

Automatic Bandsaws type AFI

Best
Quality

Made in
EU
★★★



BS 350/60 AFI-E



BS 400/60 AFI-NC

Electronic and CNC automatic bandsaws, hydraulically driven; mitre cutting from 0° to 60° left. Cast iron sawframe with tubular section with electronic inverter for variable blade speed.

Various features for the automatic bandsaws:

- Adjustment of the blade tension from the front side of the sawframe, checked by an endstroke.
- Blade guides with hard metal pads, additional bearing for blade alignment.
- Maximum single stroke 515 mm, minimum stroke 4 mm, selection of the number of cuts (1-9999) and feeder strokes (1-29) by means of the keyboard.
- Feeder movements on chrome bars, high-precision of the positioning due to the incremental feeding on recirculating ball screw by self-bracking electric motor with inverter. Automatic calculation of the blade thickness.
- Manual selection of the cutting length and number of cuts on electronic versions with digital reading and decimal accuracy.
- Hydraulic fixed vice with pressure reducer, anti-burr hydraulic vertical vice on the unloading side.
- PLC driver with programming of all operations by means of the keyboard.
- Position sensor
- Easy stops at 0°, graduated plate to identify different angles
- CNC with programming of all operations; automatic calculation of the blade thickness. Up to 99 programs with 10 different cutting lengths and number of cuts can be memorized, with the possibility to repeat them more than once.
- Machine status shown on display, including blade speed, piece counter, and working anomalies. Connection for loading table with 2 vertical rollers, unloading slide, connection for unloading table for cutting pieces.
- Main switch with minimum tension coil, emergency button, thermic and magnetic motor protection.

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Standard and optional features for the AFI bandsaws:



Minimal lubrication



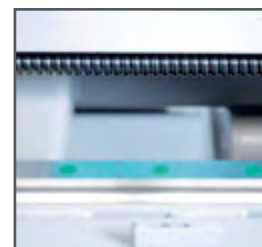
Bundle cutting



Hydr. device for
bundle cutting



Hydr. unit and
electrical panel



Screw feeder in all
automatic NC bandsaws

| Art. no. | Type | Feeder opening | Motor hydraulic unit | Tank cap. hydr. unit | Capacity coolant tank | Min. cuttable length | Scrap end |
|----------|------------------|----------------|----------------------|----------------------|-----------------------|----------------------|-----------|
| | | mm | kW | litres | litres | mm | mm |
| 31630 | BS 300/60 AFI-E | 300 | 0,75 | 20 | 100 | 4 | 210 |
| 31631 | BS 300/60 AFI-NC | 300 | 0,75 | 20 | 100 | 4 | 210 |
| 31632 | BS 350/60 AFI-E | 350 | 0,75 | 20 | 100 | 4 | 80 |
| 31633 | BS 350/60 AFI-NC | 350 | 0,75 | 20 | 100 | 4 | 80 |
| 31634 | BS 400/60 AFI-E | 400 | 0,75 | 20 | 100 | 4 | 80 |
| 31635 | BS 400/60 AFI-NC | 400 | 0,75 | 20 | 100 | 4 | 80 |



Keyboard for CNC automatic bandsaw

| Art. no. | Type | Function | Suitable for material | Angular cut | Cutting capacity 90° round/square/rect. | Blade size | Motor blade power | Blade speed | Dimension WxLxH | Height worktable | Weight |
|----------|------------------|--------------------|--------------------------------------|-------------|---|-------------|--------------------|-----------------------|-----------------|------------------|--------|
| | | | | | mm | mm | kW | m/min. | mm | mm | kg |
| 31630 | BS 300/60 AFI-E | semi-aut/automatic | steel/cast iron/high-strength steels | L: 0-45-60° | 255/230/300x180 | 2765x27x0,9 | 1,5/1,8 or 1,5 ESC | 35/70 or 15 ÷ 100 ESC | 1800x1850x1880 | 870 | 630 |
| 31631 | BS 300/60 AFI-NC | semi-aut/aut. CNC | steel/cast iron/high-strength steels | L: 0-45-60° | 255/230/300x180 | 2765x27x0,9 | 1,5 | 18 ÷ 110 | 1800x1850x1880 | 870 | 680 |
| 31632 | BS 350/60 AFI-E | semi-aut/automatic | steel/cast iron/high-strength steels | L: 0-45-60° | 305/250/350x200 | 3370x27x0,9 | 1,8 | 18 ÷ 110 ESC | 1850x1900x1990 | 880 | 840 |
| 31633 | BS 350/60 AFI-NC | semi-aut/aut. CNC | steel/cast iron/high-strength steels | L: 0-45-60° | 305/250/350x200 | 3370x27x0,9 | 1,8 | 18 ÷ 110 | 1850x1900x1990 | 880 | 890 |
| 31634 | BS 400/60 AFI-E | semi-aut/automatic | steel/cast iron/high-strength steels | L: 0-45-60° | 310/280/400x250 | 4020x34x1,1 | 2,2 | 18 ÷ 110 ESC | 1850x2200x1990 | 890 | 940 |
| 31635 | BS 400/60 AFI-NC | semi-aut/aut. CNC | steel/cast iron/high-strength steels | L: 0-45-60° | 310/280/400x250 | 4020x34x1,1 | 2,2 | 18 ÷ 110 | 1850x2200x1990 | 890 | 990 |