction for drilling, milling, grinding
- » hardened and ground bearing surface
- » changeable, hardened and ground clamping jaws
- » made of high-grade cast iron
- » swivel base is graduated through 360°



FMSN 100 / FMSN 125 / FMSN 150

MILLING VICES

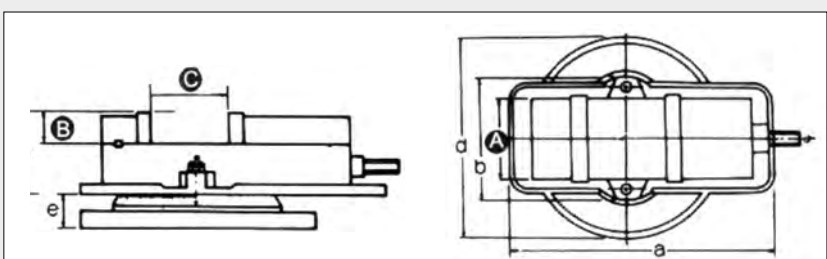


PIC.: FMSN 100

Description	FMSN 100	FMSN 125	FMSN 150
A	100	125	150
B	31	33	46
C	101	108	146
a	219	369	425
b	165	193	209
c	88	96	111
d	247	254	298
e	31	34	41
f	6	7	9
weight	18,8 kg	29 kg	36 kg
EAN	4260364292824	4260364292831	4260364292848
Item No.	521 1100	521 1125	521 1150

HIGH-PRECISION MILLING VICE

- » secure straining of the workpart
- » made of high-grade cast iron
- » hardened and ground bearing surface
- » changeable, hardened and ground clamping jaws
- » clamping jaws straining outwards by tramming
- » secured spindle
- » swivel base is graduated through 360°



UPS 100 UNIVERSAL MACHINE VICE



UPS 100

with 4 clamping surfaces

- » robust and solid construction
- » vice made of high quality cast iron
- » horizontal rotation of the jaws from 0° to 90° in each direction.
- » Turntable rotatable by 360°
- » ideal for clamping round material
- » horizontal and vertical

Description	UPS 100
jaw width	100 mm
jaw open	100 mm
jaw height	37 mm
dimensions (L x D x H)	355 x 162 x 118 mm
weight	22 kg
EAN	4260364296938
Item No.	520 4010

FS 3D-100 3D-MACHINE VICE



FS 3D-100

- » stable and solid construction
- » swivel and tilting vice
- » swivel base is graduated through 360°
- » changeable, hardened and ground clamping jaws
- » clear readable scales

Description	FS 3D-100
jaw width	100 mm
jaw open	105 mm
jaw height	40 mm
dimensions (L x D x H)	420 x 280 x 190 mm
weight	32 kg
EAN	4260364292862
Item No.	520 3310

AC 60 / AC 100 ANGLE MACHINE VICES



AC 60 / AC 100

IDEAL FOR WELDING

- » for welding of different material thickness in the right angle
- » different thick work parts can be clamped in the right angle by the pivoting axis

Description	AC 60	AC 100
jaw width	60 mm	100 mm
jaw open	60 mm	105 mm
jaw height	35 mm	60 mm
dimensions (L x D x H)	200 x 200 x 70 mm	300 x 300 x 100 mm
weight	4,8 kg	11 kg
EAN	4260364292879	4260364292886
Item No.	520 0006	520 0010

120 x 400 mm / 180 x 500 mm
180 x 700 mm / 210 x 730 mm

CROSS TABLES



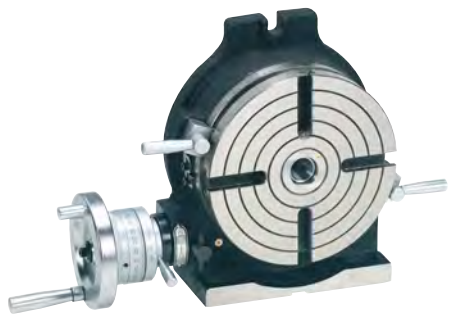
- » dovetail slideway adjustable
- » channeling for cooling liquid drain
- » adjustable fine scale of hand wheels with 0,05 mm disposition

TECHNICAL DATA

Description	120 x 400	180 x 500	180 x 700	210 x 730
length	506 mm	748 mm	945 mm	1.065 mm
depth	400 mm	483 mm	483 mm	555 mm
height	140 mm	148 mm	169 mm	200 mm
T-slot size	10 mm	12 mm	12 mm	14 mm
table (W x D)	120 x 400 mm	180 x 500 mm	180 x 700 mm	210 x 730 mm
table load max.	70 kg	120 kg	120 kg	150 kg
foot width	220 mm	274 mm	274 mm	280 mm
foot length	280 mm	340 mm	340 mm	362 mm
travelling X-axis	220 mm	287 mm	480 mm	480 mm
travelling Y-axis	165 mm	167 mm	170 mm	210 mm
distance mounting hole X-axis	210 mm	260 mm	250 mm	270 mm
distance mounting hole Y-axis	160 mm	220 mm	220 mm	300 mm
weight	25 kg	45 kg	52 kg	73 kg
EAN	4260364292893	4260364292909	4260364292916	4260364292923
Item No.	520 2120	520 2185	520 2187	520 2210

RTHV 150 / RTHV 200

ROTARY TABLES



- » applicable to milling- and drilling work on horizontal or vertical mills, drills
- » totally ground finish provides high precision and smooth rotation
- » worm gear ratio is 90:1
- » scale dividing through scale adjustable nonius
- » circumference of the table is scaled 360°
- » table plate can be mounted by two clamps
- » table plate made of high quality Meehanite cast iron
- » 1 Dial = 4° adjustment

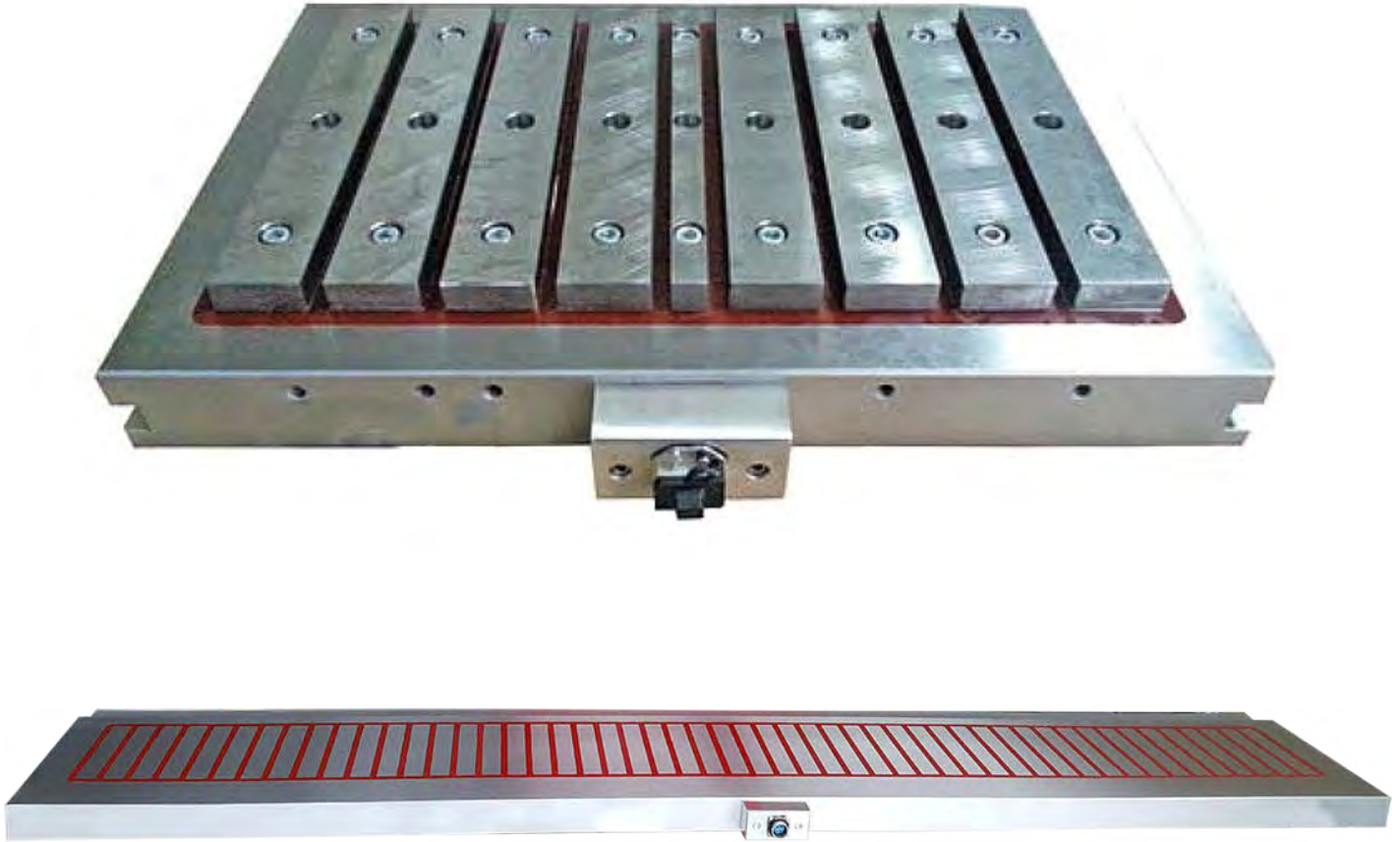
Description	RTHV 150	RTHV 200
table diameter	150 mm	200 mm
centre height	100 mm	135 mm
table height	80 mm	105 mm
centre sleeve	MT 2	MT 3
slot size	10 mm	12 mm
dimensions (L x D x H)	330 x 200 x 90 mm	400 x 275 x 110 mm
weight	14 kg	26 kg
EAN	4260364292930	4260364292947
Item No.	535 2150	535 2200

UNIVERSAL HORIZONTAL AND VERTICAL ROTARY TABLES

E-MSP M / E-MSP P / E-MSP U

MAGNETIC CLAMPING PLATES

PREMIUM-LINE



Powerful electromagnet clamping plates for use on flat grinding machines, milling machines, presses, injection molding machines and special machines.

The E-MSP P models are designed for professional use, the E-MSP U models for maximum holding power. The model E-MSP M2030 is suitable for medium-strong holding force or for parallel use of several magnetic plates. Please do not hesitate to ask if you have any questions.

TECHNICAL DATA

Description	Size (L x D x H) mm	holding force	Volt	EAN	Item No.
E-MSP M2030	300 x 200 x 68	3 t	230	4260364296945	630 0230
E-MSP P4045	450 x 400 x 68	15 t	230	4260364296952	630 1445
E-MSP P4065	650 x 400 x 68	19 t	230	4260364296969	630 1465
E-MSP P4080	800 x 400 x 68	25 t	230	4260364296976	630 1480
E-MSP P40100	1.000 x 400 x 68	36 t	230	4260364296983	630 1410
E-MSP P40120	1.200 x 400 x 68	42 t	230	4260364296990	630 1412
E-MSP U4040	400 x 400 x 58	16 t	230	4260364297003	630 2240
E-MSP U4060	600 x 400 x 58	20 t	230	4260364297010	630 2460
E-MSP U4080	800 x 400 x 58	27 t	230	4260364297027	630 2480
E-MSP U40100	1.000 x 400 x 58	38 t	230	4260364297034	630 2410

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING /
PRESSING

OTHER
MACHINES

ACCESSORIES

QUICK ACTION DRILL CHUCK / DRILL SET / MORSE TAPER DRILL SET



RÖHM-QUICK ACTION DRILL CHUCK

RÖHM -QUICK ACTION DRILL CHUCK
B 16 1-13 MM
B 16 3-16 MM



- » quality keyless drill chuck
- » universal service

Description	RÖHM 1-13 mm	RÖHM 3-16 mm
EAN	4260364293128	4260364293135
Item No.	510 3013	510 3016



THREADING ATTACHMENT

THREADING ATTACHMENT M3-M12

- » with taper MT 2
- » torque adjustable M3 - M12
- » integrated rapid reverse
- » quick action drill chuck for thread drill

Description	Threading Attachment
EAN	4260364293142
Item No.	510 3212



HSS DRILL SET

HSS DRILL SET

- 25 PCS. 1-13 MM ZYLINDRIC
- » HSS drill
 - » for steel, light metals, plastic and wood
 - » 0,5 mm increasing from 1-13 mm
 - » in practical sheet box

Description	HSS Drill Set
EAN	4260364293159
Item No.	510 9013



MORSE TAPER DRILL CASE 1

MORSE TAPER DRILL CASE 1

- 14,5 / 15 / 16 / 17 / 18 /
19 / 20 / 21 / 22 / 23 MM
- » HSS spiral drills
 - » 10 pcs.
 - » several drills equipped with MT 2

Description	Morse Taper Drill Case 1
EAN	4260364293166
Item No.	510 1423



MORSE TAPER DRILL CASE 2

MORSE TAPER DRILL CASE 2

- 14,5 / 16 / 18 / 20 / 22 /
24 / 26 / 28 / 30 MM
- » HSS spiral drills
 - » 9 pcs.
 - » 14, 5 - 22 mm drills equipped with MT 2
 - » 24 - 30 mm drills equipped with MT 3

Description	Morse Taper Drill Case 2
EAN	4260364293173
Item No.	510 1430

MORSE TAPERS / REDUCING SLEEVES EXTENSION SLEEVES / LIFE CENTER

MORSE TAPER / SLEEVES / LIFE CENTER

REDUCING SLEEVES



Description	EAN	Item No.
Reducing Sleeves MT 2 to MT 1	4260364293227	510 1021
Reducing Sleeves MT 3 to MT 2	4260364293234	510 1032
Reducing Sleeves MT 4 to MT 2	4260364293241	510 1042
Reducing Sleeves MT 4 to MT 3	4260364293258	510 1043
Reducing Sleeves MT 5 to MT 2	4260364293265	510 1052
Reducing Sleeves MT 5 to MT 3	4260364293272	510 1053
Reducing Sleeves MT 5 to MT 4	4260364293289	510 1054

EXTENSIONS SLEEVES



Description	EAN	Item No.
Extension Sleeves MT 2 to MT 3	4260364293296	510 1123
Extension Sleeves MT 3 to MT 4	4260364293302	510 1134

MORSE TAPERS



Description	EAN	Item No.
Morse Taper MT 2 B16	4260364293180	510 0216
Morse Taper MT 3 B16	4260364293197	510 0316
Morse Taper MT 4 B16	4260364293203	510 0416
Morse Taper MT 5 B16	4260364293210	510 0516

LIFE CENTER MT 2/3/4



Description	EAN	Item No.
Life Center MT 2	4260364293319	510 0517
Life Center MT 3	4260364293326	510 0518
Life Center MT 4	4260364293333	510 0519

REVOLVING CENTER WITH REPLACEMENT LATHE CENTERS



- » MT 2
- » 7 replaceable lathe centers
- » precision needle roller bearings ensures
- » supplied in a solid wooden box

Description	EAN	Item No.
revolving center with replacement lathe centers	4260364293340	510 0620

SPW 10 / SPW 12 / SPW 14

CLAMP KIT



CLAMP KIT SPW 10 52-PCS.

- » handy wall unit
- » metric threads
- » drawbar M 10
- » 24 pcs. studs 4 of each length
75 / 100 / 125 / 150 / 175 / 200 mm
- » 6 pcs. T-nuts 12 mm
- » 6 pcs. flanged nuts
- » 4 pcs. coupling nuts
- » 6 pcs. step clamps
- » 6 pcs. step blocks

Description	Clamp Kit SPW 10	Clamp Kit SPW 12	Clamp Kit SPW 14
EAN	4260364293425	4260364293432	4260364293449
Item No.	535 5210	535 5212	535 5214

PRECISION PARALLELS



PRECISION PARALLELS 28-PCS. OF HIGH QUALITY STEEL

- » set of 14 pairs in a box
- » made of high quality steel
- » supplied in wooden case
- » dimensions (L x W) 150 x 10
- » dimensions (H) 14 / 16 / 18 / 20 / 22
24 / 26 / 28 / 30 / 32 / 35 / 40 / 45 / 50 mm
- » fine ground to 0,01 mm accurately
- » for precision work for parallel holding fixture of
work parts in vices or marking plates

Description	Precision Parallels
EAN	4260364293357
Item No.	535 0028

COLLET CHUCKS AND COLLETS



COLLET CHUCK MK

- 15-PCS. IN PLASTIC CASE MT 2
- 15-PCS. IN PLASTIC CASE MT 3
- 15-PCS. IN PLASTIC CASE MT 4

COLLET CHUCK ISO

- 15-PCS. IN PLASTIC CASE ISO 30
- 15-PCS. IN PLASTIC CASE ISO 40

- » collet chuck
- » hook wrench
- » 15 collets: 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 16 / 18 / 20 / 25 mm

Description	MT 2	MT 3	MT 4	ISO 30	ISO 40
acceptance	MT 2	MT 3	MT 4	ISO 30	ISO 40
dimensions of the case (L x D x H)	350 x 270 x 100 mm	350 x 270 x 100 mm	350 x 270 x 100 mm	350 x 270 x 100 mm	350 x 270 x 100 mm
weight	5 kg	5 kg	5 kg	5 kg	5 kg
EAN	4260364293371	4260364293388	4260364293395	4260364293401	4260364293418
Item No.	535 3502	535 3503	535 3504	535 3530	535 3540

HSS MILLING CUTTERS



CONTENT

- 10 PCS - 2 cutting edges
 - » DIN 327 D, short type with 2 cutting edges
 - » For milling wedge / drill grooves, as well as cutouts from the workpiece center, vertical or lateral milling operations possible with cyl. shank and lateral driving surfaces DIN 1835 B
 - » size 3 / 4 / 5 / 6 / 8 / 10 / 12 / 14 / 18 / 20 mm
- 10 pieces - 4 cutting edges
 - » DIN 844 B, short type with 4 cutting edges
 - » with 30° right spiral; thats why you have a good chip removal
 - » front teeth center cutting
 - » for normal to solid materials with cyl. shank and lateral driving surfaces DIN 1835 B
 - » size 3 / 4 / 5 / 6 / 8 / 10 / 12 / 14 / 18 / 20 mm

HSS MILLING CUTTERS 20-PCS. TIN-COATED

- » vapourised titanium applied in reactive gas
- » higher hardness and stability of tool cutters
- » 2 - 5 times longer life
- » double cutting capacity
- » better work piece surface

Description	HSS Milling Cutters
EAN	4260364293364
Item No.	535 1020

QUICK CHANGE TOOL MULTIFIX TYPE A / B / C



QUICK CHANGE TOOL TYP MULTIFIX

- » multifix "Type A" for metal lathes MD 170, 250, 300
- » Multifix "Type B" for metal lathes MD 360, 420, 460
- » tool holder head and toolholders equipped with profile ground tothing
- » rigid clamping on large area provide vibration free operation
- » repeating accuracy 0,01 mm
- » 40 different angular positions
- » angle scale
- » adjust height cutting edge exactly and quickly

All prices without assembly
Adjustment and factory assembly according to effort

QUICK CHANGE TOOL TYP MULTIFIX

SCOPE OF DELIVERY

TYPE A :

- » 1 pcs. tool holder head "Type A"
- » 3 pcs. tool holders 20 x 90 mm for square tools
- » 1 pcs. tool holder 20 x 90 mm for round tools

TYPE B :

- » 1 pcs. tool holder head "Type B"
- » 3 pcs. tool holders 26 x 120 mm for square tools
- » 1 pcs. tool holder 26 x 120 mm for round tools

TYPE C :

- » 1 pcs. tool holder head "Type C"
- » 3 pcs. tool holders 32 x 150 mm for square tools
- » 1 pcs. tool holder 26 x 120 mm for round tools

Description	Multifix "Type A"	Multifix "Type B"	Multifix "Type C"
recommended turning diameter	150 - 300 mm	300 - 500 mm	400 - 700 mm
lathe tools	14 - 20 mm	20 - 25 mm	20 - 32 mm
EAN	4260364293494	4260364293500	4260364297058
Item No.	545 2201	545 2202	545 2203

JAW CHUCK

MANUFACTURER: BISON

3-JAW CHUCK

- » 3-jaw chuck with CAMLOCK short taper receptacle, chuck body made of high-quality cast iron with ground working and guide surfaces for permanent clamping and repeat accuracy
- » high concentricity accuracy
- » uniform clamping forces
- » also suitable for workpieces with specific
- » unbalance up to max. 25 mm/kg
- » hand-operated lathe chucks with spiral ring, centrally clamping
- » body made of high-quality cast iron
- » flat spiral ring, drop-forged, balanced and hardened
- » flanks of the spiral plane and jaws are ground
- » high concentricity, better than DIN 6386



SCOPE OF DELIVERY

- » Chuck key
- » hard one-piece internal clamping jaws
- » hard one-piece external clamping jaws

**Additional clamping jaws as well as base and top jaws on request.
When ordering additional jaws, complete type description of the lathe chuck is required.**

Description 3-jaw chuck	BiS-3 100/3	BiS-3 125/4	BiS-3 160/5	BiS-3 200/5
diameter	100 mm	125 mm	160 mm	200 mm
cone	3	4	5	5
bore	20 mm	32 mm	42 mm	55 mm
chuck width	50 mm	59,5 mm	68 mm	78 mm
weight	2,8 kg	5 kg	9 kg	19 kg
EAN	4260364298970	4260364298987	4260364298994	4260364299007
Item No.	546 1003	546 1254	546 1605	546 2005

Description 3-jaw chuck	BiS-3 200/6	BiS-3 250/6	BiS-3 315/7	BiS-3 315/8
diameter	200 mm	250 mm	315 mm	315 mm
cone	6	6	7	8
bore	55 mm	76 mm	103 mm	103 mm
chuck width	91 mm	103,5 mm	117,7mm	117,7 mm
weight	19 kg	17 kg	21,5 kg	21,5 kg
EAN	4260364299014	4260364299021	4260364299038	4260364299045
Item No.	546 2006	546 2506	546 3157	546 3158

JAW CHUCK

MANUFACTURER: BISON

4 - JAW CHUCK

- » 4-jaw chuck with CAMLOCK short taper receptacle, chuck body made of high-quality cast iron with ground working and guide surfaces for permanent clamping and repeat accuracy
- » high concentricity accuracy
- » uniform clamping forces
- » also suitable for workpieces with specific
- » unbalance up to max. 25 mm/kg
- » hand-operated lathe chucks with spiral ring, centrally clamping
- » body made of high-quality cast iron
- » flat spiral ring, drop-forged, balanced and hardened
- » flanks of the spiral plane and jaws are ground
- » high concentricity, better than DIN 6386



SCOPE OF DELIVERY

- » Chuck key
- » hard one-piece internal clamping jaws
- » hard one-piece external clamping jaws

**Additional clamping jaws as well as base and top jaws on request.
When ordering additional jaws, complete type description of the lathe chuck is required.**

Description 4-jaw chuck	BiS-4 125/4	BiS-4 160/4	BiS-4 160/5	BiS-4 200/4	BiS-4 200/5
diameter	125 mm	160 mm	160 mm	200 mm	200 mm
cone	4	4	5	4	5
bore	32 mm	42 mm	42 mm	55 mm	55 mm
chuck width	56 mm	81,5 mm	81,5 mm	91 mm	91 mm
weight	5 kg	10 kg	10 kg	13 kg	13 kg
EAN	4260364299052	4260364299069	4260364299076	4260364299083	4260364299090
Item No.	546 1254	546 1604	546 1605	546 2004	546 2005

Description 4-jaw chuck	BiS-4 200/6	BiS-4 250/6	BiS-4 250/8	BiS-4 315/6	BiS-4 400/8
diameter	200 mm	250 mm	250 mm	315 mm	400 mm
cone	6	6	8	6	8
bore	55 mm	76 mm	76 mm	103 mm	136 mm
chuck width	91 mm	103,5 mm	103,5 mm	117,7 mm	128,5 mm
weight	13 kg	17,5 kg	17,5 kg	21,5 kg	27 kg
EAN	4260364299106	4260364299113	4260364299120	4260364299137	4260364299144
Item No.	546 2006	546 2506	546 2508	546 3156	546 4008

TURNING TOOL 6-PCS. + 7-PCS. HM-TURNING PLATES

TURNING TOOL / HM-TURNING PLATES



TURNING TOOL
6-PCS. 10 MM / 6-PCS. 12 MM
CONSISTS OF 6-PCS. CUTTING TOOLS
10 MM OR 12 MM

- » 2 left roughing tools
- » right roughing tool
- » recessing tool 30°
- » recessing tool 80°
- » lathe tools
- » supplied in a solid box

Description	Turning Tool	Turning Tool
Completion	10 MM	12 MM
EAN	4260364293517	4260364293524
Item No.	545 0210	545 0212



TURNING TOOLS WITH CUTTING TOOLS FOR INTERNAL AND EXTERNAL
6-PCS. 10 MM / 6-PCS. 12 MM

- » 2 boring tools 55° and 60°
- » 2 external tools 55° and 60°
- » 1 boring tool
- » 1 external tool right
- » supplied in a solid box

Description	10 mm	12 mm
EAN	4260364293531	4260364293548
Item No.	545 1210	545 1212



TURNING TOOL HM IN SOLID PLSTIC BOX

- » suitable for turning plates with HM inserts
- » cutting tool 1 SCLCL
- » cutting tool 2 SCSCR
- » cutting tool 3 SCBCR
- » cutting tool 4 SCKCR
- » cutting tool 5 SCMCN
- » cutting tool 6 SCLCR
- » cutting tool 7 SOØ SCLCR

Description	12 mm	16 mm
EAN	4260364293555	4260364293562
Item No.	545 2212	545 2216



HM-TURNING PLATES
» Suitable for turning plates with HM inserts

Description	HM-Turning Plates
EAN	4260364293579
Item No.	545 1116

STANDS



UNIVERSAL STAND

- » suitable stand for milling and drilling machines
- » with centre console
- » disc with cooling liquid drain

Description	Universal Stand (BFM 45)
dimensions (L x D x H)	780 x 580 x 630 mm
weight	22 kg
EAN	4260364293067
Item No.	535 1035



Description	Stand for TU 1803 Vario
dimensions (L x D x H)	840 x 420 x 760 mm
weight	42 kg
EAN	4260364297065
Item No.	546 1180



Description	Stand for BFM 20 Vario / 20 L Vario	Stand for BFM 35 Vario
dimensions (L x D x H)	340 x 420 x 800 mm	375 x 540 x 800 mm
weight	35 kg	37 kg
EAN	4260364293104	4260364293111
Item No.	535 0020	535 0035



Description	Stand for TU 2004 Vario	Stand for TU 2406 Vario	Stand for TU 2506 Vario	Stand for TU 2807 Vario	Stand for TU 3018 Vario
dimensions (L x D x H)	960 x 420 x 760 mm	960 x 420 x 760 mm	1.100 x 420 x 760 mm	1.250 x 440 x 760 mm	1.250 x 460 x 760 mm
weight	48 kg	48 kg	50 kg	52 kg	54 kg
EAN	4260364297515	4260364297522	4260364297539	42603642937546	42603642937553
Item No.	546 0204	546 0246	546 0256	546 0287	545 0318

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

MACHINE FEET
 SMALL / MEDIUM / LARGE



MACHINE FEET
 LEVELLING OSCILLATING ELEMENT

- » oscillating isolated
- » without ankering
- » height adjustable

Description	small	medium	large
diameter	80 mm	120 mm	160 mm
height	30 mm	30 mm	40 mm
threading	M10	M12	M16
weight	0,3 kg	1 kg	2 kg
EAN	4260364293036	4260364293043	4260364293050
Item No.	545 2501	545 2502	545 2503

RB 290 / RB 1.100
 ROLLER BLOCK



PIC.: RB 290

PIC.: RB 1.100

Description	RB 290	RB 1.100
height of stand	575 - 900 mm	620 - 1.000 mm
width of rollers	290 mm	350 mm
max. load	150 kg	300 kg
weight	6 kg	23 kg
EAN	4260364292954	4260364292961
Item No.	530 1115	530 1100

RB 290 / RB 1.100
 ROLLER BLOCK

- » stepless adjustable

MR 4 / MR 7

ROLLER STANDS / ANSCHLAG- UND MESSSYSTEM

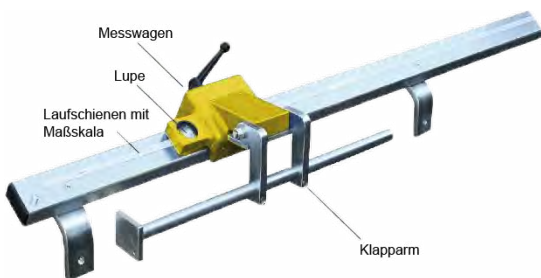


ROLLER STAND

Height adjustable material pedestal for material depot and material feeding of work parts at metal saws.

- » handling system for plating of long and heavy work parts
- » applicable for metal band saws, circular saw benches etc.
- » roller stand with stepless height adjustment and arrest
- » safe and heavy - duty workpiece support via robust, pressure resistant steel reel
- » optional PVC coated reels mountable
- » massive construction made of multiple edged special profile
- » interminable prolongable

Description	MR 4	MR 7
carrying roller diameter	60 mm	60 mm
carrying roller width	360 mm	360 mm
load	500 kg	700 kg
height adjustment	650 - 950 mm	650 - 950 mm
dimensions (L x D x H)	1.000 x 440 x 650 - 950 mm	2.000 x 440 x 650 - 950 mm
weight	30 kg	58 kg
EAN	4260364292978	4260364292985
Item No.	231 2004	231 2007



Our stop and measuring system serves as a simple supplement to a wide range of roller conveyors. The system consists of a very stable running rail (60 x 30 x 3 mm), which is screwed to a roller conveyor of suitable length. Mounting brackets are included in the scope of delivery. The rail is connected to an easy-running, ball-bearing mounted measuring carriage, which is also equipped with a ball-bearing mounted folding arm. The complete system is extremely robust and designed for a long service life in rough workshop conditions.

Description	MAS 2.000	MAS 3.000	MAS 4.000	MAS 5.700
rail	2.280 mm	3.280 mm	4.280 mm	6.000 mm
fixing brackets	3	4	5	7
measuring length	2.000 mm	3.000 mm	4.000 mm	5.700 mm
EAN	4260364297812	4260364297829	4260364297836	4260364297843
Item No.	531 0080	531 0120	531 0160	531 0240

Self-sealing magnetic tape measure with scanning head and 1-axis digital readout system is optionally available instead of steel tape measure and reading optics.

AR 3.000

ROLLER STAND WITH DRIVE AND MEASURING SYSTEM

NEW

PREMIUM-LINE



Descriptions	AR 3.000
dimensions (L x D x H)	3.719 x 885 x 1.670 mm
weight	
EAN	4260364298468
Item No.	531 0030

AR 3.000

Automatic roller stand with servo drive, integrated length measuring system and automatic positioning. Feed path and number of steps programmable. Touch-screen control with colour display.

BR 3.000 / BR 4.500 / BR 6.000

ROLLER STANDS FOR ALUMINUM CIRCULAR SAWING MACHINES



Description	BR 3.000	BR 4.500	BR 6.000
material support length	2.750 mm	4.250 mm	5.750 mm
feed	134 mm/sec	134 mm/sec	134 mm/sec
dimensions (L x D x H)	2.980 x 640 x 1.200 mm	4.500 x 640 x 1.200 mm	5.980 x 640 x 1.200mm
weight	120 kg	160 kg	210 kg
EAN	4260364298475	4260364298482	4260364298499
Item No.	531 4030	531 4045	531 4060

UNIVERSAL COOLING DEVICE



UNIVERSAL COOLANT DEVICE BACKFITTING PUMP FOR SELF-INSTALLATION

- » pump with tank
- » flexible coolant hose made of plastic
- » cut off cock
- » assembly small components

Description	Coolant Device	Coolant Device
tank capacity	10 l	10 l
pumping capacity	12 l/min	12 l/min
voltage	230 V / 50 Hz	400 V / 50 Hz
dimensions (L x D x H)	360 x 250 x 300 mm	360 x 250 x 300 mm
weight	7 kg	7 kg
EAN	On request	4260364292992
Item No.	On request	535 3040

MICRO SPRAYING DEVICE



MICRO SPRAYING DEVICE BACKFITTING SET FOR SELF-INSTALLATION

- » shut-off choke (stepless adjustable)
- » flexible plastig coolant hose
- » PVC-air-hose (min. 2 bar required)
- » easy construction

TECHNICAL DATA

- » flow rate 0,1 - 30 ml/min
- » fogging by compressed air
- » spray area tapered 10° to 30°
(dependent on air pressure)

Description	Micro Spraying Device
spray power	0,1 - 30 ml/min
air connection	min. 2 bar
weight	0,4 kg
EAN	4260364297102
Item No.	535 3050

This unit requires a compressed air supply, 4 - 6 bar.
The compressed air supply is not included in the scope
of delivery. Coolant concentrate on request.

COOLING LIQUID



COOLANT EMULSION 5 / 20 LITER ORGANICALLY DEGRADABLE

- » protects against rust
- » organically degradable
- » ratio of mixture 1:20
- » tank content yields 100 l of coolant emulsion

Description	Coolant Emulsion	Coolant Emulsion
case content	5 ltr	20 ltr
dimensions (L x D x H)	180 x 140 x 250 mm	ca 290 x 259 x 386 mm
weight	5 kg	20 kg
EAN	4260364293005	4260364291094
Item No.	580 1030	580 1031

GEARBOX OIL AR 150



GEARBOX OIL AR 150

- » universal industrial gear oil
- » produced by high-quality base oils and modern sulphur-phosphor-additives
- » protects against rust even in contact with salt water
- » wear protection in the toughest conditions

DIN 51517	Flashpoint 246 °C
CLP 150	Pourpoint -24 °C
Kin. Viskosity 40°C, 155 m/s	Viskosityindex 94

Description	Gearbox oil AR 150
case content	5 ltr
dimensions (L x D x H)	180 x 140 x 250 mm
weight	5 kg
EAN	4260364297119
Item No.	580 1150

MACHINE LIGHT (LED)

FIX



FIXED LED MACHINE LIGHT

- » with magnetic stand or required stand plate
- » integrated transformer
- » 12 V LED bulb
- » stable aluminium lighting head, dust- and water protected, oil-resistant

Description	Lamp (fixed)
voltage	230 V
illuminant	12 V
EAN	4260364293012
Item No.	535 5030


SAW BLADES FOR METAL CIRCULAR SAWS

GRINDING BELTS FOR BSM


SAW BLADES / GRINDING BELTS




SAW BLADES FOR KKS

	Description	EAN	Item No.
	HSS saw blade, standard 315 x 2,5 x 40 mm 200 Hz	4260364293586	530 0315
	HSS/ DMo5 saw blade, steam treatment, Standard 315 x 2,5 x 40 mm 200 Hz	4260364293593	530 0320
	HSS/ E - saw blade, steam treatment, Standard 315 x 2,5 x 40 mm 200 Hz	4260364293609	530 0325
	HSS/ DMo5 - saw blade, steam treatment, Standard 315 x 3,0 x 40 mm 200 Hz	4260364293616	530 0330
	HSS/ E - saw blade, steam treatment, Standard 315 x 3,0 x 40 mm 200 Hz	4260364293623	530 0335

GRINDING BELTS FOR BSM MINIMUM PURCHASE 5 PCS.

	Description	EAN	Item No.
	grinding belt for TBSM 100-2 dim.: 100 x 1.220 mm K 40	4260364299717	525 1240
	grinding belt for TBSM 100-2 dim.: 100 x 1.220 mm K 80	4260364299724	525 1280
	grinding belt for KRBS 100 dim.: 100 x 2.000 mm K 100	4260364293715	525 5100
	grinding belt for KRBS 100 dim.: 100 x 2.000 mm K 80	4260364293722	525 5080
	grinding belt for KRBS 100 dim.: 100 x 2.000 mm K 60	4260364293739	525 5060
	grinding belt for KRBS 100 dim.: 100 x 2.000 mm K 40	4260364293746	525 5040
	grinding belt for BSM 75 dim.: 75 x 2.000 mm K 100	4260364293678	525 1100
	grinding belt for BSM 75 dim.: 75 x 2.000 mm K 80	4260364293685	525 1080
	grinding belt for BSM 75 dim.: 75 x 2.000 mm K 60	4260364293692	525 1060
	grinding belt for BSM 75 dim.: 75 x 2.000 mm K 40	4260364293708	525 1040
	grinding belt for BSM 150 dim.: 150 x 2.000 mm K 100	4260364293630	525 2100
	grinding belt for BSM 150 dim.: 150 x 2.000 mm K 80	4260364293647	525 2080
	grinding belt for BSM 150 dim.: 150 x 2.000 mm K 60	4260364293654	525 2060
	grinding belt for BSM 150 dim.: 150 x 2.000 mm K 40	4260364293661	525 2040
	grinding belt for BSM 220 dim.: 220 x 2.000 mm K 100	On request	On request

PROMOTION ITEMS

	Description	EM-Cap	EM-Clock
	EAN	4260364293753	4260364293760
	Item No.	999 1001	999 1002

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

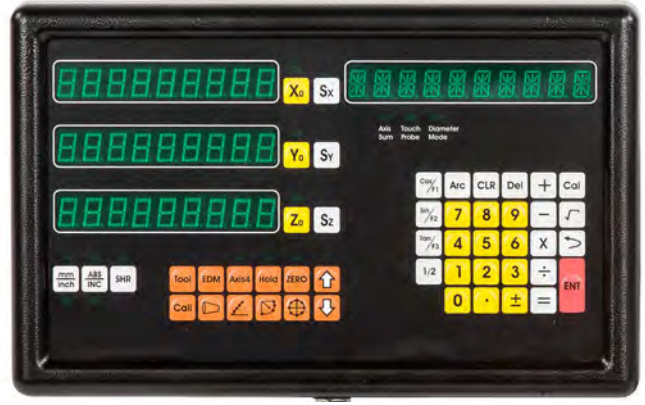
DIGITAL MEASURING SYSTEM

PROFESSIONAL EQUIPMENT FOR INDUSTRIAL USE AT SMALL PRICE

PREMIUM-LINE



PIC.: MONITOR WITH LED DISPLAY



PIC.: STANDARD MONITOR (3-AXIS)

With the high-quality PREMIUM-LINE digital measuring system the handling of conventional machine tools becomes faster, safer and significantly easier. PREMIUM-LINE digital measuring systems are applicable for milling machines, lathes, drilling machines, machines for sheet metal workings, special machines etc. that are equipped with straight-line movements and everywhere where straight-line movements have to be measured e.g. feed devices.

New model with LCD color display, for 2 - 4 measuring rulers, including angle measurement, 7 languages possible: German, English, French, Dutch, Spanish, Portuguese and Turkish

Description	EAN	Item No.
Indicator for one axis	4260364295658	610 0001
Indicator for one axis without keyboard	4260364299731	610 1001
Indicator for two axis	4260364295474	610 0002
Indicator for three or 2 + 1 (e.g. Turning machine) axis	4260364295481	610 0003
Indicator for four or 3 + 1 (e.g. Drilling machine) axis	4260364295498	610 0004
EM PREMIUM-LINE for 1-4-axis	4260364297126	611 0001

Easy to install magnetic measuring tapes on aluminum strip in different measuring lengths with 3.5 m metal covered cable to display device incl. assembled connector.

Description	EAN	Item No.
aluminium moulding incl. magnetic tape and reading head 500 mm	4260364297249	610 3050
aluminium moulding incl. magnetic tape and reading head 1.000 mm	4260364297256	610 3100
aluminium moulding incl. magnetic tape and reading head 2.000 mm	4260364297263	610 3200

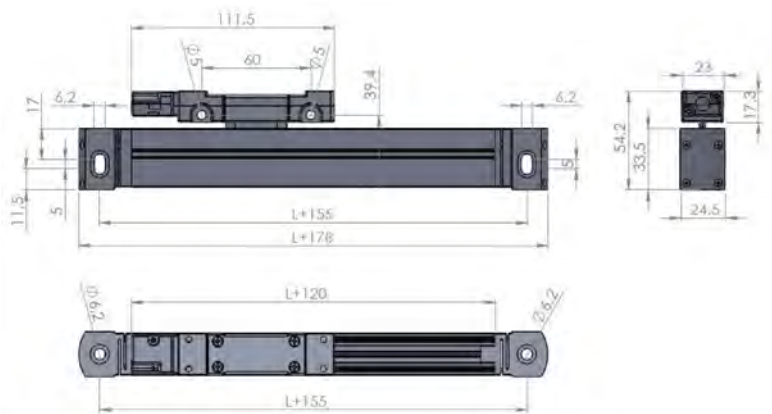
LINEAR MEASURING SYSTEM



PREMIUM-LINE

PIC.: CAPSULED MEASURING ROD WITH CONNECTION CABLE, PLUG AND METAL SPIRAL SHEATHING

Open low-cost systems for simple applications on request.



Rulers	EAN	Item No.
EM ruler 100 mm	4260364297164	610 1010
EM ruler 150 mm	4260364297171	610 1015
EM ruler 200 mm	4260364297188	610 1020
EM ruler 250 mm	4260364297195	610 1025
EM ruler 300 mm	4260364297201	610 1030
EM ruler 400 mm	4260364295511	610 1040
EM ruler 500 mm	4260364295528	610 1050
EM ruler 600 mm	4260364295535	610 1060
EM ruler 700 mm	4260364295542	610 1070
EM ruler 800 mm	4260364295559	610 1080
EM ruler 900 mm	4260364295566	610 1090
EM ruler 1.000 mm	4260364295573	610 1100
EM ruler 1.200 mm	4260364295580	610 1120
EM ruler 1.350 mm	4260364295597	610 1135
EM ruler 1.500 mm	4260364295603	610 1150
EM ruler 1.750 mm	4260364295610	610 1175
EM ruler 2.000 mm	4260364295627	610 1200
EM ruler 2.500 mm	4260364295634	610 1250
EM ruler 3.000 mm	4260364295641	610 1300

We recommend capsuled mini measuring rods for narrow installation possibilities or small machines.

Description	EAN	Item No.
EM Mini-ruler 50 mm	4260364297133	610 2005
EM Mini-ruler 100 mm	4260364297140	610 2010
EM Mini-ruler 150 mm	4260364297157	610 2015

Our measuring rods are always supplied with the connection cable fitted.

DRILLING

MILLING

TURNING

SAWING

GRINDING

BENDING

CUTTING / PRESSING

OTHER MACHINES

ACCESSORIES

SPECIAL SALE

2ND CHOICE MACHINES, MACHINES WITH TRANSPORT DAMAGES,
SAMPLE MACHINES, USED MACHINES

As special sale we offer 2nd choice machines, machines with transport damages, sample machines and used machines.

The machines of the special sale are tested for function exactly like regular catalogue goods. Refurbishment of purely optical points is not planned, but is taken into account in price reduction.

Due to additions and disposals the stock of the special sale changes almost daily, we recommend to ask for the current status in case of a concrete interest.

In our special sale you will find machines as good as new which are not listed in our catalogue, e.g. sample machines from exhibitions and fairs. These machines have partial paint damages or other minimal optical defects e.g. by transport.

There are also machines with traces of use, e.g. demonstration machines leasing returns, etc.

Visit our special sale on our homepage under: <http://www.epple.com/aktionen/sonderverkauf.html>

Special Sale / Leasing

Deutsch

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Maschinen

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Alle Maschinen werden selbstverständlich in unserer Servicewerkstatt gewartet und geprüft.

Bei Interesse setzen Sie sich bitte direkt mit uns in Verbindung:

E-Mail: info@epple.com
Telefon <+49> 07335 9243 - 0

Sonderverkaufsmaschinen

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The specifications for the precision of the products can be found in the technical data on the catalog pages. If no data can be found here, please contact us. The specified precisions are achieved under standard conditions (proper installation of the machines and ambient temperatures of 20 ° C). Machines which are not titled PREMIUM or HIGHLINE are assigned to the standard program. Machines of the standard program are not designed for continuous operation as they are subject to a special price / performance level. All machines have to be operated basically only by suitable and instructed personnel.

Electrically operated machines must be connected by an electrician or an electrically qualified person. Machines with frequency inverters or inverted rectifiers should not be operated via connection plugs, but should be connected directly to the power supply system of the building electricians. In the presence of earth leakage circuit breakers in the building electrical system, type B all-current-sensitive earth leakage circuit breakers are recommended. Alternating current-sensitive earth leakage circuit breakers of the type AC (alternating current only) are not suitable for frequency converters.

LEASING IS SIMPLE



Already from € 2.000,- Epple Maschinen[®] can be financed by leasing.

Advantages of leasing:

- **Liquidity**
 You **save** your equity, your liquid funds and the credit line at your house bank. In contrast to the purchase, leasing does not lead to an immediate debit of liquidity at the time of investment.
- **Fixed constant costs**
 The leasing down payments are fixed and therefore offer you a **secure calculation basis**.
- **Cost expenditure**
 Leasing fulfils the "pay-us-you-earn" condition; if the machine is used appropriately, it pays for itself through monthly income.
- **Balancing**
 Leasing is **balance sheet neutral**, i.e. your balance sheet ratios do not change.
- **Taxes**
 There are no investment-related taxes.
- **Utilisation**
 You have **unrestricted right to use** the machine.
- Warranty services remain fully valid.

Your personal leasing offer is available on request.

SELECTING THE RIGHT SAW BANDS

SPECIAL SAW BANDS FOR OUR METAL BAND SAWS

TOOTH PITCH

variable tooth division	engagement length (mm)	
ZpZ	from	up to
10-14		30
8-12	20	50
6-10	25	60
5-8	35	80
4-6	50	100
4-5	70	120
3-4	80	150
2-3	120	350
1,4-2	250	600
1,0-1,4	400	1000
0,75-1,25	700	1400
0,7-1,0	900	3000

You may choose between constant and variable tooth pitch. Here the contact length of the blade in the work piece is decisive. Both tables left handed show the limit values.

Low-vibration and low noise sawing due to variable tooththing. Because of variable tooththing, larger material cross section are optimal covered.



Example: saw blade with variable tooth pitch

constant tooth division	engagement length (mm)	
ZpZ	from	up to
14		15
10	15	30
8	30	50
6	50	80
4	80	120
3	120	200



Example: saw blade with constant tooth pitch

SAWING TUBES AND PROFILES

S	external pipe diameter (mm) / tooth division Tz in ZpZ								
	20	40	60	80	100	120	150	200	300
2	14	14	14	14	14	14	10-14	10-14	8-12
3	14	14	10-14	10-14	10-14	10-14	8-12	8-12	6-10
4	14	14	10-14	10-14	8-12	8-12	8-12	8-12	5-8
5	14	10-14	10-14	10-14	8-12	8-12	8-12	6-10	5-8
6	14	10-14	10-14	8-12	8-12	8-12	8-12	5-8	5-8
8	14	10-14	8-12	8-12	8-12	6-10	6-10	5-8	4-6
10		8-12	6-10	6-10	6-10	5-8	5-8	4-6	4-6
12		8-12	6-10	6-10	5-8	5-8	4-6	4-6	4-6
15		8-12	6-10	5-8	5-8	4-6	4-6	4-6	3-4
20				5-8	4-6	4-6	4-6	3-4	3-4
30				4-6	4-6	4-6	3-4	3-4	3-4
50						3-4	3-4	3-4	2-3
75								2-3	2-3
100									2-3



BI-METALL COMBI

SAW BANDS

Description	Dimensions	EAN	Item No.
for BS 125 GS	1.440 x 13 x 0,65 mm 14 ZpZ Bi-Metall	4260364293814	533 1250
for BS 125 GS	1.440 x 13 x 0,65 mm 6-10 ZpZ Bi-Metall	4260364293821	533 1245
for BS 125 GS	1.440 x 13 x 0,65 mm 8-12 ZpZ Bi-Metall	4260364293838	531 1250
for BS 125 GS	1.440 x 13 x 0,65 mm 10-14 ZpZ Bi-Metall	4260364293845	532 1250
for BS 128 DG	1.638 x 13 x 0,65 mm 14 ZpZ Bi-Metall	4260364293852	532 2814
for BS 128 DG	1.638 x 13 x 0,65 mm 10-14 ZpZ Bi-Metall	4260364293869	533 2810
for BS 151 GS - old length	1.735 x 13 x 0,9 mm 14 ZpZ Bi-Metall	4260364293876	532 1514
for BS 151 GS - old length	1.735 x 13 x 0,9 mm 4 ZpZ Bi-Metall	4260364293883	533 1445
for BS 151 GS - new length	1.785 x 13 x 0,9 mm 4 ZpZ Bi-Metall	4260364293937	536 1503
for BS 151 GS - old length	1.735 x 13 x 0,9 mm 6 ZpZ Bi-Metall	4260364293890	533 1450
for BS 151 GS - new length	1.785 x 13 x 0,9 mm 6 ZpZ Bi-Metall	4260364293968	536 1506
for BS 151 GS - new length	1.785 x 13 x 0,9 mm 8-12 ZpZ Bi-Metall	4260364294088	536 1508
for BS 151 GS - old length	1.735 x 13 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364293920	533 1510
for BS 151 GS - new length	1.785 x 13 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364294170	536 1514
for BS 180 / BS 180 G	2.360 x 20 x 0,9 mm 8-12 ZpZ Bi-Metall	4260364293944	533 1812
for BS 180 / BS 180 G	2.360 x 20 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364293951	533 1810
for BS 210 - old length	2.085 x 20 x 0,9 mm 4 ZpZ Bi-Metall	4260364293975	533 1910
for BS 210 - old length	2.085 x 20 x 0,9 mm 4-6 ZpZ Bi-Metall	4260364293982	533 1920
for BS 210 - new length	2.110 x 20 x 0,9 mm 4-6 ZpZ Bi-Metall	4260364294217	536 1906
for BS 210 - old length	2.085 x 20 x 0,9 mm 6-10 ZpZ Bi-Metall	4260364293999	533 1930
for BS 210 - new length	2.110 x 20 x 0,9 mm 6-10 ZpZ Bi-Metall	4260364297270	536 1930
for BS 210 - old length	2.085 x 20 x 0,9 mm 8-12 ZpZ Bi-Metall	4260364294002	532 1710
for BS 210 - new length	2.110 x 20 x 0,9 mm 8-12 ZpZ Bi-Metall	4260364297287	536 1710
for BS 210 - old length	2.085 x 20 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364294019	533 1715
for BS 210 - new length	2.110 x 20 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364297294	536 1715
for BS 230 V	3.035 x 27 x 0,9 mm 4-6 ZpZ Bi-Metall	4260364294033	533 2304
for BS 230 V	3.035 x 27 x 0,9 mm 5-8 ZpZ Bi-Metall	4260364297317	533 2305
for BS 230 V	3.035 x 27 x 0,9 mm 6-10 ZpZ Bi-Metall	4260364297324	533 2306
for BS 230 V	3.035 x 27 x 0,9 mm 8-12 ZpZ Bi-Metall	4260364294026	533 2308
for BS 230 V	3.035 x 27 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364294040	533 2310
for BS 230 VG	3.230 x 27 x 0,9 mm 6-10 ZpZ Bi-Metall	4260364294057	531 2310
for BS 230 VG	3.230 x 27 x 0,9 mm 8-12 ZpZ Bi-Metall	4260364294064	532 2310
for BS 230 VG	3.230 x 27 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364294071	533 2300
for BS 275 / BS 280	2.480 x 27 x 0,9 mm 4-6 ZpZ Bi-Metall	4260364294095	533 2730
for BS 275 / BS 280	2.480 x 27 x 0,9 mm 5-8 ZpZ Bi-Metall	4260364294101	533 2758
for BS 275 / BS 280	2.480 x 27 x 0,9 mm 6-10 ZpZ Bi-Metall	4260364294118	533 2740
for BS 275 / BS 280	2.480 x 27 x 0,9 mm 8-12 ZpZ Bi-Metall	4260364294125	531 2708
for BS 275 / BS 280	2.480 x 27 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364294132	533 2710
for BS 279 G / GF	2.460 x 27 x 0,9 mm 8-12 ZpZ Bi-Metall	4260364294156	532 2610
for BS 279 G / GF	2.460 x 27 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364294163	533 2615
for BS 350 DG / DGH / DGHF	2.925 x 27 x 0,9 mm 2-3 ZpZ Bi-Metall	4260364294224	533 3500
for BS 350 DG / DGH / DGHF	2.925 x 27 x 0,9 mm 3-4 ZpZ Bi-Metall	4260364294231	533 3502
for BS 350 DG / DGH / DGHF	2.925 x 27 x 0,9 mm 4-6 ZpZ Bi-Metall	4260364294248	533 3504
for BS 350 DG / DGH / DGHF	2.925 x 27 x 0,9 mm 6-10 ZpZ Bi-Metall	4260364294255	531 3504
for BS 350 DG / DGH / DGHF	2.925 x 27 x 0,9 mm 8-12 ZpZ Bi-Metall	4260364294262	533 3512
for E-BS 230 DG / DGH / V	2.730 x 27 x 0,9 mm 4-6 ZpZ Bi-Metall	4260364295351	632 3006
for E-BS 230 DG / DGH / V	2.730 x 27 x 0,9 mm 6-10 ZpZ Bi-Metall	4260364295368	632 3010
for E-BS 230 DG / DGH / V	2.730 x 27 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364295375	632 3014
for E-BS 270 DG / DGH	3.160 x 27 x 0,9 mm 4-6 ZpZ Bi-Metall	4260364295382	632 7006
for E-BS 270 DG / DGH	3.160 x 27 x 0,9 mm 6-10 ZpZ Bi-Metall	4260364295399	632 7010
for E-BS 270 DG / DGH	3.160 x 27 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364295405	633 7014



BI-METALL COMBI

SAW BANDS

Saw Bands

Description	Dimensions	EAN	Item No.
for E-BS 320 / H / V / GV	3.660 x 27 x 0,9 mm 4-6 ZpZ Bi-Metall	4260364294873	632 2006
for E-BS 320 / H / V / GV	3.660 x 27 x 0,9 mm 5-8 ZpZ Bi-Metall	4260364294880	632 2008
for E-BS 320 / H / V / GV	3.660 x 27 x 0,9 mm 6-10 ZpZ Bi-Metall	4260364294897	632 2010
for E-BS 320 / H / V / GV	3.660 x 27 x 0,9 mm 10-14 ZpZ Bi-Metall	4260364294903	632 2014
for E-BS 320 L / HL / VL / GVL	4.160 x 34 x 1,1 mm 4-6 ZpZ Bi-Metall	4260364294958	632 2106
for E-BS 320 L / HL / VL / GVL	4.160 x 34 x 1,1 mm 5-8 ZpZ Bi-Metall	4260364294965	632 2108
for E-BS 320 L / HL / VL / GVL	4.160 x 34 x 1,1 mm 6-10 ZpZ Bi-Metall	4260364294972	632 2110
for E-BS 325 GV / GH	4.380 x 34 x 1,1 mm 4-6 ZpZ Bi-Metall	4260364294910	633 2006
for E-BS 325 GV / GH	4.380 x 34 x 1,1 mm 5-8 ZpZ Bi-Metall	4260364294927	633 2008
for E-BS 325 GV / GH	4.380 x 34 x 1,1 mm 6-10 ZpZ Bi-Metall	4260364294934	633 2010
for E-BS 360 DGH ECO	4.800 x 34 x 1,1 mm 4-6 ZpZ Bi-Metall	4260364294996	633 2106
for E-BS 360 DGH ECO	4.800 x 34 x 1,1 mm 5-8 ZpZ Bi-Metall	4260364295002	633 2108
for E-BS 360 DGH ECO	4.800 x 34 x 1,1 mm 6-10 ZpZ Bi-Metall	4260364295019	633 2110
for E-BS 360 DGH	5.000 x 34 x 1,1 mm 4-6 ZpZ Bi-Metall	4260364295033	632 2306
for E-BS 360 DGH	5.000 x 34 x 1,1 mm 5-8 ZpZ Bi-Metall	4260364295040	632 2308
for E-BS 360 DGH	5.000 x 34 x 1,1 mm 6-10 ZpZ Bi-Metall	4260364295057	632 2310
for E-BS 440 DGH / V / E-BS 360 GV	5.200 x 34 x 1,1 mm 4-6 ZpZ Bi-Metall	4260364295118	632 2406
for E-BS 440 DGH / V / E-BS 360 GV	5.200 x 34 x 1,1 mm 5-8 ZpZ Bi-Metall	4260364295125	632 2408
for E-BS 440 DGH / V / E-BS 360 GV	5.200 x 34 x 1,1 mm 6-10 ZpZ Bi-Metall	4260364295132	632 2410
for E-BSP 440 DGH	5.200 x 41 x 1,3 mm 4-6 ZpZ Bi-Metall	4260364295194	632 3406
for E-BSP 440 DGH	5.200 x 41 x 1,3 mm 5-8 ZpZ Bi-Metall	4260364295200	632 3408
for E-BSP 440 DGH	5.200 x 41 x 1,3 mm 6-10 ZpZ Bi-Metall	4260364295217	632 3410
for E-BSP 440 GV	5.400 x 41 x 1,3 mm 4-6 ZpZ Bi-Metall	4260364295071	633 2306
for E-BSP 440 GV	5.400 x 41 x 1,3 mm 5-8 ZpZ Bi-Metall	4260364295088	633 2308
for E-BSP 440 GV	5.400 x 41 x 1,3 mm 6-10 ZpZ Bi-Metall	4260364295095	633 2310
for E-BSP 540 GH	6.000 x 41 x 1,3 mm 4-6 ZpZ Bi-Metall	4260364295412	632 4006
for E-BSP 540 GH	6.000 x 41 x 1,3 mm 6-10 ZpZ Bi-Metall	4260364295429	632 4010
for E-BSP 560 DGH	6.800 x 41 x 1,3 mm 4-6 ZpZ Bi-Metall	4260364295443	632 6006
for E-BSP 560 DGH	6.800 x 41 x 1,3 mm 6-10 ZpZ Bi-Metall	4260364295450	632 6010
for E-BS 810 GH	8.200 x 41 x 1,3 mm 4-6 ZpZ Bi-Metall	4260364295156	633 2406
for E-BS 810 GH	8.200 x 41 x 1,3 mm 2-3 ZpZ Bi-Metall	4260364295163	633 2403
for E-BS 810 GH	8.200 x 41 x 1,3 mm 3-4 ZpZ Bi-Metall	4260364295170	633 2404
for E-BS 810 GH	8.200 x 41 x 1,3 mm 4-5 ZpZ Bi-Metall	4260364295187	633 2405
for E-BS 820 V	8.200 x 54 x 1,6 mm 4-6 ZpZ Bi-Metall	4260364295231	633 3406
for E-BS 820 V	8.200 x 54 x 1,6 mm 2-3 ZpZ Bi-Metall	4260364295245	633 3403
for E-BS 820 V	8.200 x 54 x 1,6 mm 3-4 ZpZ Bi-Metall	4260364295252	633 3404
for E-BS 820 V	8.200 x 54 x 1,6 mm 4-5 ZpZ Bi-Metall	4260364295269	633 3405
for E-BSP 650 DGH NC	8.400 x 54 x 1,6 mm 2-3 ZpZ Bi-Metall	4260364295276	632 5603
for E-BSP 650 DGH NC	8.400 x 54 x 1,6 mm 3-4 ZpZ Bi-Metall	4260364295283	632 5604
for E-BSP 650 DGH NC	8.400 x 54 x 1,6 mm 4-6 ZpZ Bi-Metall	4260364295290	632 5606
for E-BS 1.020 H	9.500 x 54 x 1,6 mm 4-6 ZpZ Bi-Metall	4260364295313	633 5606
for E-BS 1.020 H	9.500 x 54 x 1,6 mm 2-3 ZpZ Bi-Metall	4260364295320	633 5603
for E-BS 1.020 H	9.500 x 54 x 1,6 mm 3-4 ZpZ Bi-Metall	4260364295337	633 5604
for E-BS 1.020 H	9.500 x 54 x 1,6 mm 4-5 ZpZ Bi-Metall	4260364295344	633 5605
for E-BS 1.110 H	10.500 x 67 x 1,6 mm 1,5-2 ZpZ Bi-Metall	4260364297263	633 2202
for E-BS 1.110 H	10.500 x 67 x 1,6 mm 2-3 ZpZ Bi-Metall	4260364297270	633 2203
for E-BS 1.110 H	10.500 x 67 x 1,6 mm 3-4 ZpZ Bi-Metall	4260364297287	633 2204
for E-BS 1.110 HL	10.900 x 67 x 1,6 mm 1,5-2 ZpZ Bi-Metall	4260364297300	633 3502
for E-BS 1.110 HL	10.900 x 67 x 1,6 mm 2-3 ZpZ Bi-Metall	4260364297317	633 3503
for E-BS 1.110 HL	10.900 x 67 x 1,6 mm 3-4 ZpZ Bi-Metall	4260364297324	633 3504
for E-BS 1.313 H	12.100 x 67 x 1,6 mm 1,5-2 ZpZ Bi-Metall	4260364297348	633 6502
for E-BS 1.313 H	12.100 x 67 x 1,6 mm 2-3 ZpZ Bi-Metall	4260364297355	633 6503
for E-BS 1.313 H	12.100 x 67 x 1,6 mm 3-4 ZpZ Bi-Metall	4260364297362	633 6504
for E-BS 1.515 H	13.300 x 80 x 1,6 mm 2-3 ZpZ Bi-Metall	4260364297294	633 6603
for E-BS 1.515 H	13.300 x 80 x 1,6 mm 1,5-2 ZpZ Bi-Metall	4260364297331	633 6602
for E-BS 1.515 H	13.300 x 80 x 1,6 mm 1,1-1,6 ZpZ Bi-Metall	4260364297379	633 6601

MINIMUM PURCHASE 3 PCS.

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