

Ring and profile bending machines

PRM 10 – Manual or motorised ring bending machines, horizontal and vertical use for profiles, tubes and solid material

- ▶ Machine with standard tool suitable for bending square material
- ▶ Drive of the two lower rollers by hand crank

- ▶ Rollers hardened and ground
- ▶ Steel shafts, hardened and ground
- ▶ Delivery via upper roller
- ▶ Bending possible in vertical and horizontal positions

PRM 10 E

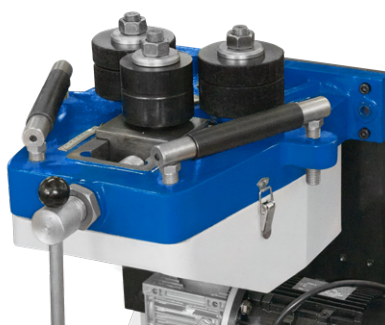
- ▶ Motorised version
- ▶ Horizontal and vertical working options
- ▶ Powerful 400-volt motor
- ▶ Left/right rotation via foot pedal



PRM 10 M



PRM 10 E



PRM 10 E
Horizontal working position

Scope of delivery:

- › Standard bending rollers (see table on the right)
- › Mobile foot pedal for left-right rotation with emergency stop (PRM 10 E)
- › Levelling rollers
- › Machine base

Model	PRM 10 M	PRM 10 E
Art. no.	3780010	3780011
Technical data		
Shaft Ø	30 mm	30 mm
Roller Ø top	98 mm	98 mm
Roller Ø bottom	118 mm	118 mm
speed	-	2.5 m/min
Motor power ~50 Hz	-	1.1 kW / 400 V
Dimensions (L x W x H) approx.	620 x 560 x 1440 mm	700 x 700 x 1400 mm
Weight approx.	165 kg	230 kg

Prices for optional bending rollers on request

Bending performance

Profile type	max./min. Size mm	min. Bending Ø mm
Bending options with Standard-Bending rollers:		
	20 x 20 10 x 10	500 160
	30 x 10 20 x 5	500 190
	50 x 10 40 x 5	400 160
	35 x 4.5 30 x 4	600 400
	35 x 4.5 30 x 4	600 400
	35 x 4.5 30 x 4	700 500
	35 x 4.5 30 x 4	700 500

Bending performance

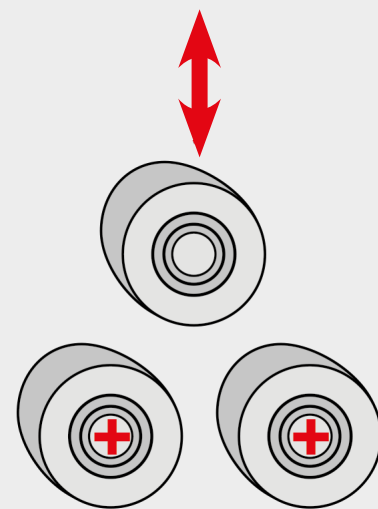
Profile type	max./min. Size mm	min. Bending Ø mm
Bending options with optional bending rollers:		
	30 x 30 x 2 20 x 20 x 2	900 600
	38 x 20 x 2 30 x 15 x 1.5	1000 600
	Ø 20 Ø 10	500 160
	Ø 33 x 3 Ø 26 x 2.5	700 500
	Ø 1" x 1 Ø 1" x 1.5	800 400
	35 x 35 x 4 30 x 30 x 4	800 400
	35 x 35 x 4 30 x 30 x 4	800 400

The performance specifications apply to material with a maximum yield strength of 24kg/mm².
Bending capacity with VA: Factor 0.7.

Motorised ring and profile bending machines

PRM 31 F – Motorised ring bending machine, can be used horizontally and vertically for profiles, pipes and solid material

- ▶ Heavy welded steel construction
- ▶ Horizontal and vertical working options
- ▶ Lower rollers driven directly by motor
- ▶ Hardened rollers
- ▶ Shafts made of special steel, hardened and ground
- ▶ Delivery via the upper roller
- ▶ Infinitely adjustable side guide rollers
- ▶ Left/right rotation via foot pedal
- ▶ Mobile control panel with foot control
- ▶ Standard tool for versatile use



Model	PRM 31 F
Art. no.	3812031
Technical data	
Shaft Ø	30 mm
Roller Ø top	148 mm
Roller Ø bottom	118 mm
speed	4 m/min
Motor power ~50 Hz	0.75 kW / 400 V
Dimensions (L x W x H) approx.	600 x 800 x 1450 mm
Weight approx.	220 kg

1) For explanation of the packaging surcharge see overleaf, details of TVP plus VAT

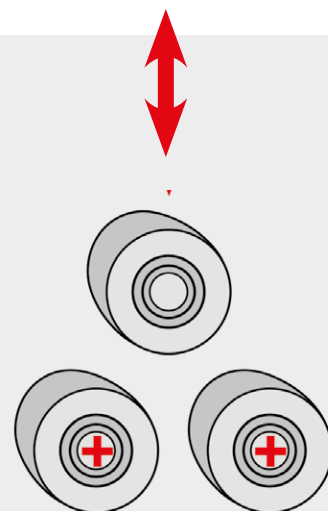
Scope of delivery:

- › Standard bending rollers
(see table on the right for bending options)
- › Mobile foot pedal for left-right rotation with emergency stop
- › Levelling rollers
- › Machine base

Motorised ring and profile bending machines

PRM 35 F – Motorised ring and profile bending machine, can be used horizontally and vertically for profiles, pipes and solid material

- ▶ Heavy welded steel construction
- ▶ Horizontal and vertical working options
- ▶ Lower rollers motor-driven
- ▶ Rollers are hardened
- ▶ Steel shafts, hardened and ground
- ▶ Delivery via the upper roller
- ▶ Infinitely adjustable side guide rollers
- ▶ Left/right rotation via foot pedal
- ▶ Standard tool for versatile use



Horizontal and vertical working options

Model	PRM 35 F
Art. no.	3812035
Technical data	
Shaft Ø	50 mm
Roller Ø top	155 mm
Roller Ø bottom	155 mm
speed	4.5 m/min
Motor power ~50 Hz	1.5 kW / 400 V
Dimensions (L x W x H) approx.	750 x 1000 x 1400 mm
Weight approx.	400 kg

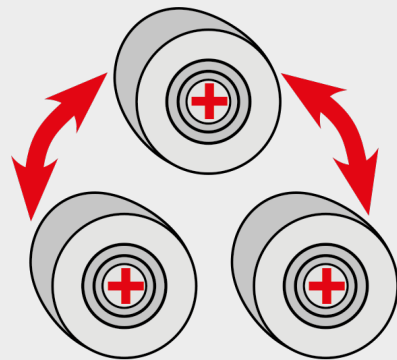
Scope of delivery:

- › Standard bending rollers (see table on the right for bending options)
- › Mobile foot pedal for left-right rotation with emergency stop
- › Levelling rollers
- › Machine base

Motorised ring and profile bending machines

PRM 40 FH – Motorised ring and profile bending machine with hydraulic feed, can be used horizontally and vertically for profiles and pipes, with foot control

- ▶ Heavy cast construction
- ▶ Hardened bending rollers
- ▶ Shafts made of special steel, hardened and ground
- ▶ Infinitely adjustable side guide rollers
- ▶ All 3 rollers driven by gears
- ▶ Horizontal and vertical working position
- ▶ Suitable for particularly small bending diameters due to orbitally adjustable lower rollers
- ▶ Powerful hydraulic roller infeed
- ▶ Mobile control panel with two digital displays for the feed rollers
- ▶ Straightening rollers suitable for bending angle iron as standard



Model	PRM 40 FH
Art. no.	3812040
Technical data	
Shaft Ø	35 mm
Roller Ø	137 mm
speed	7 m/min.
Motor power ~50 Hz	1.1 kW / 400 V
Dimensions (L x W x H) approx.	1050 x 500 x 1250 mm
Weight approx.	350 kg

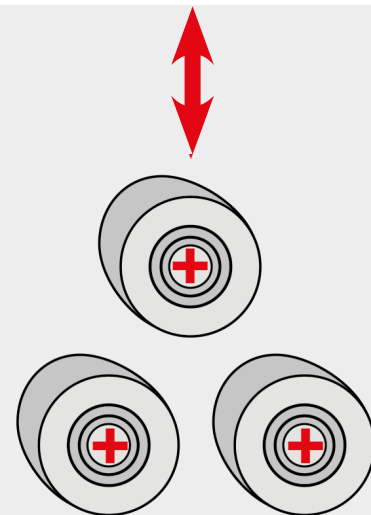
Scope of delivery:

- › Standard bending rollers (see table on the right for bending options)
- › Digital displays for infeed rollers
- › Mobile control panel
- › Levelling rollers
- › Machine base

Motorised ring and profile bending machines

PRM 50 FH – Motorised ring and profile bending machine with hydraulic feed, can be used horizontally and vertically for profiles, pipes and solid material

- ▶ Heavy welded steel construction
- ▶ Hydraulic feed of the upper roller
- ▶ Digital display for delivery roller
- ▶ All 3 rollers are driven and hardened
- ▶ Infinitely adjustable side guide rollers
- ▶ Separate control panel with foot control



Model	PRM 50 FH
Art. no.	3812036
Technical data	
Shaft Ø	50 mm
Roller Ø top	162 mm
Roller Ø bottom	152 mm
speed	4.5 m/min.
Hydraulic pressure	8 t
Motor power ~50 Hz	1.1 kW / 400 V
Dimensions (L x W x H) approx.	810 x 950 x 1500 mm
Weight approx.	500 kg

Scope of delivery:

- › Standard bending rollers (for bending options, see table on the right)
- › Mobile foot pedal for left-right rotation with emergency stop
- › Levelling rollers
- › Digital display for delivery roller

Motorised ring and profile bending machines

PRM 60 FH – Motorised ring and profile bending machine with hydraulic feed, can be used horizontally and vertically for profiles, pipes and solid material

- ▶ Heavy welded steel construction
- ▶ Hydraulic feed of the upper roller
- ▶ Digital display for delivery roller
- ▶ All 3 rollers driven and hardened
- ▶ Infinitely adjustable side guide rollers
- ▶ Separate control panel with foot control



Model	PRM 60 FH
Art. no.	3812060
Technical data	
Shaft Ø	60 mm
Roller Ø top	215 mm
Roller Ø bottom	215 mm
speed	4 m/min.
Hydraulic pressure	16 t
Motor power ~50 Hz	1.5 kW / 400 V
Dimensions (L x W x H) approx.	1000 x 1400 x 1650 mm
Weight approx.	950 kg

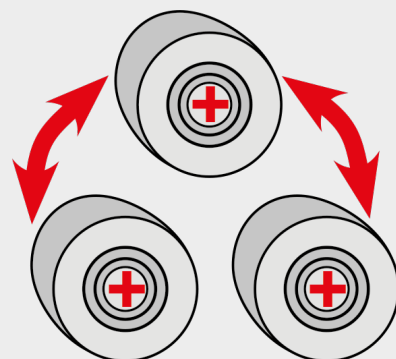
Scope of delivery:

- › Standard bending rollers (for bending options, see table on the right)
- › Mobile foot pedal for left-right rotation with emergency stop
- › Levelling rollers
- › Digital display for delivery roller

Hydraulic ring and profile bending machines

PRM 80 FH – Hydraulic ring and profile bending machine, can be used horizontally and vertically for profiles, pipes and solid material

- ▶ Heavy welded steel construction
- ▶ Horizontal and vertical working options
- ▶ All three rollers driven and hardened
- ▶ Hydraulic feed via two lower rollers
- ▶ Infinitely adjustable side guide rollers
- ▶ Separate control panel with 2 digital displays for two infeed rollers



Scope of delivery:

- › Standard bending rollers (for bending options, see table on the right)
- › Mobile control panel
- › Digital display for each lower feed roller
- › Manual straightening rollers

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Model	PRM 80 FH
Art. no.	3812080
Technical data	
Rollers Ø	245 mm
Roller holder shaft Ø top	80 mm
Roller holder shaft Ø bottom	70 mm
speed	6 m/min.
Motor power ~50 Hz	4 kW / 400 V
Dimensions (L x W x H) approx.	1450 x 1000 x 1400 mm
Weight approx.	1700 kg

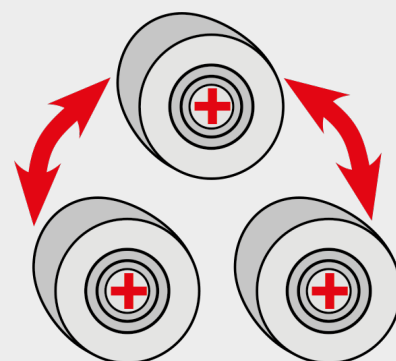


PRM 80 FH in horizontal working position

Hydraulic ring and profile bending machines

PRM 100 FH – Hydraulic ring and profile bending machine, can be used horizontally and vertically for profiles, pipes and solid material

- ▶ Heavy welded steel construction
- ▶ Horizontal and vertical working options
- ▶ All three rollers driven by hydraulic motor and planetary gearbox
- ▶ Rollers are hardened
- ▶ Hydraulic feed via two lower rollers
- ▶ Infinitely adjustable side guide rollers
- ▶ Separate control panel with foot control and 2 digital displays



**Larger machines
on request**

Scope of delivery:

- › Standard bending rollers (for bending options, see table on the right)
- › Mobile control panel
- › Digital display for each lower feed roller
- › Manual straightening rollers

**ASK FOR YOUR PERSONALISED
OFFER!**

Model	PRM 100 FH
Art. no.	3812100
Technical data	
Rollers Ø	315 mm
Roller holder shaft Ø top	100 mm
Roller holder shaft Ø bottom	100 mm
speed	7 m/min.
Motor power ~50 Hz	7.5 kW / 400 V
Dimensions (L x W x H) approx.	2000 x 1450 x 1700 mm
Weight approx.	3650 kg



*PRM 100 FH in
horizontal working position*