

Horizontal Mitre Cutting Bandsaws

HB 440 DL



SKU : 152803

The HB DL is a semi-automatic, high-performance double-mitre band saw designed for precise and cost-effective cutting in series production. Thanks to its swivel range of up to 60° and its sturdy double-column construction, it is ideal for straight and mitre cuts in solid material, tubes and profiles. The combination of robust construction, hydraulic workpiece clamping and digital angle display ensures maximum precision, ease of use and process reliability in daily operation.

- Precise mitre cuts up to 60°
- High cutting accuracy thanks to dual-column guidance
- Hydraulic workpiece clamping
- Digital display for precise angle control

TECHNICAL SPECS

WORKING AREA

Remaining length	75 mm
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CUTTING CAPACITIES

Cutting capacity 0° (round)	440 mm
Cutting capacity 0° (square)	440 mm
Cutting capacity 0° (flat) (length x width)	640 mm x 440 mm
Cutting capacity (-) 45° (square)	390 mm
Cutting capacity 45° (flat) L (length x width)	440 mm x 390 mm
Cutting capacity 45° (round) L	390 mm
Cutting capacity 45° (square) R	400 mm
Cutting capacity 45° (round) R	440 mm
Cutting capacity 45° (flat) R (length x width)	440 mm x 400 mm
Cutting capacity 60° R (round)	250 mm
Cutting capacity 60° R (flat) (length x width)	440 mm x 250 mm
Cutting capacity (+) 30° (square)	440 mm

Cutting capacity (+) 30° (round)	440 mm
Cutting capacity (+) 30° (flat)	440 mm
Cutting capacity (-) 30° (round)	440 mm
Cutting capacity (-) 30° (flat)	440 mm
Cutting capacity (-) 30° (square)	440 mm
Blade speed	15 m/min - 120 m/min

DRIVE CAPACITY

Main drive, continuous load	4 kW
Motor rating hydraulic pump	1.1 kW
Motor rating coolant pump	0.12 kW
Supply voltage	400 V
Mains frequency	50 Hz

MEASURES AND WEIGHTS

Saw blade length (max)	6300 mm
Saw blade width (max)	41 mm
Saw blade thickness	1.3 mm

Overall dimensions (length x width x height)	3.15 m x 1.85 m x 2.12 m
Weight	2050 kg



PRODUCT DETAILS

Design and Construction

- Semi-automatic horizontal double-mitre band saw with a double-column design
- Robust, torsion-resistant welded construction with a monoblock saw frame for smooth operation and a long service life
- Linear guides for precise movement of the saw carriage
- Hydraulically controlled feed movement for consistent cuts
- Saw arm that can be swivelled for mitre cuts on both sides from +45° to -60°
- 3° saw frame tilt for improved cutting performance and longer service life
- Infinitely variable band speed

Equipment

- Hydraulic saw feed with cutting pressure control
- Hydraulic material clamping
- Automatic band breakage monitoring
- The saw band guide automatically adjusts to the optimum position
- High-performance coolant system with fine filter element
- Digital angle display for precise mitre adjustment
- Infinitely variable feed speed and cutting force enable a wide range of machining applications with just one saw blade
- Hydraulic saw frame feed with pressure control system (PAS) for adaptation to any sawing task
- Optimised settings for profiles, solid material and various workpiece materials
- Saw frame lifts after the cut is complete
- Automatic stroke height limitation via optical sensor
- Hydraulic saw frame feed with pressure control system (PAS) for adaptation to any sawing task
- Pressure gauge for monitoring band tension
- Band breakage monitoring, coolant system and chip brush as standard

Application

The HB DL is particularly suitable for:

- Metalworking and steel construction
- Mechanical engineering and manufacturing
- Batch cutting with mitre cuts
- Machining of tubes, sections and solid material

Options

- With a wide range of accessories, the models in this series can be adapted to meet specific requirements
- Roller conveyors and bundle clamping systems are available as optional extras
- In addition, the equipment can be supplemented with minimal quantity lubrication (MMS) and a laser cut-line indicator

Your Advantages

- The HB DL combines precision, flexibility and cost-effectiveness in a single machine
- It is the ideal solution for companies that value precise mitre cuts, high process reliability and durable technology

STANDARD EQUIPMENT

Mobile control unit
Mechanical saw blade tensioning with a hydraulic pressure gauge
Precise pressure contro

Continuously adjustable saw blade speed
Automatic guide arm adjustment
Hydraulic workpiece clamping with pressure adjustment
3° blade angle
Optical height adjustment
Bi-metal band saw blade
Automatic protection against blade breakage
Cooling system
Chip brush
Operating manual

OPTIONAL EQUIPMENT

- 3-meter roller table for band saws 400-500, SKU : 253890
- hydraulic blade tensioning for HB 460 L, SKU : 251607
- Minimum quantity cooling, SKU : 253719
- Laser pointer, SKU : 253753



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