

PIPE PREP. EQUIPMENT

Model 1112 • 1" – 12" Pipe

Portable Roll Groover

Model 1112 requires just three Top Rollers and three Bottom Rollers to produce specification quality grooves in pipe from 1" through 12" diameter Schedule 40. Easily portable for on-the-job work, the Model 1112's electric motor rotates pipe at speeds of 35 RPM. The hand hydraulic pump will deliver up to 15,000 psi pressure at the point of roll grooving. The Model 1112 is ruggedly built to deliver long, trouble-free service.

Model 1112 Specifications

Capacity: 1" - 12" SCH 40 (10mm)
2" - 6" Copper Tubing K, L, M and DWV

Pipe Rotation Speed: 35 RPM

Hydraulic Pressure at Roller: 15,000 psi max

Spindle Height from Floor: 35" (889mm)

Electric Motor: 1½ HP 60Hz 110 V.1 PH.*

Floor Space Required: 32" x 32" (813 x 813mm)

Shipping Weight: 220 lbs. (100 kg)

Interchangeable Rollers:

Top Pipe Diameter:

- 1" - 1½" (25mm - 38mm)
- 2" - 6" (51mm - 152mm)
- 8" - 12" (203mm - 305mm)

Bottom Pipe Diameter:

- 1" - 1½" (25mm - 38mm)
- 2" - 6" (51mm - 152mm)
- 8" - 12" (203mm - 305mm)

*Other current characteristics available.

Standard Equipment: Electric Drive Motor • Groove Depth Gauge • Hydraulic Hand Pump • Top and Bottom Rollers 1 - 12" • Shipping/Storage Box • Guards • Foot Switch

Optional Equipment: Top and Bottom Copper Rollers 2 - 8"; Nipple Bracket



Portable Roll Groover

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Model 1012 • 1" – 12" Pipe

Portable Roll Groover

For Grooving 1" - 12" schedule 40, the Model 1012 is designed with a new hydraulic ratio along with an advanced spindle design which allows greater strength and pressure in a compact package for grooving up to 12" Schedule 40, using a standard model Ridgid® 300.

A hydraulic hand pump will deliver increased pressure for grooving up to 0.406 wall pipe to specification quality grooves. Top and bottom roll change is made easy with cross taper pin in the bottom roll and socket set screw in the top roll for positive no slip design.



Portable Roll Groover

Model 1012 Specifications

Capacity: 1" - 12" SCH 40 (10mm)
2" - 6" Copper Tubing K, L, M and DWV

Shipping Weight: 125 lbs.

Interchangeable Rollers:

Top Pipe Diameter:

- 1" - 1½" (25mm - 38mm)
- 2" - 6" (51mm - 152mm)
- 8" - 12" (203mm - 305mm)

Bottom Pipe Diameter:

- 1" - 1½" (25mm - 38mm)
- 2" - 6" (51mm - 152mm)
- 8" - 12" (203mm - 305mm)

Optional Equipment: Pipe Nipple and Stabilizer Bracket

Model 1022 • 1¼" – 16" Pipe

Pipe Groover for Mounting on Ridgid® 300 Pipe Threader

Get double duty from the Ridgid 300 Pipe Threader by converting it to a pipe groover with the Model 1022 Pipe Groover. Designed for quick, easy mounting on standard Model 300, the 1022 Pipe Groover can roll grooves in pipe from 1¼" - 16" diameter. The hand hydraulic pump will deliver up to 16,000 psi pressure at the point of roll grooving. Pipe Threader's motor will rotate the pipe to produce specification quality grooves in pipe.



Pipe Groover for Mounting on Ridgid® 300 Pipe Threader

Model 1022 Specifications

Capacity: 1¼" - 12" SCH 40 (10mm)
12" - 16" Standard Wall 0.375 (9.5mm)
2" - 6" Copper Tubing K, L, M and DWV

Hydraulic Pressure at Roller: 16,000 psi. max.

Shipping Weight: 285 lbs. (129.3 kg)

Interchangeable Rollers:

Top Pipe Diameter:

- 1¼" - 1½" (32mm - 38mm)
- 2" - 3½" (51mm - 89mm)
- 4" - 6" (102mm - 152mm)
- 8" - 12" (203mm - 305mm)
- 14" - 16" (356mm - 407mm)

Bottom Pipe Diameter:

- 1¼" - 1½" (32mm - 38mm)
- 2" - 3½" (51mm - 89mm)
- 4" - 6" (102mm - 152mm)
- 8" - 12" (203mm - 305mm)
- 14" - 16" (356mm - 407mm)

Standard Equipment:

Grooved Depth Gauge • Hydraulic Hand Pump • Rollers 1¼" - 16" • Shipping/Storage Box • Pipe Nipple and Stabilizer Bracket • Guards

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Model 1041 • 1" – 12" Pipe

Roll Grooving Attachment for use with Rigid® 300 Pipe Threader

- Quickly converts your Rigid 300 Threader to a production roll groover.
- Mounts/dismounts easily on standard Model 300.

Model 1041 Specifications

Capacity: 1" - 6" SCH 40 (6mm)
 1" - 12" SCH 10 (5mm)
 2" - 6" Copper Tubing K, L, M and DWV

Maximum Pressure at Roller: 8000 psi

Shipping Weight: 94 lbs. (42.6 kgs)

Interchangeable Rollers:

Top Pipe Diameter:

- 1" - 6" (25mm - 152mm)
- 8" - 12" (203mm - 305mm)

Bottom Pipe Diameter:

- 1" - 1½" (25mm - 38mm)
- 2" - 6" (51mm - 152mm)
- 8" - 12" (203mm - 305mm)



Roll Grooving Attachment mounted on Rigid 300 Pipe Threader

Model 1010 • 1½" - 12" Pipe

Portable Roll Groover

Produces accurately rolled grooves in a wide range of pipe types-including newer varieties of thin-wall pipe. Use it in the shop or at the job site. Easily operated hydraulic hand pump delivers up to 8000 psi of rolling force to the pipe face. Pre-set depth gauge automatically controls depth of rolled groove. Pipe is rotated by means of a speed reducer driven by the unit's electric motor. The drive shaft and idler shaft are machined from Vacuum Melt Aircraft quality alloy steel to insure long service life. Easily interchangeable Top and Bottom Rollers (average time: less than 3 minutes) permits rapid change of pipe diameters with nominal set-up costs.

Shipped in a durable, reuseable hinged box.

Model 1010 Specifications

Capacity: 1½" - 6" SCH 40 (6mm)
 1½" - 12" SCH 10 (5mm)

Pipe Rotation Speed: 30 RPM

Hydraulic Pressure at Roller: 8,000 psi. max.

Spindle Height from Floor: 33" (838mm)

Electric Motor: 1½ HP 60 Hz 110 V. 1 PH*

Floor Space Required: 32" x 32" (813mm x 813mm)

Shipping Weight: 300 lbs. (136 kgs)

Interchangeable Rollers:

Top Pipe Diameter:

- 1½" - 6" (38mm - 152mm)
- 8" - 12" (203mm - 305mm)

Bottom Pipe Diameter:

- 1½" (38mm)
- 2" - 3½" (51mm - 89mm)
- 4" - 6" (102mm - 152mm)
- 8" - 12" (203mm - 305mm)

*Other current characteristics available.

Standard Equipment:

Electric Motor • Groove Depth Gauge • Hydraulic Pump • Shipping/Storage Box •
 Rolls as Specified in Price List • Guards • Foot Switch



Portable Roll Groover

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Model 1023 • 1 1/4" – 24" Pipe

Portable Roll Groover

Portable Pipe Groover has been designed with a heavy-duty, high efficiency gear reducer. The helical inline gear reducer with only 5 percent energy loss, will allow grooving 1 1/4" - 24" with a 110 volt electrical service. The hand hydraulic pump applies up to 16,000 psi at the point of roll grooving to produce accurate grooves for quick installation of pipe couplings. Use it at the job site or in the shop. Top and bottom rollers are easily interchanged to handle a wide range of pipe diameters. Additional roll sets are available for copper tube grooving and also flush seal gasket dimensions.



Portable Roll Groover

Model 1023 Specifications

Capacity: 1 1/4" - 12" SCH 40 (10mm)
12" - 24" Standard Wall 0.375 (9.5mm)
2" - 6" Copper Tubing K, L, M and DWV

Spindle Speed: 30 RPM

Hydraulic Pressure at Roller: 16,000 psi. max.

Spindle Height from Floor: 33" (838mm)

Electric Motor: 1 1/2 HP 60 Hz 110 V. 1 PH

Floor Space Required: 31 1/2" x 33 1/2" (800mm x 857mm)

Shipping Weight: 430 lbs.

Interchangeable Rollers:

Top Pipe Diameter:

- 1 1/4" - 1 1/2" (32mm - 38mm)
- 2" - 3 1/2" (51mm - 89mm)
- 4" - 6" (102mm - 152mm)
- 8" - 12" (203mm - 305mm)
- 14" - 16" (356mm - 407mm)
- 18" - 24" (457mm - 610mm)

Bottom Pipe Diameter:

- 1 1/4" - 1 1/2" (32mm - 38mm)
- 2" - 3 1/2" (51mm - 89mm)
- 4" - 6" (102mm - 152mm)
- 8" - 12" (203mm - 305mm)
- 14" - 16" (356mm - 407mm)
- 18" - 24" (457mm - 610mm)

Standard Equipment:

Electric Motor • Grooved Depth Gauge • Hydraulic Hand Pump • Shipping/Storage Box • Rolls as Specified in Price List • Guards • Foot Switch

Model 4037 • 8" – 24" Pipe

Nipple Bracket

The Model 4037 Nipple Bracket was developed to permit safer, more efficient roll grooving of pipe too short to mount in a pipe stand. The plastic composition clamp-roller fixes the pipe nipple in a controlled, slightly eccentric position so that the pipe is held firmly against the back flange of the bottom roller as it rotates. Pipe nipples as short as 6" can be grooved using this tool, permitting high production rates without the need for manual positioning by shop personnel.

Model 4037 Specifications

Capacity: 8" - 24" Pipe
Fits Model 1023 Roll Groovers



Nipple Bracket

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Model 2021 • 1 $\frac{1}{4}$ " – 24" Pipe

Automated Roll Groover

Six easily interchanged Top and Bottom Rollers give Model 2021 the versatility to meet virtually any piping system requirement. The self-contained hydraulic system provides up to 16,000 psi pressure at the point of roll grooving. Hydraulic pressure is adjustable to provide optimum grooving efficiency for all diameters and wall thicknesses within the machine's range. Model 2021 is shipped completely assembled with Top and Bottom Rollers 4" - 6" installed on machine.

Model 2021 Specifications

Capacity: 1 $\frac{1}{4}$ " - 12" SCH 40 (10mm)
12" - 24" Standard Wall 0.375 (9.5mm)
2" - 6" Copper Tubing K, L, M and DWV

Pipe Rotation Speed: 30 RPM

Hydraulic Pressure at Roller: 16,000 psi. max.

Spindle Height from Floor: 33" (838mm)

Electric Motor: 3 HP 60 Hz 220 V. 3 PH*

Hydraulic Pump Motor: 1 HP 60 Hz 220 V. 3 PH

Floor Space Required: 30" x 22" (762mm x 559mm)

Shipping Weight: 640 lbs. (290 kgs)

Interchangeable Rollers:

Top Pipe Diameter:

1 $\frac{1}{4}$ " - 1 $\frac{1}{2}$ " (32mm - 38mm)
2" - 3 $\frac{1}{2}$ " (51mm - 89mm)
4" - 6" (102mm - 152mm)
8" - 12" (203mm - 305mm)
14" - 16" (356mm - 407mm)
18" - 24" (457mm - 610mm)

Bottom Pipe Diameter:

1 $\frac{1}{4}$ " - 1 $\frac{1}{2}$ " (32mm - 38mm)
2" - 3 $\frac{1}{2}$ " (51mm - 89mm)
4" - 6" (102mm - 152mm)
8" - 12" (203mm - 305mm)
14" - 16" (356mm - 407mm)
18" - 24" (457mm - 610mm)

*Other current characteristics available.

Standard Equipment:

Electric Drive Motor • Limit Switch for Depth Gauging • Grooved Depth Gauge • Hydraulic Pump • Model 4037 Nipple Bracket • Rolls as Specified in Price List • Guards • Foot Switch



Automated Roll Groover

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Model 3013 • 1¹/₄" - 12" Pipe, up to 4¹/₂" dia. holes

Porta-Bore

- Solid alloy aluminum construction
 - Slide and gibbs are heat treated aluminum that is Teflon® coated to insure long life. Slide assembly is positioned together by gauge block machining. This assembly is located by dowelled gibbs that are precisely aligned with the V-block. There are no elongated holes which could allow missalignment.
 - Motor is a 10 Amp draw industrial drill motor with internal 4-speed gear box 110, 175, 245, 385 RPM. Spindle bore is a No. 3 Morse Taper.
 - Electrical panel meets the highest standard of operating safety. A circuit breaker assures no safety hazard to the operator or machine.
 - Arbor support design for use with Slugger cutters, or drill chuck for use with hole saws or drills.
 - Chain clamp is standard on all units and clamps to pipe diameters 1¹/₄" - 12"*
 - Optional speed toggle clamp, clamps to 1¹/₄" - 6" pipe*.
- * Both clamps ensure positive holding during hole cutting operations and can be used in any position.*
- Oil Feed - the arbor is designed with an oil reservoir for automatic gravity feed during the cutting operation in the vertical position.
 - Easy part replacement. Building block design allows easy part repair or replacement. (No need to ship machine out for repair.)



Porta-Bore

Model 3013 Specifications

- Heavy Duty - 42 lbs.; 110, 175, 245, 385 RPM.
- Cuts up to 4¹/₂" diameter holes in 1¹/₄" - 12" pipe.
- 110 volts 10 amps (220 volts available).

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Pipe Support Stands

Pipe support stands should always be used when rolling or cutting grooves in pipe. For cut grooving they are essential to keep the pipe level; for roll grooving, stands are adjusted to provide the slight downward pitch needed to keep the end of the pipe in firm contact with the back flange of the bottom roller.

MODEL 4031

Capacity: 1" - 4" Pipe; 600 lbs. max.

A 22" diameter base and 2" column give this stand plenty of strength for supporting any pipe in its size range. The Saddle has two roller bearings for free rotation of the pipe and absorbs vibration to ensure a smooth, uniform groove. Saddle height is adjustable over a 10" (254mm) range.

The two-roller-bearing saddle may be ordered alone as no. 4032 . Replacement roller bearing is no. 4025



MODEL 4000

Capacity: 2" - 8" Pipe; 900 lbs. max.

The base of this stand is the same as used in Model 4031, above. A Saddle with four roller bearings provides greater side support for the pipe and increased dampening of vibration without impairing the unit's free-rolling characteristics. Saddle height is adjustable over a 10" (254mm) range.

The four-roller-bearing saddle may be ordered alone as no. 4001. Replacement roller bearing is no. 4025



MODEL 4033

Capacity: 2" - 14" Pipe; 1200 lbs. max.

This extra heavy duty pipe support stand uses two 2" columns on a 22" diameter base to give it exceptional stability and resistance to vibration and pendulum effect. Each column incorporates a sturdy, threaded post, adjustable over a 10" (254mm) range. The saddle utilizes six roller bearings in an array that provides excellent support for all pipes in its size range.

Replacement roller bearing is no. 4025



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MINI-MITES™

Roll Groovers for handling the unexpected

Mini-Mite roll groovers allow you handle anything when you get on the job site. They're handy, portable job-site tools that can save you hours of waiting for pipe to come back from the shop. New design has roller bearing front and back on main shaft.

Model 1039

1 1/4" - 6" SCH 40, 2" - 8" Copper Tube

With ratchet hand crank, roll grooves 1 1/4" - 6", Schedule 40 or thin wall steel pipe on the scaffold or anywhere power is unavailable.

Capacity: 1 1/4" - 6" SCH 40 (7mm)
2" - 8" Copper Tube K, L, M and DWV

Model 1039 Mini-Mite Roll Groover service tool goes from in-place grooving and can be chucked in a Ridgid Model 300 in seconds with no gearbox removal.

Model 1039 Mini-Mite is self contained and can be entirely operated with its own multi-function crank so there are no other tools needed! All hex drives on Model 1039 Mini-Mite are 15/16", so one wrench fits everything.

Mini-Mites require no modifications or parts changes to groove any pipe or tubing in their size range.

Each comes with multi-step depth gauge.



MODEL 1034

1 1/4" - 6" SCH 40

Same capacity as the 1039, but is used with the Ridgid® Model 300 Threader for faster easier grooving.

Capacity: 1 1/4" through 6" SCH 40 (7mm)



MODEL 1066

2" - 8" Copper Tube

Is also used with the Model 300, but is designed to groove 2" - 8" copper tube.

Capacity: 2" - 8" Copper Tube K, L, M and DWV



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