

Double mitre metal band saw

OPTIsaw SD 500AV

Semi-automatic. With Siemens Inverter Vario drive. Versatile application possibilities in trade and industry with up to 490 mm cutting capacity.

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼

3292385

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Metal band saws

» Swing frame metal band saws » OPTIsaw SD 500



Delivery content ▼

- Material stop
- Bi-metal saw band 4-6 ZpZ M42
- Machine substructure
- Coolant pump

Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	2,180 mm	Gross	715 kg	Delivery	Carrier	DualUse	✘
Width	970 mm	Net	660 kg	Content	1 pc(s).	SCIP	n/a
Height	1,130 mm					SVHC	No



Description ▼

- Heavy industrial version
- Quiet running
- Manual or semi-automatic operation
- Steplessly adjustable saw blade speed from 20-80 m/min
- High cutting accuracy due to vibration-free running
- Mitration adjustment -45° to 60° by swivelling the entire saw bow
- Standard with high quality bi-metall saw band
- Microswitch for automatic limit switch
- Coolant pump
- Ball bearing saw band guide with carbide plates for optimum cutting results
- Easy adjustment of the lowering speed by means of feed control valve in the control panel
- Large dimensioned, hydraulic quick-clamping vice, self-closing, laterally adjustable
- Manometer for correct saw blade tension
- Clear control panel

Function semi-automatic operation

- closing the vice and activating the motor
- lowering the saw bow for cutting
- stopping the motor and returning the saw bow to the starting position

Manufacturer

Optimum Maschinen Germany GmbH
Dr.-Robert-Pfleger-Str. 26, 96103 Hallstadt, Germany
info@optimum-maschinen.de

Media informations ▼



Saw band tension

- Easy and correct adjustment of the saw band tension by means of a manometer



Inverter

- SIEMENS Sinamics G110M
- Technically unique solution exclusively for OPTIMUM

Technical data ▾

Dimensions and weights			
Length (product) approx.	2129 mm	Width/depth (product) approx.	1046 mm
Height (product) approx.	1687 mm	Net weight approx.	645 kg
Electrical Data			
Drive motor output	3 kW	Supply voltage	400 V
Mains frequency	50 Hz	Engine power hydraulic pump	1,4 kW

Engine power coolant pump	0,1 kW	Total connected load	3,8 kW
Machine data			
Saw band speed(s)	20 – 80 m/min	Saw band length	3770 mm
Saw band width	34 mm	Saw band thickness	1,1 mm
Cutting angle from to	-45 60 °	Manual operation	hydraulic via push button
Semi-automatic operation	automatic		
Cutting ranges			
Cutting range 0° round (solid material)	355 mm	Cutting range 0° square (solid material)	300 mm
Cutting range 0° rectangular upright (solid material)	300 x 490 mm	Cutting range -45° round (solid material)	290 mm
Cutting range -45° square (solid material)	250 mm	Cutting range -45° rectangular upright (solid material)	250 x 250 mm
Cutting range +45° round (full material)	350 mm	Cutting range +45° square (solid material)	290 mm
Cutting range +45° rectangular upright (solid material)	290 x 340 mm	Cutting range +60° round (solid material)	230 mm
Cutting range +60° square (solid material)	180 mm	Cutting range +60° rectangular upright (solid material)	180 x 220 mm
Explanation Cutting range	Cutting range determined on the basis of the saw bow weight with aluminum. May vary when using different materials and may be smaller under certain circumstances (not cutting capacity).		
Product information EU 2023/2854			
Type of the generated data	Usage data	Format of the generated data	Common, machine-readable formats such as JSON
Amount of data	Up to 5 MB	Continuous data generation in real time	Yes
Data storage location	On the device	Data access	Via wireless interfaces
Further information	In the operating instructions or at info@stuermer-maschinen.de		