

# WIDOS Rotation Circular Saw



pipe saws and cutting devices

## WIDOS Rotation Circular Saw

Two types are available for the cutting and bevelling of plastic pipes:

Modell 315:  
from OD 110 up to OD 350  
Modell 500:  
from OD 180 up to OD 500

With this light transportable machine plastic pipes of polyolefine can be cut rightangled.

Cutting depth ~ 60 mm.

For the cutting of GPR-sheathed plastic pipes or GPR-pipes a special cutting plate can be mounted for the right-angled cutting.

### Set composition

Description	Qty.	kg	Order-no.
Rotation Circular Saw 315 (230 V)	1		5051315
Rotation Circular Saw 500 (230 V)	1	23,0	5125220
Rollerstand	1	13,0	513701
Fastening belt	1	0,4	513702
Replacement saw disc (model 315)	1	1,0	5015020
Transport case (model 315)	1		TK50315
Replacement saw disc (model 500)	1	1,0	541035
Transport case (model 315)	1	26,0	TK5138

# WIDOS Motor Hand Circular Saw with chain driving



## WIDOS Motor Hand Circular Saw with chain driving

The machine consists of a motorized hand saw, 230 V/1900 W with guide carriage and tensioning chain for each pipe diameter.

The tensioning chain is to be put around the pipe and tightened by means of the chain tensioner. The guidance vehicle is applied with the hand circular saw. After turning on the motor the saw is inserted. The pipe is then cut by driving around.

A quick, clean and right angled cut is the result.

Cutting depth ~ 60 mm.

The easy handling despite of a high cutting speed and an optimal safety do make the saw indispensable on each construction site.

Chain for standard pipes are available ex warehouse. Special dimensions only on request.

### Set composition

Description	Qty.	kg	Order-no.
The machine consists of a motor hand-operated-saw 230 Volt/1900 Watt with guide carriage	1	12,5	5410230
<b>Tensioning Chains</b>			
OD 355 mm	1	3,7	K510355
OD 400 mm	1	4,1	K510400
OD 450 mm	1	4,5	K510450
OD 500 mm	1	5,2	K510500
OD 560 mm	1	5,6	K510560
OD 630 mm	1	6,8	K510630
OD 710 mm	1	7,9	K510710
OD 800 mm	1	8,6	K510800
OD 900 mm	1	10,1	K510900
OD 1000 mm	1	11,0	K5101000
OD 1100 mm	1	12,0	K5101100
OD 1200 mm	1	13,5	K5101200
OD 1400 mm	1	15,5	K5101400
OD 1600 mm	1	17,8	K5101600
Chain tensioner	1	0,3	540110
Spare saw disc	1	1,0	513503

# WIDOS Sawing system 315



## WIDOS Sawing system 315 for plastic pipes up to OD 315 mm

Closed, modern steel-sheet construction, vulcanized rubber grating on the aluminium plate wheels, upper and lower precision guide in special building system 90° torsioned, protective doors with easy opening for the sawing blade change, sawing blade completely covered exempt the cutting area, direct drive via three-phase motor and automatic break system acc. to VBG7j.

Cutting power:

Pipe diameters up to 315 mm and up to 45° inclination both-sides swivelling (with 250 mm up to 67,5° one-side swivelling).

Mode of operating: the pipes are placed on the prism and adapted in the dimensions.

The saw including the guides is put into the desired angle position by means of the swivelling lever and the pipe is clamped. By moving the saw frame the desired cutting is reached. A special advantage

is the short time required for the setting and tooling of the machine, the setting for other/new cuttings and the short time for the cut itself. The line laser available in the special implements is a considerable help for the adjustment of the pipes since it shows the later course of the cut.

### Set composition

Description	Qty.	kg	Order-no.
Jigsaw 315 basic machine, 400 V/550 W	1	95,0	99315
Line laser	1	0,1	993152
Support extension	1	19,5	993151
Replacement saw	1		RS31501
Transport case	1		

# WIDOS Sawing installation RS 630/800/1000/1200



## WIDOS Sawing installation RS 630/800/1000/1200

The sawing installation RS in extra-solid design has been developed particularly for the exact cutting of plastic pipes and meets highest requirements with-in modern production lines.

The extremely solid saw bow is optimized for operation with low vibration and is driven on precise linear guides. The band drive with high torque performance is equipped with a brake so that any after-running after switching off or after pushing the emergency-off button is avoided. The forward feed is secured against saw forces being too high by means of a safety clutch and totally insensitive to the produced cuttings. The complete forward feed unit is mounted on a high loadable live ring and can easily be turned manually for 45° or 67,5° when being unlocked pneumatically. The band position and the set angle are displayed on digital devices which can be adjusted to zero very easily by

means of pneumatic centering devices. The pipe supports have an extremely solid design so that even heaviest pieces can be clamped safely and displaced on the exchangeable sliding coatings with minimal expenditure of force. Extensions for the pipe supports are available as option. The pipes are clamped by means of a pneumatic cylinder over the complete area to be worked, an initial adjusting to the pipe dimension is not necessary. When using an optional transverse support in connection with an integrated turning of the band and a digital display and locking of the position, a negative radial cut for the fabrication of reduced branches at T- and Y-pieces can be easily performed. Due to the solid base of the complete installation, assembling works in the workshop become unnecessary, only the horizontal adjustment by means of adjusting screws has to be carried out.

### Set composition

Description	Qty.	kg	Order-no.
Bandsaw RS basic machine, 400 V	1		
Pneumatic pipe clamping	1		
Extension of the pipe support	1		
Line laser	1		
Feed motor	1		
Accessory for negative radial cut	1		