



# Horizontal Mitre Cutting Bandsaws HB 460 L

**SKU : 152806**

The semi-automatic horizontal band saws of the HB-L series are the first choice for applications in the category of heavy cutting. They cut heavy workpieces made of steel, cast iron and other materials with high precision. The machines are characterized by a rigid and extremely stable dual column construction. Reduced vibrations enable shorter cutting times and higher accuracy. Functions such as the finely adjustable saw blade feed, the continuously adjustable saw blade speed and the swiveling workpiece clamping contribute to the excellent cutting performance of the HB-L series.

- Double column design with linear guide
- Semi-automatic operation
- Automatic stroke height adjustment with optical sensor
- 45° swiveling vise for mitre cutting
- Short setup time for machine and workpiece



## TECHNICAL SPECS

### CUTTING CAPACITIES

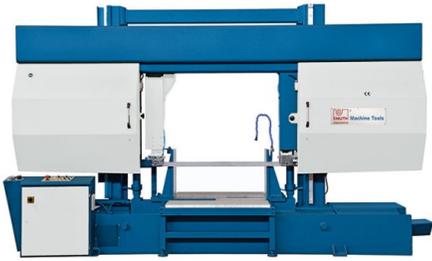
Cutting capacity 0° (round)	460 mm
Cutting capacity 0° (square)	460 mm
Cutting capacity 0° (flat) (length x width)	650 mm x 460 mm
Cutting capacity 45° (round)	380 mm
Cutting capacity 45° (flat) (length x width)	380 mm x 460 mm
Cutting capacity 45° (square)	380 mm
Cutting speed	20 m/min - 100 m/min

### DRIVE CAPACITY

Motor rating main drive	4 kW
Motor rating hydraulic pump	0.55 kW
Motor rating coolant pump	0.12 kW

### MEASURES AND WEIGHTS

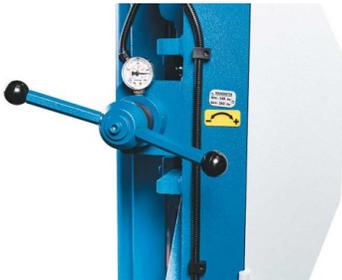
Blade dimensions	5200 mm x 41 mm x 1.3 mm
Overall dimensions (length x width x height)	3.1 m x 1.8 m x 1.05 m
Weight	1410 kg



*HB1020 L – easy material handling through input / output rollers*



*Hydraulic workpiece clamping is now included on all models*



*Pressure gauge ensures correct saw blade tension for increased blade life and cost reduction*



*Feed roller table is standard equipment*



*Powerful main drive motor, infinitely variable*

## PRODUCT DETAILS

### For precise sawing of sections and solid material like steel, aluminum and other material

- Every model of this series provides infinitely variable cutting speeds from 20 to 100 m/min
- Powerful motors and low-maintenance gear units for high reliability
- Hydraulic workpiece clamping is now standard equipment on all models
- Pressure gauge ensures correct saw blade tension for increased blade life and lower cost
- Removable coolant reservoir for simplified maintenance
- Saw blade tension can be precisely adjusted via a pressure gauge

### With linear guide technology!

- Torsion-proof steel construction with dual-column guide – rigid and vibration absorbing
- The saw frame features a mono-frame design for travel across large linear guides
- Advanced hydraulic saw frame feed with new pressure regulating system (PAS) allows optimum adjustment for every sawing task: infinitely variable feed speed and cutting power control provide a wide spectrum of machining possibilities with just one saw blade type
- The control valve features identifications and labeling for sheets, solid materials and various other material types to provide maximum user-friendly handling
- Optical registration of the workpiece height allows fully automated empty runs in rapid feed mode for a timely optimum change-over to work feed as well as limiting the vertical saw frame travel and keeping down-times to a minimum

## STANDARD EQUIPMENT

Bimetallic band saw blade  
 Mechanical saw blade tensioning with hydraulic pressure gauge  
 Hydraulic part clamping  
 Automatic stroke height adjustment  
 Feed roller table 1 m  
 PAS system  
 Coolant system  
 Operator instructions

## OPTIONAL EQUIPMENT

- 3 meter roller table for HB 460 L, SKU : 251603
- hydraulic top clamping for HB 460 L, SKU : 251601
- chip conveyor for HB 460 L, SKU : 251605
- Turn Table for HB 460 L, SKU : 251606
- hydraulic blade tensioning for HB 460 L, SKU : 251607
- motorized 3 meter roller table for HB 460 L, SKU : 251604
- 3m Roller table w. length stopper & digital readout for HB 460L, SKU : 257417
- 6m Roller table w. length stopper & digital readout for HB 460L, SKU : 257418
- Minimum quantity cooling, SKU : 253719
- Laser pointer, SKU : 253753
- Clamping force controlled at operator panel, SKU : 253899
- Micro spray cooling system for band saws 400-810, SKU : 254015



## KNUTH on YouTube

### Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?  
Please feel free to contact us!**