

# Horizontal Straight Cutting Bandsaws

## ABS 460 L

**SKU : 152766**

The models of the ABS-L series are fully automatic horizontal band saws for precisely straight sawing of large and heavy workpieces. A rigid dual column frame forms the heart of the extremely stable construction. Using the central control panel, you can regulate the saw frame feed, steplessly adjust the saw blade speed and machine the workpiece hydraulically. The robust automatic material feed does not need any electronics or programming and still offers high repeat and dimensional accuracy.

- Dual column design for superior stability
- Material feed system with workpiece guide rollers
- Hydraulic workpiece clamping
- Optical detection of the workpiece height
- Feed roller table 1,2 m



### TECHNICAL SPECS

#### CUTTING CAPACITIES

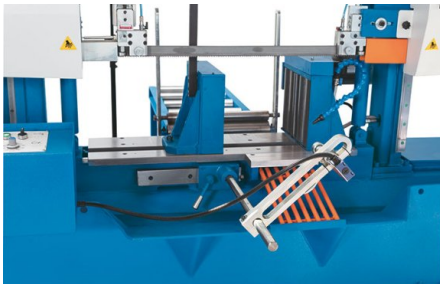
Cutting capacity 0° (flat) (length x width)	470 mm x 460 mm
Cutting capacity 0° (round)	460 mm
Cutting capacity 0° (square)	460 mm
Cutting speed infinitely variable	20 m/min - 100 m/min
Stop length	500 mm
Accuracy of the feeding	0.5 mm

#### DRIVE CAPACITY

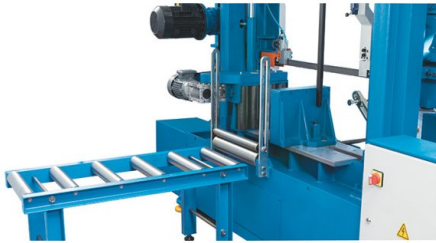
Motor rating main drive	4 kW
Motor rating hydraulic pump	0.55 kW
Motor rating feed	0.25 kW

#### MEASURES AND WEIGHTS

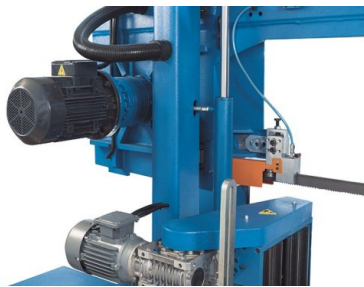
Overall dimensions (length x width x height)	3.1 m x 1 m x 1.8 m
Weight	1500 kg
Blade dimensions	5200 mm x 41 mm x 1.3 mm



*Driven feedrate rolls stop automatically when the material*



*Solid feed roller table and material guide for workpiece bundles*



*Powerful saw blade/feed motors and heavy-duty gears can handle demanding applications and high loads with quiet operation and minimal space requirement.*

## PRODUCT DETAILS

- Torsionally rigid machine frame made of a robust steel construction with high-quality linear guides
- Proven material feed system with hardened workpiece guide rollers and hydraulic workpiece clamping
- Shorter machining times are made possible by an advanced hydraulic saw frame feed design, including a new pressure control system to master any sawing tasks - infinitely variable setting of feed speed and cutting pressure
- All required settings are accessible and clearly labeled at the second control valve for easy adjustments
- Optical registration of the workpiece height allows empty runs in rapid feed mode for an optimum change-over to work feed and limiting of the vertical saw frame travel - everything is automated to reduce operator work load

## STANDARD EQUIPMENT

Saw-band  
Workpiece counter  
Band break control  
Coolant system  
Hydraulic clamping  
Mechanical saw blade tensioning with hydraulic pressure gauge  
Feed roller table 1,2 m  
Linear stop  
Operator instructions

## OPTIONAL EQUIPMENT

- chip conveyor, SKU : 251874
- hydraulic blade tensioning, SKU : 251875
- 3 meter roller table, SKU : 253890
- 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



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