

BEHRINGER

Complete Range

High-performance saws for the steel and metalworking industry

EISELE





Christian Behringer and Rolf Behringer now head the company in its third generation of family management.

Innovative Sawing technology – A worthwhile investment
Whether shop floor model or high-end industrial saws – our aim is to always be „one step ahead“ in terms of sawing performance and accuracy. We work closely together with saw blade manufacturers, we carry out tests with materials from our customers, and we are always looking for new challenges in the field of cutting steel, aluminum and special alloys. Through our constantly improving saw technology and innovation, we are able to support our customers and to give them a clear advantage in times of fierce competition. Such an investment is worthwhile from the very first day.

We are BEHRINGER – With passion
It is the ambition of everyone on our team, which brings us forward. Our highly qualified engineers and technicians are working constantly to improve

and further enhance our products. They conceive new products and features, refine, develop, and manufacture our high-performance saws in a committed and target-oriented manner. We are always striving for perfection – always with enthusiasm for new challenges.

Made by BEHRINGER – Made in Germany
“From red iron to the finished product” – the extensive production depth, high-end machining centers, state-of-the-art manufacturing methods and the integrated quality assurance system ensure the high quality standard of our products at every stage. Our own latest-state-of-the-art foundry and our long experience in the field of ductile and cast iron contribute to the premium quality of our cast components. This is how we achieve a high degree of toughness, a solid construction for maximum performance, high cutting accuracy and long service life of the tools and of every original BEHRINGER sawing machine.

Perfection from tradition

It is the passion for the sawing process that has been driving us as industry leaders in band saw and circular saw technology.



Customer-oriented sawing concepts
We know exactly what our customers need in terms of sawing. We understand their needs by always keeping in touch.

Individual solutions are our strength
BEHRINGER is an industry leader when it comes to customized solutions around the issue of material handling. We provide solutions specific to our customers need and are able to act in the capacity of overall project manager if required.

The modular design concept behind our saws allows us to supply a perfect solution to address your specific needs – ensuring the safe handling of even the heaviest of parts.

We are local as well as global
We are in places where our customers are – nationwide and international. With our locations in Germany, France, USA and China as well as with over 40 agencies worldwide, we are setting the standard in terms of implementing customer-focused service and communication. We know the markets, the industry, and its challenges.

A well-developed network of service technicians and service partners ensures prompt after-sales support on a manufacturer’s quality level. Our well-equipped spare parts storage and in-house manufacturing assure a fast and – even more importantly – reliable spare parts supply, even for saws, which have provided more than 30 years of service.



Semi-automatic machines for single cuts

The affordable combination of high cutting output and simple handling.



BEHRINGER HBE320-523



BEHRINGER HBP430

A meticulously engineered machine concept

- Easy accessibility
- Reliable material clamping
- Universal application

Versatile application

- Steel trade/steel construction
- Metal construction
- Mechanical engineering
- Aerospace industry
- Automotive and supply industry
- Forging industry
- Tool and mould making

Technical Data

Model	Cutting range	
	90° round	90° flat B x H
HBE320-523	320	520 x 320
HBP430	430	430 x 430
HBP530	530	700 x 530
HBP530-1104	530	1100 x 500
HBP610	610	610 x 610
HBP800	800	800 x 800
HBP1000	1000	1,000 x 1,000

All measurements in mm

Fully automatic machines for versatile application

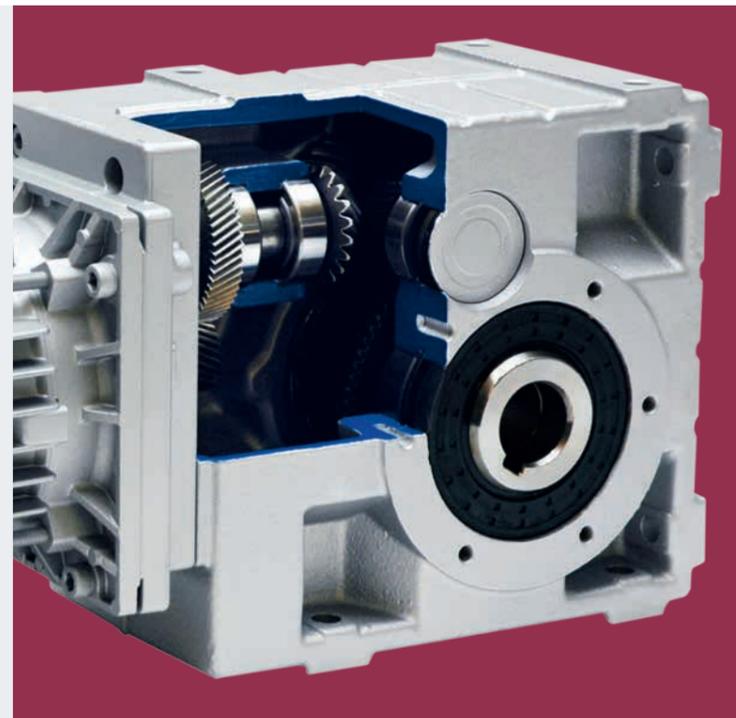
Fast, precise execution of multiple cuts. Makes for optimum efficiency in every field of metalworking.

Stable cast construction and pillar guides

- High stability
- Outstanding cutting accuracy
- Precise cut-off length
- Extreme efficiency
- Reliable operation
- Energy efficient
- Compact

Simple, reliable operation

- Good access to the machine
- User-friendly NC program control



BEHRINGER HBE663A Performance



BEHRINGER HBE411A Dynamic

Technical Data

Model	Cutting range		Feed length single stroke
	90° rund	90° flach B x H	
HBE261A Dynamic	260	300 x 260	640
HBE321A Dynamic	320	350 x 320	640
HBE411A Dynamic	410	510 x 410	625
HBE511A Dynamic	510	510 x 510	625
HBE560A Performance	560	560 x 560	500
HBE663A Performance	660	710 x 660	540 1,500 3,000
HBE860A Performance	860	860 x 860	500
HBE1060A Performance	1,060	1,060 x 1,060	500

All measurements in mm

Unbeatable speed – even with the toughest jobs

To address the most stringent requirements. Ideal for high production and particularly hard steel qualities.

Aluminium, NF metals, materials with difficult cutting properties – the HBM series cuts practically anything down to size. With even greater simplicity, greater precision and, most importantly, higher speed.

The HBM makes light work of even the highest chip volumes. You too can benefit from the efficiency and flexibility of these outstanding high-performance bandsaws.



HBM cut-off gripper (option)



BEHRINGER HBM540A

Made for heavy-duty application

- Optimum processing quality
- Outstanding speed
- Unbeatable service life
- Process-safe material handling

Saws practically any steel type

- Tool steels
- Stainless steels
- Heat/acid-resistant steels
- High-alloy steels
- All structural and carbon steels

The ideal solution for aluminium too

- Special versions for aluminium machining
- Extreme cutting speeds
- Effective chip disposal

Low-manned production

- Available in range of automation stages, e.g. with magazine, cut-off gripper, marking unit etc.



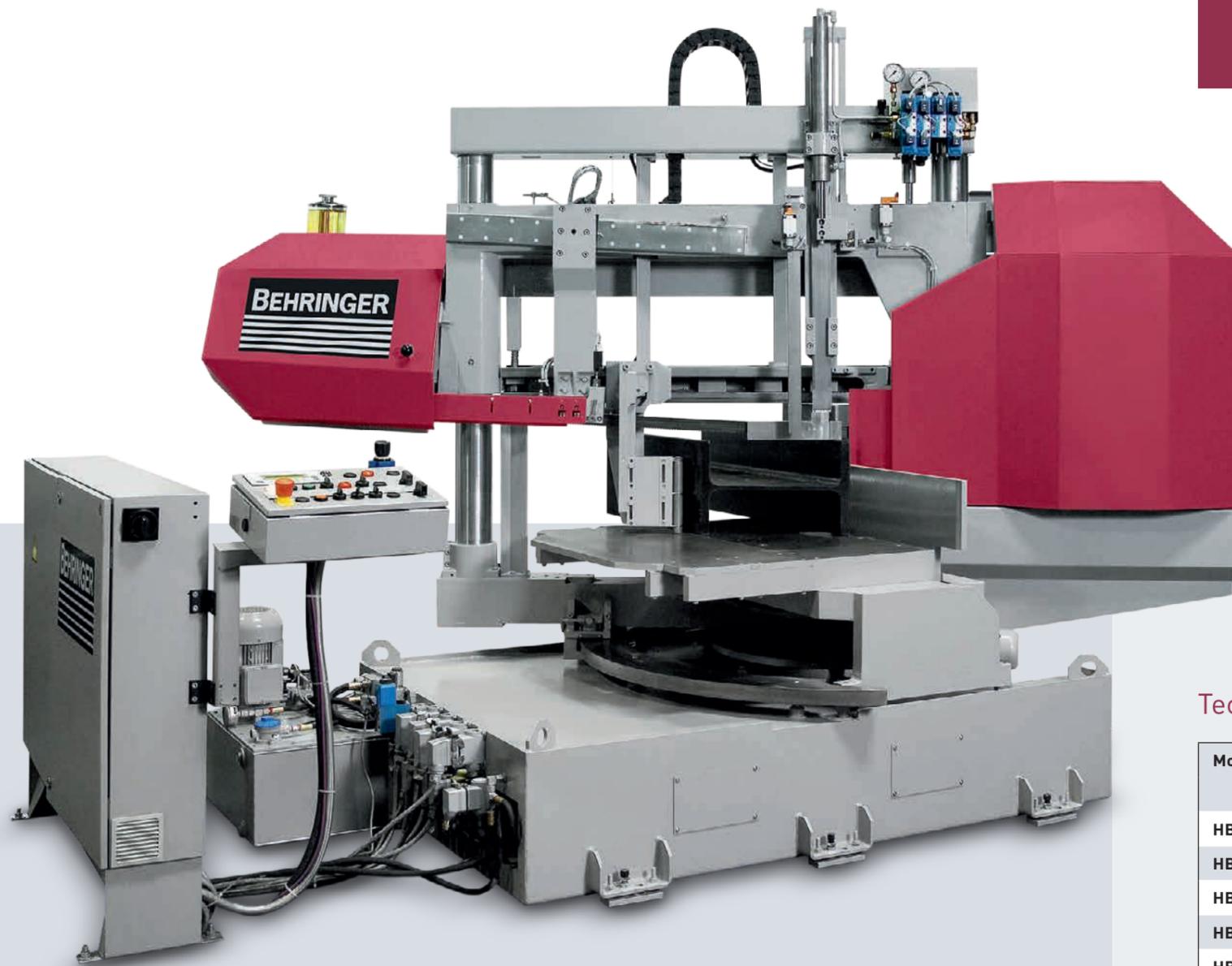
Technical Data

Model	Cutting range		Feed length single stroke
	90° round	90° flat W x H	
HBM440A	440	440 x 440	600
HBM540A	540	630 x 540	500
HBM800A	800	800 x 800	600
HBM800-1201A	800	1,200 x 800	600
HBM440ALU	440	440 x 440	600
HBM540ALU	540	630 x 540	500
HBM800ALU	800	800 x 800	600
HBM800-1201ALU	800	1,200 x 800	600
HBM440A-PC-E	440	440 x 440	600
HBM540A-PC-E	540	630 x 540	500

All measurements in mm

Mitre-cutting bandsaws – universal and flexible

Made for mitre cuts and steel profiles.
Impressive output and cutting range.



BEHRINGER HBP410-923G



Every cut a masterpiece of precision

- Optimum positioning accuracy for right/left mitre cuts
- Also for large cutting widths
- For wide-ranging different angles

Amazingly versatile

- Highly flexible, easy-to-operate angular adjustment
- Troublefree adjustment to individual requirements
- Wide-ranging different transport systems for simple material handling

Technical Data

Model	Cutting range		Mitre right	Mitre left	
	90° round	90° flat W x H	45° flat W x H	45° flat W x H	30° flat W x H
HBE320-523G	320	520 x 320	320 x 320	320 x 320	200 x 320
HBP410-723G	410	700 x 400	450 x 380	450 x 400	300 x 300
HBP410-923G	410	900 x 400	600 x 380	600 x 400	400 x 300
HBP510-723G	510	700 x 500	450 x 500	450 x 500	300 x 400
HBP510-923G	510	900 x 500	600 x 500	600 x 500	400 x 400
HBE610-1256G	610	1,250 x 610	880 x 610	880 x 610	610 x 610

All measurements in mm

The specialists for structural steel work



BEHRINGER HBE320-523GA



**Developed for automatic left
and right mitre cuts.**

Angular precision guaranteed

- Highly efficient through NC angular adjustment
- High degree of positioning accuracy with NC length measurement device
- High feed length even with single stroke
- Reliable bundle cuts with package clamping unit (Option)

Technical Data

Model	Cutting range			Mitre left						Gehrung rechts			Feed length single stroke
	90° round	90° vierkant B x H	90° flach B x H	45° rund	45° square W x H	45° flat W x H	30° round	30° square W x H	30° flat W x H	45° round	45° square W x H	45° flat W x H	
HBE320-523GA	320	320 x 320	520 x 320	320	320 x 320	390 x 320	200	200 x 200	200 x 320	320	320 x 320	330 x 320	3,000
HBP410-723GA	410	400 x 400	620 x 400	410	400 x 400	450 x 400	300	300 x 300	300 x 300	380	380 x 380	450 x 380	3,000
HBP410-923GA	410	400 x 400	820 x 400	410	400 x 400	600 x 400	300	300 x 300	400 x 300	380	380 x 380	600 x 380	3,000
HBP510-723GA	510	500 x 500	620 x 500	450	450 x 450	450 x 500	300	300 x 300	300 x 400	450	450 x 450	450 x 500	3,000
HBP510-923GA	510	500 x 500	820 x 500	510	500 x 500	600 x 500	400	400 x 400	400 x 400	480	500 x 500	600 x 500	3,000
HBE610-1256GA	610	610 x 610	1,200 x 610	610	610 x 610	880 x 610	610	610 x 610	610 x 610	610	610 x 610	880 x 610	3,000

All measurements in mm

When the going gets tough

Unadulterated power – our high-powered solutions for large, heavy workpieces. Reliable, precise and extremely hardwearing.

The optimum solution when the going gets tough

- Highly stable design
- Extreme load-bearing capacity up to 100 tons
- Outstanding durability
- Unsusceptible to faults

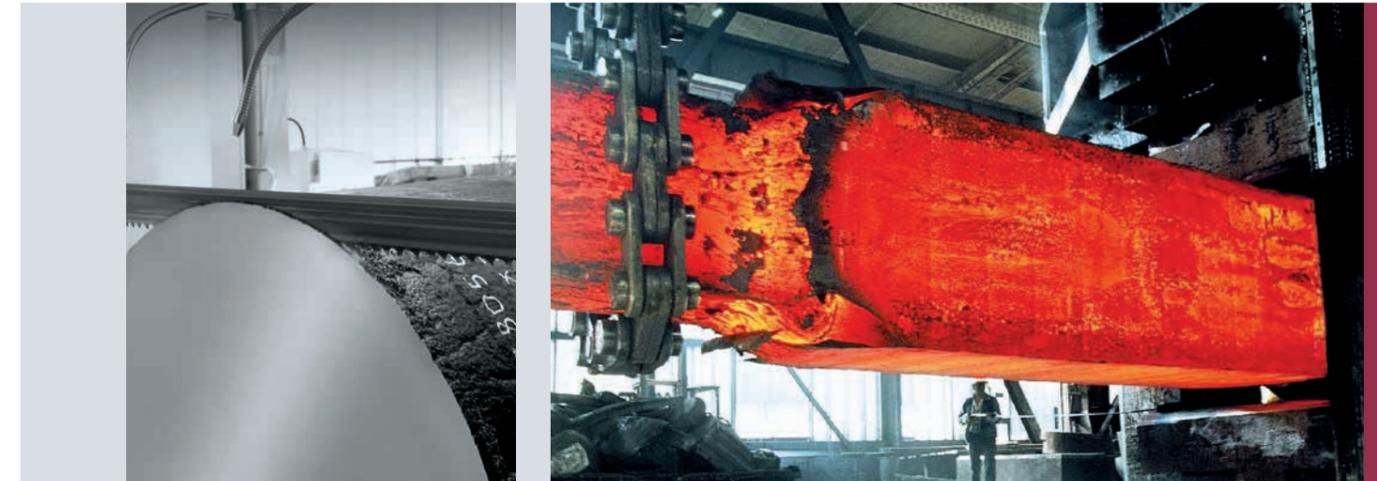
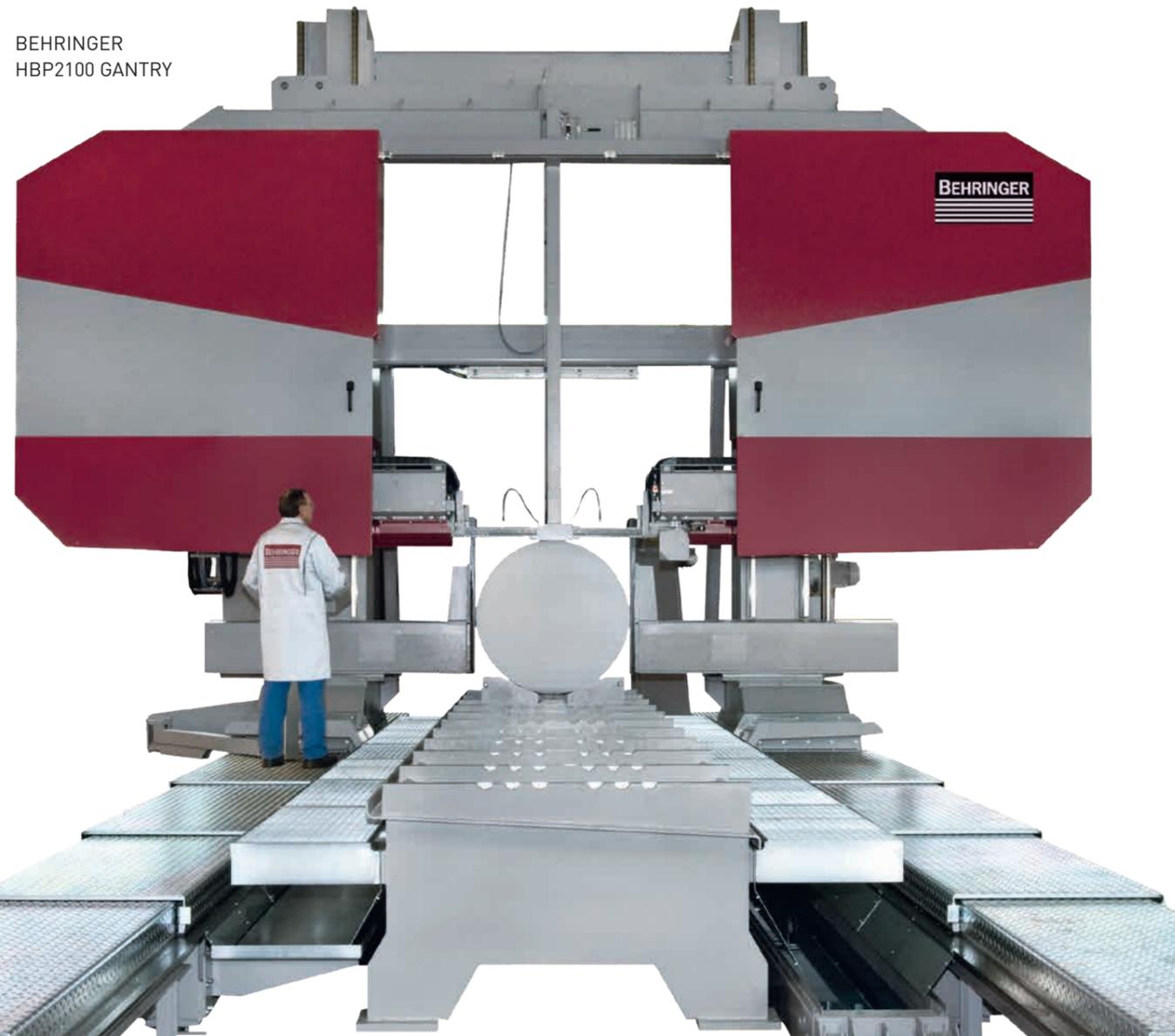
Wide application range

- Heavy-duty large forged components
- Ships' crankshafts
- Turbine shafts
- Large-scale tools
- Metal blocks etc.

Wide range of machine variants

- Machines with roller conveyors: Workpieces are transported on heavy-duty roller conveyors
- Table variants: Table is pushed with the workpiece through the fixed saw gantry
- Gantry design: Sawing frame travels over the fixed workpiece

BEHRINGER
HBP2100 GANTRY



Technical Data

Model	Cutting range			Minimum clamping width	Table size L x B	Portal traversing path
	90° round	90° square W x H	90° flat W x H			
HBP1100 GANTRY	1,100	1,100 x 1,100	1,100 x 1,100	100	6,500 x 1,200	5,000
HBP1100-1500 GANTRY	1,100	1,100 x 1,100	1,500 x 1,100	400	6,500 x 1,200	5,000
HBP1100-1800 GANTRY	1,100	1,100 x 1,100	1,800 x 1,100	400	6,500 x 1,500	5,000
HBP1100-2100 GANTRY	1,100	1,100 x 1,100	2,100 x 1,100	500	6,500 x 1,800	5,000
HBP1500 GANTRY	1,500	1,500 x 1,500	1,500 x 1,500	400	6,500 x 1,200	5,000
HBP1500-1800 GANTRY	1,500	1,500 x 1,500	1,800 x 1,500	400	6,500 x 1,500	5,000
HBP1500-2100 GANTRY	1,500	1,500 x 1,500	2,100 x 1,500	500	6,500 x 1,800	5,000
HBP1800 GANTRY	1,800	1,800 x 1,800	1,800 x 1,800	400	6,500 x 1,200	5,000
HBP1800-2100 GANTRY	1,800	1,800 x 1,800	2,100 x 1,800	500	6,500 x 1,800	5,000
HBP2100 GANTRY	2,100	2,100 x 2,100	2,100 x 2,100	500	6,500 x 1,800	5,000

Model	Cutting range			Minimum clamping width	Table size L x B	Table traversing path
	90° round	90° square W x H	90° flat W x H			
HBP1100	1,100	1,100 x 1,100	1,100 x 1,100	100	-	-
HBP1100-1500	1,100	1,100 x 1,100	1,500 x 1,100	300	-	-
HBP1100-1800	1,100	1,100 x 1,100	1,800 x 1,100	400	-	-
HBP1100-2100	1,100	1,100 x 1,100	2,100 x 1,100	500	-	-
HBP1500	1,500	1,500 x 1,500	1,500 x 1,500	300	-	-
HBP1500-1800	1,500	1,500 x 1,500	1,800 x 1,500	400	-	-
HBP1500-2100	1,500	1,500 x 1,500	2,100 x 1,500	500	-	-
HBP1100T	1,100	1,100 x 1,100	1,100 x 1,100	100	3,000 x 1,200	2,000
HBP1100-1500T	1,100	1,100 x 1,100	1,500 x 1,100	400	3,000 x 1,200	2,000
HBP1100-1800T	1,100	1,100 x 1,100	1,800 x 1,100	400	3,000 x 1,500	2,000
HBP1500T	1,500	1,500 x 1,500	1,500 x 1,500	400	3,000 x 1,200	2,000
HBP1500-1800T	1,500	1,500 x 1,500	1,800 x 1,500	400	3,000 x 1,500	2,000

All measurements in mm

Vertical machines for perfect longitudinal cuts

New standard of precision for longitudinal dividing of plates and blocks. A highly popular option in the steel trade and for mould and tool makers.



BEHRINGER LPS60-T



Precision with every cut

- High precision for cutting lengths up to 8 m
- Suitable for wide-ranging steel blocks and plate stock

Set-up time close to zero

- Extremely simple, high-speed saw band changeover
- No tools required

Universal application scope

- Compact, space-saving construction
- Different variants for each application



Series cuts with the LPS automatic

Technical Data

Model	Cutting range	Cutting height	Cutting length
LPS-T	620	600	1,270
LPS40-2	680	400	2,000
LPS40-3	680	400	3,000
LPS40-4	680	400	4,000
LPS40-6	680	400	6,000
LPS60-2	680	600	2,000
LPS60-3	680	600	3,000
LPS60-4	680	600	4,000
LPS40-120-3	1,200	400	3,000
LPS40-120-4	1,200	400	4,000
LPS20-120-6	1,200	200	6,000
LPS80-120-3	1,200	800	3,000
LPS80-120-4	1,200	800	4,000

Model	Cutting range	Cutting height	Cutting length
LPS60-120-6	1,200	600	6,000
LPS120-120-3	1,200	1200	3,000
LPS120-120-4	1,200	1200	4,000
LPS100-120-6	1,200	1000	6,000
LPS40-160-3	1,600	400	3,000
LPS40-160-4	1,600	400	4,000
LPS20-160-6	1,600	200	6,000
LPS80-160-3	1,600	800	3,000
LPS80-160-4	1,600	800	4,000
LPS60-160-6	1,600	600	6,000
LPS120-160-3	1,600	1200	3,000
LPS120-160-4	1,600	1200	4,000
LPS100-160-6	1,600	1000	6,000

All measurements in mm

„Classics“ in any workshop

Proven thousands of times over: Swing frame band sawing machines and power hacksaws.



BEHRINGER KS221HY



Technical Data Power hacksaws

Model	Operating range				
	90° round	45° round	90° square W x H	45° square W x H	90° flat W x H
KS221HY	220	175	210 x 210	170 x 170	240 x 160
KS251HY	250	175	230 x 230	170 x 170	250 x 200
KS280HY	280	180	240 x 240	160 x 160	280 x 120
KS325HY	325	210	280 x 280	200 x 200	300 x 200
KS400HY	400	250	350 x 350	240 x 240	380 x 300
Super 452	450	280	400 x 400	260 x 260	420 x 350

All measurements in mm

Technical Data Band sawing machines

Model	Cutting range		Mitre right				Mitre left	
	90° round	90° flat W x H	45° round	45° flat W x H	30° round	30° flat W x H	45° round	45° flat W x H
SLB230G	240	280 x 210	185	180 x 140	115	110 x 110	-	-
SLB230DG	240	310 x 200	175	170 x 170	110	100 x 140	150	145 x 125
SLB230DG Semi-automatic	240	310 x 200	175	170 x 170	110	100 x 140	150	145 x 125
SLB240G Semi-automatic	260	370 x 260	260	260 x 260	180	180 x 180	-	-
SLB240A	260	270 x 260	-	-	-	-	-	-

All measurements in mm

Everything in their favour

- Simple operation, minimal space requirement
- Low-maintenance and long life
- Excellent cost-to-performance ratio

At home in workshops and industrial environments

- Forging workshops
- Metalworking shops, trainee workshops
- Repair and service departments



BEHRINGER
SLB230DG

High-performance circular saws for mass production

High-powered and precise: Designed especially for mass cutting of aluminium or high-output steel sawing - BEHRINGER EISELE offers you the best possible solution every time.

The degree of automation is determined by the sawing assignment

- Fully automatic circular saws for straight cuts: Optimum results and high performance for mass cutting of steel, aluminium and other NF metals. Round cutting range 240 mm (aluminium) and 180 mm (steel)
- The Multi-Fluid cooling concept multiplies the already high cutting performance many times over by combining different cooling / lubrication components in a most effective way.



EISELE VA-L 560 NC2



Technical Data

Model	Cutting range			Drive power (kW) FU
	90° round	90° square	90° flat W x H	
VA-L 500 E	10 - 175	10 - 155	10 x 10 - 235 x 135	18
VA-L 560 NC2	10 - 200 ¹⁾	10 - 165 ²⁾	10 x 10 - 295 x 165 ³⁾	26
VA-L 560 NC3	10 - 200 ¹⁾	10 - 165 ²⁾	10 x 10 - 295 x 165 ³⁾	26

XL-package: ¹⁾ 10 - 240mm ²⁾ 10 - 200mm ³⁾ 10 x 10 - 325 x 185mm

Model	Cutting range		Drive power (kW) FU
	90° round	90° square	
HCS 90 E	10 - 90	12 - 65	8
HCS 150 E	10 - 150	10 - 130	15
HCS 100 MF	20 - 105	12 - 90	22.5
HCS 130 MF	20 - 135	20 - 110	22.5
HCS 160 MF	20 - 160	20 - 140	22.5
HCS 180 MF	40 - 180	40 - 155	28

All measurements in mm

Circular saws for steel- and other NF profiles

Where flexible, universal cutting of different metal types is on the agenda, BEHRINGER EISELE has just the right answer every time.

Practically oriented to suit every need

- Manual circular saws for locksmiths, metal working firms and repair workshops: Easy to operate, round-cutting range up to 145 mm
- Fully automatic high-output circular saws: For mitre cuts on both sides; Round cutting range up to 150 mm

Wide application spectrum

- For cutting solid, profiles and tubular stock



EISELE VMS 400 H



EISELE PSU 450 A

Technical Data

Model	Cutting range								
	90° flat W x H	45° flat W x H	30° flat W x H	90° square	45° square	30° square	90° round	45° round	30° round
VMS 350	170 x 100	120 x 100	85 x 100 ¹⁾	100	95	85 ¹⁾	120	120	100 ¹⁾
VMS 350 PV	170 x 100	120 x 100	85 x 100 ¹⁾	100	95	85 ¹⁾	120	120	100 ¹⁾
VMS 370	200 x 100	140 x 100	100 x 100 ¹⁾	100 ²⁾	100	90 ¹⁾	130	130	105 ¹⁾
VMS 370 PV	200 x 100	140 x 100	100 x 100 ¹⁾	100 ²⁾	100	90 ¹⁾	130	130	105 ¹⁾
VMS 400 H	200 x 120	140 x 120	100 x 100 ¹⁾	120	120	100 ¹⁾	140	140	110 ¹⁾
VMS 370 A	200 x 100	140 x 100	100 x 100 ¹⁾	120	100	90 ¹⁾	130	130	105 ¹⁾
VMS 400 A	200 x 120	140 x 120	100 x 100 ¹⁾	120	120	100 ¹⁾	140	140	110 ¹⁾
PSU 450 H	240 x 70	170 x 70	120 x 70	140	125	100	150	145	120
PSU 450 GS	Depending on fixture								
PSU 450 M	240 x 70	180 x 50	120 x 50	10 - 140	10 - 125	10 - 100	10 - 150	10 - 145	10 - 120
PSU 450 A	220 x 70	170 x 70	120 x 50	10 - 140	10 - 125	10 - 100	10 - 150	10 - 145	10 - 120

¹⁾ Right only

²⁾ With use of additional jaw

All measurements in mm

BEHRINGER

The BEHRINGER Product Range

- Straight-cutting bandsaws
- Mitre-cutting bandsaws
- Vertical bandsaws
- Large bandsaws
- Swing-frame bandsaws
- Hacksawing machines
- Loading and disposal devices and material handling systems
- Complete sawing systems – overall concepts

The BEHRINGER EISELE Product Range

- Vertical circular cold saws VMS
- Up stroking miter circular cold saws PSU
- Fully-automatic Aluminum-cutting circular cold saw VA-L
- Fully-automatic steel-cutting circular cold saw HCS
- Loading magazines, disposal devices and material handling systems
- Complete sawing systems – overall concepts
- Integration into existing processes

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