

Roll grooving machine

Roll grooving machine from TPMC is designed to create consistent, precise grooves at steel pipe ends.

The electric stationary grooving machine uses a gear-reduction motor to rotate the pipe, while a pinch roller is manually fed radially against the rotating pipe, forming a uniform groove with hydraulic power.

The manual grooving machine is ideal for tight spaces or jobsites without power. Lightweight and portable, it uses a hydraulic mechanism to groove 3/4" to 8" pipe.

Both machines are CE certified and feature an integrated hydraulic pump and groove depth limiter, delivering accurate, efficient performance in a compact design.



P3108



P3112



P3120



- Certificate: CE certified
- Standard: EN ISO 12100, EN 60204-1
- Capacity: Carbon steel or stainless steel pipe; bare, coated (FBE, painted, galvanized), or plastic lining
- Type: Electric stationary (1" ~ 12")
Manual (3/4" ~ 8")
- Surface: Red, white, or custom color

Main parts and materials

Frame	Electrical stationary: cast iron construction, 4 legs (folding carriage optional) or 2 wheels for mobility	Motor	Gear reduction motor, or non
Hydraulic system	Integrated pump, cylinder, oil tank, and manual control valve	Accessories	Standard accessories included; optional accessories available on request

Available sizes

Allowed pipe size (NPS)	Pipe thickness	Drive type	Motor	Power	Packing size (mm)	Ref. No.
1" ~ 8"	SCH40 (SCH10)*	Electrical stationary	1P or 3P	750 W	750 x 410 x 720	P3108 (CE)
2" ~ 12"	SCH40 (SCH10)*	Electrical stationary	1P or 3P	1100 W	780 x 700 x 920	P3112 (CE)
3/4" ~ 8"	SCH40	Manual	-	-	250 x 150 x 250	P3120 (CE)

Note:

1. * Standard accessories are for SCH40; SCH10 is optional.
2. For 1P motors, available in 110/120/220/230/240 V, 50/60 Hz. Supplied with power cord plug (BS / NEMA / CN types available).
3. For 3P motors, available in 220/380/415/440 V, 50/60 Hz.

Roll grooving machine

Standard accessories for P3108 (NPS 1" ~ 8")



► Light pipe stand	1 set	Pipe bracket, for pipe length $L \leq 6$ m
--------------------	-------	--



► Knurl wheel (for SCH40)	1 set	For pipe NPS 1" to 1-1/2"
	1 set	For pipe NPS 2" to 3"
	1 set	For pipe NPS 3-1/2" to 6"
	1 set	For pipe NPS 8"



► Pinch roller	1 set	For pipe NPS 1" to 1-1/2"
	1 set	For pipe NPS 2" to 6"
	1 set	For pipe NPS 8"

Optional accessories for P3108 (NPS 1" ~ 8")



► Light pipe stand	1 set	Pipe bracket, for pipe length $6 < L \leq 12$ m
--------------------	-------	---



► Knurl wheel (for SCH10)	1 set	For pipe NPS 1" to 1-1/2"
	1 set	For pipe NPS 2" to 3"
	1 set	For pipe NPS 3-1/2" to 6"
	1 set	For pipe NPS 8"



► Wheel stand	1 set	Supports machine and facilitates easy mobility
---------------	-------	--



► Pi tape	1 set	Simple to check the groove accuracy
-----------	-------	-------------------------------------

Roll grooving machine

Standard accessories for P3112 (NPS 2" ~ 12")



► Heavy pipe stand	1 set	Pipe bracket, for pipe length $L \leq 6$ m
--------------------	-------	--



► Knurl wheel (for SCH40)	1 set	For pipe NPS 2" to 2-1/2"
	1 set	For pipe NPS 3" to 6"
	1 set	For pipe NPS 8" to 12"



► Pinch roller	1 set	For pipe NPS 2" to 6"
	1 set	For pipe NPS 8" to 12"

Optional accessories for P3112 (NPS 2" ~ 12")



► Heavy pipe stand	1 set	Pipe bracket, for pipe length $6 < L \leq 12$ m
--------------------	-------	---



► Knurl wheel (for SCH10)	1 set	For pipe NPS 2" to 2-1/2"
	1 set	For pipe NPS 3" to 6"
	1 set	For pipe NPS 8" to 12"



► Wheel stand	1 set	Supports machine and facilitates easy mobility
---------------	-------	--



► Pi tape	1 set	Simple to check the groove accuracy
-----------	-------	-------------------------------------

Roll grooving machine

Standard accessories for P3120 (NPS 3/4" ~ 8")



► Knurl wheel (for SCH40)

1 set	For pipe NPS 3/4" to 1"
1 set	For pipe NPS 1-1/4" to 1-1/2"
1 set	For pipe NPS 2" to 6"
1 set	For pipe NPS 8"



► Pinch roller

1 set	For pipe NPS 3/4" to 1-1/2"
1 set	For pipe NPS 2" to 6"
1 set	For pipe NPS 8"



► Hand crank

1 set	For manual operation
-------	----------------------

Optional accessories for P3140 (NPS 3/4" ~ 8")



► Pi tape

1 set	Simple to check the groove accuracy
-------	-------------------------------------