



# Horizontal Metal 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 | 3 in |
|------------------|------|

### CUTTING CAPACITIES

|  |               |
|--|---------------|
| Cutting capacity 0° (round)                    | 17 in         |
| Cutting capacity 0° (square)                   | 17 in         |
| Cutting capacity 0° (flat) (length x width)    | 25 in x 17 in |
| Cutting capacity 45° (square) L                | 15 in         |
| Cutting capacity 45° (flat) L (length x width) | 17 in x 15 in |
| Cutting capacity 45° (round) L                 | 15 in         |
| Cutting capacity 45° (square) R                | 16 in         |
| Cutting capacity 45° (round) R                 | 17 in         |
| Cutting capacity 45° (flat) R (length x width) | 17 in x 16 in |
| Cutting capacity 60° R (round)                 | 10 in         |
| Cutting capacity 60° R (flat) (length x width) | 17 in x 10 in |
| Cutting capacity (+) 30° (square)              | 17 in         |

|                                   |                       |
|-----------------------------------|-----------------------|
| Cutting capacity (+) 30° (round)  | 17 in                 |
| Cutting capacity (+) 30° (flat)   | 17 in                 |
| Cutting capacity (-) 30° (round)  | 17 in                 |
| Cutting capacity (-) 30° (flat)   | 17 in                 |
| Cutting capacity (-) 30° (square) | 17 in                 |
| Blade speed                       | 49.05 fpm - 392.4 fpm |

### DRIVE CAPACITY

|                             |         |
|-----------------------------|---------|
| Main drive, continuous load | 5.36 Hp |
| Motor rating hydraulic pump | 1.5 Hp  |
| Motor rating coolant pump   | 0.2 Hp  |
| Supply voltage              | 400 V   |
| Mains frequency             | 50 Hz   |

### MEASURES AND WEIGHTS

|                        |           |
|------------------------|-----------|
| Saw blade length (max) | 248.03 in |
| Saw blade width (max)  | 1.61 in   |
| Saw blade thickness    | 0.05 in   |

|  |                        |
|--|------------------------|
| Overall dimensions (length x width x height) | 125 in x 73 in x 84 in |
| Weight                                       | 4510 lbs               |



## 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 (HB 440 DL)  
mechanical saw blade tensioning with hydraulic pressure gauge  
saw bow feed control

steplessly adjustable saw blade speed  
automatic guide arm adjustment  
hydraulic workpiece clamping with pressure adjustment  
3° saw blade tilt  
optical height adjustment  
bi-metal saw band  
saw band breakage sensor  
coolant 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