

MEBA
sawing solutions.

MEBAsteel

The clever solution for structural steel.



Machine Data Sheet

MEBAsteel

1100 DG
1250 DG

1100 DGA



MEBasteel 1100 DG, 1250 DG, 1100 DGA-3300

Technical Data

1100 DG	
type	semi automatic
30° li	Ø 420 420x430
45° li	Ø 510 700x430
90°	Ø 510 1100x430
45° re	Ø 510 700x430
30° re	Ø 450 450x430
motor	9,0 kW
saw blade	9300x54x1,6 mm
saw blade speed	15/150 m/min.
length of remaining piece without bundle clamp	manual: 40 mm automatic: –
length of remaining piece with bundle clamp	manual: – automatic: –
max. material size with bundle clamp	option not available
shortest Ø	10 mm
dimensions (LxWxH)	2250x4400x2300 mm
working height	630 mm
weight	5440 kg

1250 DG	
type	semi automatic
30° li	Ø 520 550x520
45° li	Ø 560 800x520
90°	Ø 620 1250x520
45° re	Ø 560 800x520
30° re	Ø 520 500x520
motor	14,5 kW
saw blade	10000x67x1,6 mm
saw blade speed	15/150 m/min.
length of remaining piece without bundle clamp	manual: 40 mm automatic: –
length of remaining piece with bundle clamp	manual: – automatic: –
max. material size with bundle clamp	option not available
shortest Ø	10 mm
dimensions (LxWxH)	2450x4700x2850 mm
working height	630 mm
weight	6650 kg



Standard equipment

- MEBA power package
- Lifting and lowering of the saw frame with a frequency regulated lead screw drive, with automatic cutting pressure and feed regulator.
- Display of lowering speed on scale
- Display of cutting pressure
- Stepless height adjustment by control panel
- NC mitre swivelling $\pm 30^\circ$ in both right and left directions
- Rapid lowering of the saw frame via button until material edge by height sensing
- Hydraulic material clamping with full stroke cylinder
- Robust 2-coulmn linear-guided saw frame
- Powerful, frequency-controlled saw blade drive
- 7° attack angle for extreme and fast sawing
- Saw blade drive stops after cut is finished
- Automatic adjustment of saw blade guidance to material width
- Combined precise saw blade carbide-roller guidance
- Hydraulic saw blade tension with pressure relief during standstill
- MEBA micro-coolant system
- Minimum speed- and saw blade control on the band-wheel
- Electronic SPS-control
- Free standing control panel

Extended standard equipment MEBasteel 1250 DG:

- Movable lifting rollers on both sides for maximum material supporting surface
- Clamping jaws opens both sides for frictionless material transport
- Wide material clamping capacity:
 - 1250 x 520 mm and Ø 620 mm at 0°
 - 800 x 510 mm and Ø 560 mm at $\pm 45^\circ$
- Passage height is changing depending on each clamping width



Technical Data

1100 DGA-3300	
type	CNC automatic
45° li	Ø 510 700x500
90°	Ø 510 1100x500
45° re	Ø 510 700x500
30° re	Ø 400 400x500
motor	9,0 kW
saw blade	9300x54x1,6 mm
saw blade speed	15/150 m/min.
length of remaining piece without bundle clamp	manual: 50 mm automatic: 330 mm
length of remaining piece with bundle clamp	manual: 315 mm automatic: 565 mm
max. material size with bundle clamp	Ø 510 / 1100x500 mm
shortest Ø	10 mm
dimensions (LxWxH)	7000x4500x2500 mm
working height	630 mm
weight	9000 kg

Standard equipment	
• MEBA power package	Lifting and lowering of the saw frame with a frequency regulated lead screw drive, with automatic cutting pressure and feed regulator.
• Display of lowering speed on scale	
• Display of cutting pressure	
• Step-less height adjustment by control panel	
• NC mitre swivelling $\pm 30^\circ$ in both right and left directions	
• Rapid lowering of the saw frame via button until material edge by height sensing	
• Hydraulic material clamping with full stroke cylinder	
• Robust 2-coulmn linear-guided saw frame	
• Powerful, frequency-controlled saw blade drive	
• Inclination of saw blade is at 3°	
• Saw blade drive stops after cut is finished	
• Automatic adjustment of saw blade guidance to material width	
• Combined precise saw blade carbide-roller guidance	
• Hydraulic saw blade tension	
• Complete coolant system with immersed pump, can be combined with MEBA micro-coolant system	
• Free standing control panel	



- **Unique, patented double-mitre system:** Rotating table avoids sawing up of the material support
- Material is always clamped rectangular and close to the saw blade.
- Minimum speed- and saw blade control on the band-wheel
- Electronic SPS-control
- Piece counter
- Step-less height adjustment by height sensing
- Movable guide arm
- Ergonomic panel based on "Windows CE" system software

