









Roll Grooving

- Designed to improve speed and efficiency for sprinkler installations.
- Wide selection of mechanical and hydraulic units for applications up to 24" in diameter.

Roll Grooving Type	No. of Models	Pipe Capacity (in.)	Page
915 Roll Groover	1	1¼ – 12	5.3
960 Roll Groover	1	1¼ – 6	5.4
916 Roll Groover	4	2 – 6	5.5
918 Hydraulic Roll Groover	5	1 – 12	5.6
918-I Electric Roll Groover	2	1 – 12	5.7
920 Roll Groover	1	2 – 24	5.8

Roll Grooving

Roll Groover Selection

	960	916	915	918	918-I	920
						
	Page 5.4	Page 5.5	Page 5.3	Page 5.6	Page 5.7	Page 5.8
Capacity	1"-6"	1"-6"	1½"-12"	1"-12"	1"-12"	2"-24"
Weight	24 lbs.	33 lbs.	23 lbs.	81 lbs./185 lbs.	81 lbs./185 lbs.	160 lbs.
"In-Place" Groover			•			
Hydraulic Acutated				•	•	•
Will do SS, PVC, Al	•	•	•	•	•	•
Roll Sets for Copper	•	•	•	•	•	•
Drive Units	RIDGID 300 Page 4.10	RIDGID 300 Page 4.10	Hand	RIDGID 300 Page 4.10	Included	RIDGID 300 Page 4.10
		RIDGID 535* Page 4.18		RIDGID 535* Page 4.18		
		RIDGID 1822-1* Page 4.23		RIDGID 1822-1* Page 4.23		
Usage	Field	Field	Field	Fab Shop	Fab Shop/Field	Fab Shop/Field

* Adapter pieces required.

Pipe Size & Schedule Capacities

Model	Material	Pipe Size (inches)/Schedule																		
		1	1¼	1½	2	2½	3	3½	4	4½	5	6	8	10	12	14	16	18-24		
960 page 5.4	Steel	Sch. 5, 10, 40																		
	Stainless	5, 10	Sch. 5, 10, 40				Sch. 5, 10													
	Aluminum	Sch. 5, 10, 40																		
	PVC	40	40, 80				40													
	Copper					K, L	K, L, M	K, L, M & DWV												
916 page 5.5	Steel	Sch. 5, 10, 40								Sch. 5, 10										
	Stainless	5, 10	Sch. 5, 10, 40				Sch. 5, 10													
	Aluminum	Sch. 5, 10, 40																		
	PVC	40	40, 80				40													
	Copper					K, L	K, L, M	K, L, M & DWV												
915 page 5.3	Steel	Sch. 5, 10, 40								Sch. 5, 10										
	Stainless	Sch. 5, 10, 40				Sch. 5, 10								Sch. 5, 10						
	Aluminum	Sch. 5, 10, 40																		
	PVC	40	40, 80	40	40, 80				40								5, 10			
	Copper					K, L	K, L, M	K, L, M & DWV												
918/918-I page 5.6 & 5.7	Steel	Sch. 5, 10, 40																		
	Stainless	Sch. 5, 10	Sch. 5, 10, 40				Sch. 5, 10													
	Aluminum	Sch. 5, 10, 40																		
	PVC	40	40, 80	40	40, 80											40				
	Copper					K, M	K, L, M	K, L, M & DWV												
920 page 5.8	Steel	Sch. 5, 10, 40																		
	Stainless	Sch. 5, 10, 40												5, 10 std.*				5, 10		
	Aluminum	Sch. 5, 10, 40																		
	PVC	Sch. 5, 10, 40												5, 10 std.*				5, 10		
	Copper	40	40, 80				40								40					
						K, L	K, L, M	K, L, M & DWV												

* 8" grooving is not recommended for Sch. 40 if pipe hardness is above 150 BHN

* Std. = Standard wall thickness (.375).

Note: Use of roll sets on both carbon and stainless steel pipe can lead to contamination of the stainless material. This contamination could cause corrosion and premature pipe failure.

To prevent ferrous contamination, use roll sets dedicated for stainless steel grooving.

Note: Consult groover manual for exact capacity specifications.



Model 915

915 Manual Roll Groover

The new RIDGID 915 Roll Groover is a manual roll groover for in-place field applications. The 915 requires only 3½" of clearance to travel around a pipe and a minimum of 2¾" of exposed pipe for grooving. With the appropriate roll sets, the 915 can groove from 1¼" to 12" pipe, the widest range in its class! The 915's cast-in handle allows for easy transport or chaining the groover down to prevent theft. The 915 is a must for service work crews.

Features

- Lightweight design – only 23 pounds.
- Easy roll set change out – up to 12" wide capacity range in one unit for service versatility.
- Cast-in carrying handle – easy to transport or lock up to prevent theft.
- Included ratchet – 90 degree bend-in handle makes grooving easier.
- Available customized tool box – holds 915 groover and all available roll sets.
- Easy to use depth setting gauge – helps make accurate grooves.

Specifications

Capacity:

- 1¼" - 12" Sch. 10 Steel and Stainless Steel Pipe.
- 1¼" - 6" Sch. 40 Steel and Stainless Steel Pipe.
- 2"-8" K, L, M, DWV Copper.
- 1¼" - 6" Sch. 40 PVC.
- 1½", 2½" - 3" Sch. 80 PVC.

- Operation: Feed screw with ½" ratchet wrench (included).
- Weight: 23 lbs. (including ratchet).

Standard Equipment

- 915 Roll Groover with 2" - 6" Sch. 10 (2" - 3½" Sch. 40).
- Roll Set Ratchet Wrench.



Some items sold separately.



Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
88232	915	915 Roll Groover with 2" - 6" Sch. 10 (2" - 3½" Sch. 40) Roll Set	23	10.4
92437	-	Drive and Groove Roll Set for 1¼" - 1½" Sch. 10 or 40 Steel, Stainless Steel, PVC	2	0.9
92447	-	Drive and Groove Roll Set for 4" - 6" Sch. 40 Steel, Stainless Steel, PVC	4½	1.9
92442	-	Drive and Groove Roll Set for 8" - 12" Sch. 10 Steel, Stainless Steel, PVC	4½	1.9
92452	-	Drive and Groove Roll Set for 2" - 8" Copper Tube Type K, L, M, and DWV	2	0.9
93497	-	915 Tool Box	21½	9.7
76827	-	Metric Diameter Tape	½	0.1
76822	-	English Diameter Tape	½	0.1
93642	-	Drive and Groove Roll Set 2" - 6" Sch. 10 Steel, Stainless Steel, PVC, 2" - 3¼" Sch. 40 Steel		

Note: A Roll Groove Set consists of a Groove Roll and a Drive Roll.

Copper Roll Groove Set includes Black Reaction Arm and one Copper Stabilizer Pad.



Ensure proper pipe end preparation because square cuts are critical to accurate and reliable grooves.



Model 960



960 Ratchet-Driven Roll Groover

The RIDGID 960 Roll Groover is a ratchet-driven, portable roll groover for field applications. With a cast-in carrying handle, the 960 Roll Groover is easier to move around the jobsite than any other roll groover of its kind. The 960 Roll Groover mounts on the RIDGID 300-Power Drive for convenient grooving of steel and copper pipe. The 960 can be actuated by either a 1/2" drive ratchet or any wrench that fits the 15/16" hex on the feedscrew.

Features

- Ability to groove 6" schedule 10 and 40 steel pipe with 17% less torque than the competition.
- Grooving capacity of 1" to 6" Schedule 10 and 40 steel pipe, 2" – 6" Copper Tube Type K, L, M, and DWV.
- Convenient carrying handle for easy portability.
- Permanently affixed depth setting gauge that will not fall off or get tangled during operation.
- Heat-treated feed screw bushing for added durability.
- Quick change-out rollset design allows easy transformation to roll groove 1" steel or 2"-6" copper tubing.
- Feedscrew can be actuated by using either the standard 15"-long ratchet or any 15/16" hex.

Specifications

- Pipe Capacity: 1" to 6" Schedule 10 and Schedule 40 Steel Pipe 2" – 6" O.D., Copper Tube (Type K, L, M, and DWV), 1" Schedule 10 and 40.
- Depth Adjustment: Adjusting screw with patent pending integral depth setting gauge.
- Actuation: Feed screw with 1/2" ratchet wrench or 15/16" (Included) hex wrench.
- Power Drive Mounting: RIDGID 300 Power Drive 38/57 RPM. See page 4.16.
- Weight: 24 lbs. (10.9 kg) including ratchet.

Standard Equipment

- 15" long ratchet 1/2" drive.
- Roll Set to groove 1 1/4"-6" schedule 10 or schedule 40 steel pipe.

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
91207	960	1 1/4" – 6" Roll Groover	24	10.9
90842	–	Roll Set for 1" Schedule 10 and 40 steel pipe	6	2.7
90837	–	Roll Set for 2" – 6" Copper Tube Type K, L, M and DWV	6	2.7
76827	–	Metric Diameter Tape	1/2	0.13
76822	–	English Diameter Tape	1/2	0.13

Note: A Roll Set consists of a Groove Roll and a Drive Roll.





Model 916

Power-Driven 916 Roll Groover

The RIDGID Model 916 Roll Groover is the most durable and efficient lightweight portable unit available. Built with a solid, durable cast-iron housing, it withstands heavy usage, yet is light enough for easy transportation. The 916 features a patented single stroke feed mechanism that allows for accurate operation quickly and effortlessly.

Features

- Specifically designed for field service roll grooving applications.
- Quick and easy mount to RIDGID Nos. 300 Power Drive, 535 or 1822 Threading Machines. See pages 4.16, 4.20 and 4.25.
- Cam-type feed actuation – translates into minimum operator effort to form roll grooves.
- Durable cast-iron housing withstands extensive field use.
- Depth adjustment screw separate from feed mechanism allows for consistent groove depth.
- Lightweight, only 33 lbs., allows for easy transport and storage.
- Integral feed handle is part of overall unit. No extra tools required.
- Optional Roll Sets for: Copper 2" - 6" (Types K, L, M, DWV), 1" Sch. 10, 40 steel pipe.
- Optional 1¼"-1½" and 2" - 6" AWWA Roll Sets.
- Easy serviceability – drive and groove rolls are easy to change.

Specifications

- Capacity:
 - 1¼"-6" Sch. 10 steel, stainless steel, PVC
 - 1¼"-3" Sch. 40 steel, stainless steel, PVC
 - 2"-6" Copper (type K, L, M, DWV) optional
- Weight: 33 lbs. (15 kg).

Standard Equipment

- One (1) 1¼"-6" Roll Groove Set for steel (1¼"-6" schedule 10, 1¼"-3" schedule 40).

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
45007	916	Roll Groover for 300 Power Drive	33	15
46852	916	Roll Groover for Copper Tubing for 300 Power Drive	34	15.5
60382	916	Roll Groover for 535	33	15
48307	916	Roll Groover for 1822	33	15
Accessories				
45347	–	Roll Set for 1" Sch. 10, 40	6	2.6
45352	–	Roll Set for Copper (optional)	6	2.6
69667	–	Roll Set for 1¼"-1½" AWWA (optional)	6	2.6
69692	–	Roll Set for 2"-6" AWWA (optional)	6	2.6
67662	–	Adapter Bracket for 300 Compact	30	13.6
76822	–	English Diameter Tape	½	0.1
76827	–	Metric Diameter Tape	½	0.1

Note: A Roll Set consists of a Groove Roll and a Drive Roll.



Model 918



918 Hydraulic Roll Groover

The RIDGID Model 918 Hydraulic Roll Groover features a powerful 15-ton hydraulic ram in a compact, easy to transport unit. With one man set-up and operation, the 918 is the ideal groover for job site requirements. The 918 mounts quickly to RIDGID 300 power drive, 535, 1822, or 1224 Threading Machines. (See pages 4.16, 4.20, 4.25 and 4.28.) Designed to provide maximum efficiency, the 918 is capable of grooving up to 12" Schedule 10 and 8" Schedule 40 standard wall pipes. Roll Set changeout is accomplished in seconds.

Specifications

- Capacity:
 - 1"-12" Schedule 10 steel, stainless steel, PVC.
 - 1"-8" Schedule 40 steel, PVC.
 - 1"-2" Schedule 40 stainless steel.
 - 2"-6" Copper (Types K, L, M, DWV).
 - 2½"-6" Schedule 80 PVC.
- Weight: 81 lbs. (37 kg).

Standard Equipment

- One (1) 2"-6" Schedule 10/40 Roll Set.
- One (1) 8"-12" Schedule 10 (8" Schedule 40) Roll Set.
- Tools for Roll Set Change.
- One (1) Carrying case for Roll Sets.

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
48297	918-1	918 Roll Groover w/300 Power Drive Mount Kit	104	47.2
48377	918-2	918 Roll Groover w/1822 Power Drive Mount Kit	134	60.9
48382	918-4	918 Roll Groover w/1224 Carriage Mount Kit	131	59.5
48387	918-5	918 Roll Groover w/535 Carriage Mount Kit	117	53.1
47222	918 only	918 Roll Groover Only	95	43.1
Mounting Kit Only				
48292	911	300 Power Drive Mount Kit Only	9	4
48392	912	1822 Carriage Mount Kit Only	39	17.7
48397	914	1224 Carriage Mount Kit Only	36	16.4
48402	915	535 Carriage Mount Kit Only	22	10
Accessories				
48405	–	Roll Set for 8"-12" Sch. 40, Tool box included.	18	8.2
48407	–	Roll Set for 1¼" to 1½" Sch. 10/40. Tool box includes drive shaft, bolt and tools.	10	4.5
48412	–	Roll Set for 1" Sch. 10/40, and 1¼" to 1½" Sch. 10/40. Tool box includes drive shaft, bolt and tools.	20	9.0
48417	–	Roll Set for copper (2"-6").	10	4.5
59992	–	1"-12" Stabilizer for grooving nipples. For 918 w/300 Mounting Kit or 918-1	11	5.0
49662	–	Tool Box	5	2.0
76822	–	English Diameter Tape	½	0.1
76827	–	Metric Diameter Tape	½	0.1

Note: A Roll Set consists of a Groove Roll and a Drive Roll.
 "Do not use to groove 8" schedule 40 steel pipe harder than 150 Brinell"



918-I Roll Groover

The RIDGID Model 918-I Roll Grooving Machine is capable of grooving 1" to 8" schedule 40 and 1" to 12" schedule 10 pipe faster than any roll grooving machine in its class. Powered by a 1.2 HP universal motor and heavy duty transmission, the 918-I produces high quality grooves consistently and effortlessly.

The 918-I comes standard with a rugged wheel stand built for mobility in the shop without compromising stability. The stand's tray is tough enough to support 200 lbs.

The 918-I uses a custom-designed, two-stage hydraulic pump that minimizes pipe flare, operator fatigue and hydraulic fluid leaks.

Features

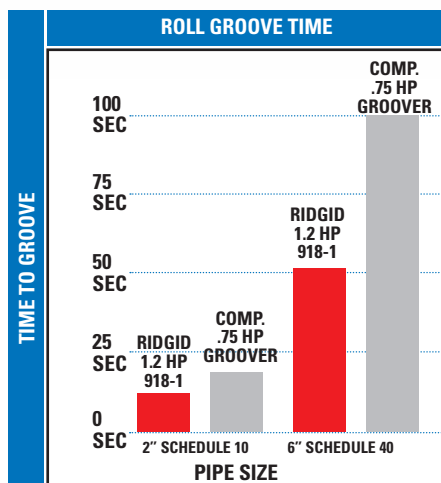
- Fastest roll groove time in its class. (See Roll Groove Time chart below).
- Offers maximum versatility in roll grooving capacities (see specifications below).
- Custom engineered 2-stage, 15-ton hydraulic pump and ram eases grooving and reduces flare and operator's fatigue.
- Produces consistent, high quality roll grooves.
- CSA approved.
- Approved to UL standards (NRTL).

Specifications

- Capacity
 - 1"-12" Schedule 10 steel.
 - 1"-8" Schedule 40 steel.
 - 2"-6" copper (Types K, L, M, DWV).
 - 2½"-6" Schedule 80 PVC.
- Weight: 185 lbs./84.1 kg.
- Motor: Universal 1.2 HP, 115v 60 Hz .
- Motor Control: On/Off Heavy-Duty with Foot Switch.
- RPM: 45 (no load).

Standard Equipment

- One (1) 2"-6" Schedule 10/40 Roll Set.
- One (1) 8"-12" Schedule 10 (8" Schedule 40) Roll Set.
- One (1) Tools for Roll Set Changeout.
- One (1) Carry Case for Roll Sets.
- One (1) Heavy-Duty Wheel Stand with Tray.
- One (1) Foot Switch.
- One (1) 1"–12" Stabilizer for Grooving Nipples.



Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
64977	918-I	Roll Grooving Machine Complete. 115v	185	84.1
65902	918-I	Roll Grooving Machine Complete. 230v (Export Only)	185	84.1
Accessories				
48405	–	Roll Set for 8"-12" Sch 10 (8" Sch 40) With Carry Case	18	8.2
48407	–	Roll Set for 1¼"-1½" Sch 10/40 With Carry Case	10	4.5
48412	–	Roll Set for 1" Sch 10/40 and 1¼"-1½" Sch 10/40 With Carry Case	20	9.0
48417	–	Roll Set for 2"-6" Copper	10	4.5
59992	–	1"-12" Stabilizer for Grooving Nipples	11	5.0
76822	–	English Diameter Tape	½	0.1
76827	–	Metric Diameter Tape	½	0.1

Note: A Roll Set consists of a Groove Roll and a Drive Roll.

Note: " Do not use to groove 8" schedule 40 steel pipe harder than 150 Brinell"



For pipe stands, see page 2.4.



920 Roll Groover

The RIDGID 920 Roll Groover takes grooving to a whole new level. With a capacity range of 2"-24" diameter pipe, the 920 has the largest capacity of any RIDGID roll groover. The 920 mounts to the RIDGID 300 Power Drive for use in the field or shop. Also available is the new RJ624 Large Diameter Pipe Support for grooving pipe up to 24" in diameter, a perfect complement to the 920 Roll Groover (see page 2.5).

920 Benefits

- Largest grooving capacity in its class.
- Transportation Mode – Detachable Wheels enable one man to easily move the 920 around a jobsite. Also available is a Model No. 32 Transporter (see page 4.17).
- Patented Depth Setting Gauge – Easy and accurate groove depth setting does not require adjusting the protective guarding.
- Built-in Pressure Gauge – Helps operator monitor hydraulic pressure to control flare and optimize groove time.
- Front Roll Set Change-Out – User can switch groove roll sets quickly and easily.
- Easy Adjust Support Legs – Helpful when leveling the groover on uneven ground.

Standard Equipment

- 920 Roll Groover with support legs.
- 2"– 6" Sch. 10/40 Groove Roll Set with box.
- 8"– 12" Sch. 10/40 Groove Roll Set.
- 14"– 16" Standard Wall (0.375) Groove Roll Set with box.
- 920 Training Video and User Manual.
- Transport wheels.

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
95782	920	920 Roll Groover with 2" - 6" Sch. 40, 8"-12" Sch. 40 and 14"-16" Std. Wall Roll Sets	199	90.3
96987	–	Drive and Groove Roll Set for 18" - 20" Sch. 10 Steel or Stainless Steel	21	9.5
96992	–	Drive and Groove Roll Set for 22" - 24" Sch. 10 Steel or Stainless Steel	22	10
96997	–	Drive and Groove Roll Set for 4" - 6" Sch. 40 Steel or Stainless Steel	20	9
96982	–	Drive and Groove Roll Set for 2" - 8" Copper Tube Type K, L, M, and DMV	20	9
96372	RJ624	RJ624 Large Diameter Pipe Stand	167	75.7
76827	–	Metric Diameter Tape	½	0.1
76822	–	English Diameter Tape	½	0.1
42575	32	Transporter for Power Drives and Tristand Vises	14¼	6.5

* Requires additional roll sets, see table above.



For pipe stands,
see page 2.4.