



Band Saws

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Individual 720.540 DGH

Individual 720.540 DGH



Individual 720.540 DGH

A universal **semiautomatic band saw of a double-column construction**, designed **double-sided mitre cuts**. Thanks to their arms rigidity, double-column band saws with both-

sided linear guiding achieve much shorter cutting times, especially in cutting full materials, than machines with articulated saw arms. The outstanding cutting power of the machine results from the following features: a three-sided hardmetal band precision guide, a saw arm laid both-sided on preloaded linear guides, a 54 mm high saw band and lastly, a synchronous running brush for chips disposal.

Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened.

After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel. The saw swivelling range is continuous in the range from 60° right to 60° left with stable position of the clamped material. Material clamping is performed by a full-stroke vice.

The basic equipment is frequency converter that allows the saw band's optimal speed to be set against the processed material within the 20–120 m/ min range. This significantly increases both the saw band lifetime and the machine's productivity.








The saw band is tilted against the vice load surface at a 2° angle, which also significantly shortens cutting times and contributes to a longer saw band lifetime. The standard equipment also includes automatic downfeed pressure regulation dependent on the resistance of the processed material on both guiding cubes and continuously adjustable arm downfeed from freely-adjustable control panel.

The machine can be extended by a wide range of accessories such as LaserLiner to indicate the cut, additional lighting or even mist lubrication device (microniser). The machine can be adapted to specific user requirements also by roller conveyors for the the input and output of the material, length stops or transverse cross feeders.

Key features

- Two-column structure
- Hydraulic full-lift clamping vice
- Continuously adjustable saw arm feed to depth and pressure to depth
- Freely positionable control panel

Cutting parameters

						
0°	540	720x540	540			
45°R	500	510x410	470			
45°L	515	520x325	510			
60°R	350	350x200	310			
60°L	355	355x450	350			

Technical specification

Working mode:	semiautomatic
Machine type:	Horizontal bandsaw
Cut:	Mitre cut
Mitre cuts range:	-60° - 60°
Drive:	4 kW, 3×400 V/50 Hz
Saw band speed:	20 - 120 m/min.
Saw band dimensions:	6 660×54×1,3 mm
Material loading height:	810 mm
Shortest remnant length:	40 mm
Smallest sawing diameter:	Ø 10 mm

Machine dimensions

Length:	3 250 mm
Width:	2 000 mm
Height:	2 420 mm
Weight:	2100 kg

Suitable handling systems

Handling System X/XP

The new X/XP handling system offers unprecedented flexibility for tailoring a handling system to individual needs and conditions. Load capacities and automation levels can be adjusted with perfect flexibility and modified at a later time. Besides the roll conveyor in a regular and propelled version, the X system comprises a rich array of options, from vertical rollers, to length measuring systems all the way to cross conveyor units and shifting devices. The load capacity

can be customized by the number of rollers and support feet used. The roll conveyor's feed profile even allows varying roller and foot distances on the same roll conveyor unit. When needed, additional rollers and/or support feet can be installed at any time.

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Accessories

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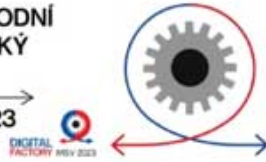


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BOMAR, spol. s r.o.

Těžební 1236/1
Brno 627 00
Czech Republic

info@bomar.cz
+420 533 426 100

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