

Power Threading Machines



66947

300 COMPACT THREADING MACHINE

- Heavy-duty proven performance.
- Lightweight, portable design.
- Fast transport and set-up.
- Self-contained oil system with adjustable flow control.
- Versatility for threading and grooving.
- Quiet operation.

SPECIFICATIONS

- Pipe Capacity – $\frac{1}{8}$ " - 2" (3 mm - 50 mm)
- Bolt Capacity – $\frac{1}{4}$ " - 2" (6 mm - 50 mm)
- Motor Control – Heavy-duty rotary forward/off/reverse and integral foot switch
- Chuck – Hammer-type with replaceable, rocker-action jaw inserts
- Oiling System – Through-the-head, with integral oil reservoir with self-priming, constant-flow, gerotor pump

*20 amp, 115V circuit required.

Catalog No.	Model No.	Description	Die Head	RPM	Voltage	Frequency	Phase	Motor Type	Amp Draw	Power		Weight	
										V	Hz	A	lb
66947	300 Compact	$\frac{1}{8}$ " - 2" NPT Hammer Chuck	811A	36	110-120	50 - 60	1	Universal	14	$\frac{1}{2}$ HP	115	52.3	
67182	300 Compact Kit	$\frac{1}{8}$ " - 2" NPT Hammer Chuck w/ 250 Folding Wheel Stand	811A	36	110-120	50 - 60	1	Universal	14	$\frac{1}{2}$ HP	160	72.7	
73447*	300 Compact	$\frac{1}{8}$ " - 2" NPT Hammer Chuck	811A	52	110-120	50 - 60	1	Universal	18	$\frac{1}{2}$ HP	115	52.3	
75602*	300 Compact Kit	$\frac{1}{8}$ " - 2" NPT Hammer Chuck w/ 250 Folding Wheel Stand	811A	52	110-120	50 - 60	1	Universal	18	$\frac{1}{2}$ HP	160	72.7	
58752	300 Compact	$\frac{1}{8}$ " - 2" BSPT Hammer Chuck (Australia)	811A	36	220 - 240	50 - 60	1	Universal	8	$\frac{1}{2}$ HP	115	52.3	
58757	300 Compact	$\frac{1}{8}$ " - 2" NPT Hammer Chuck (Export Only)	811A	36	220 - 240	50 - 60	1	Universal	8	1700W	115	52.3	

*20 amp, 115V circuit required.

Standard Equipment

Catalog No. Model No.	66947 300 Compact	67182 300 Compact Kit	73447 300 Compact	75602 300 Compact Kit	58752 300 Compact	58757 300 Compact
70835 - Nu-Clear Oil	•	•	•	•	•	
97065 - NPT Die Head Quick-Open R.H. 811A	•	•	•	•		
34612 - Model 344 $\frac{1}{8}$ " - 2" Reamer	•	•	•	•	•	•
42370 - Model 360 $\frac{1}{8}$ " - 2" Full Floating, Self Centering Cutter	•	•	•	•	•	•
47745 - $\frac{1}{2}$ " - $\frac{3}{4}$ " Universal Alloy Die Set	•	•	•	•		•
47750 - 1" - 2" Universal Alloy Die Set	•	•	•	•		•
46030 - Key, Hex 3/16	•	•	•	•	•	
46015 - Key, Hex 5/32	•	•	•	•	•	
46045 - Key, Hex 5/16	•	•	•	•	•	
67657 - STAND 250 FOLDING F/NA		•		•		
66665 - $\frac{1}{2}$ " - $\frac{3}{4}$ " universal alloy set					•	
97070 - Diehead, 811A 00 BSPT L/Dies					•	
97075 - 815A $\frac{1}{8}$ " - 2" NPT Die Head, Self-Opening, RH						•

Die Heads

Catalog No.	Model No.	Description	Weight	
			lb	kg
84537	816	$\frac{1}{8}$ " - $\frac{3}{4}$ " Semi-Automatic Die Head	13	5.9
97045	531	Bolt Die Head Quick-Open R.H./L.H. $\frac{1}{4}$ " - 1"	7 $\frac{1}{2}$	3.4
97050	532	Bolt Die Head Quick-Open R.H./L.H. $1\frac{1}{8}$ " - 2"	9	4.1
97065	811A	NPT Die Head Quick-Open R.H.		5.7
97075	815A	815A $\frac{1}{8}$ " - 2" NPT Die Head, Self-Opening, RH	13	5.9
84532	817	$\frac{1}{2}$ " - 2" Semi-Automatic Die Head		
97070	811A	815A $\frac{1}{8}$ " - 2" NPT Die Head, Self-Opening, RH	12 $\frac{1}{2}$	5.7
97080	815A	815A $\frac{1}{8}$ " - 2" BSPT Self-Opening Die Head	13	5.9

Accessories

Catalog No.	Model No.	Description	Weight	
			lb	kg
51005	819	Nipple Chuck Complete, $\frac{1}{2}$ " - 2" NPT	10 $\frac{1}{2}$	4.8
67662	-	Adapter Bracket for 300 Compact	30	13.6
68160	819	Nipple Chuck $\frac{1}{2}$ " - 2" BSPT	10 $\frac{1}{2}$	4.8

Stands

Catalog No.	Model No.	Description	Weight	
			lb	kg
67657	250	Folding Stand F/NA	45	21
92457	100A	Universal Leg & Tray Stand	75	34.5
92462	150A	Universal Wheel & Tray Stand	103	46.7
92467	200A	Universal Wheel & Cabinet Stand	104	47.2
22563	-	Steel Cabinet	42	19.3



See page 4.13

ROLL GROOVING

	975	916	918	915	918-I	920
						
	Page 5.5	Page 5.6	Page 5.7	Page 5.4	Page 5.8	Page 5.9
Capacity	1 1/4" - 6"	1" - 6"	1" - 12"	1 1/4" - 12"	1" - 12"	2" - 24"
Weight	26 lbs.	33 lbs.	81 lbs.	23 lbs.	185 lbs.	160 lbs.
"In-Place" Groover	•			•		
Hydraulic Actuated			•		•	•
Will do SS, PVC, Al	•	•	•	•	•	•
Roll Sets for Copper	•	•	•	•	•	•
Drive Units	RIDGID 300 PD / Page 4.17 or hand**	RIDGID 300 PD / Page 4.17 RIDGID 535* / Page 4.21	RIDGID 300 PD / Page 4.17 RIDGID 535* / Page 4.21	Hand	Included	RIDGID 300 PD / Page 4.17
Usage	Field	Field	Fab Shop / Field	Field	Fab Shop / Field	Fab Shop / Field

* Adapter pieces required.

** Works as powered or in-place groover.

Note: Please check schedules in charts.

PIPE SIZE & SCHEDULE CAPACITIES

Model	Material	Pipe Size (inches)/Schedule																
		1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	8	10	12	14	16	18-24
975 page 5.5	Steel																	
	Stainless				Sch. 5, 10, 40													
	Aluminum						Sch. 5, 10, 40											
	PVC	40			Sch. 40, 80							Sch. 40						
	Copper					K, L	K, L, M					K, L, M & DW						
915 page 5.4	Steel						Sch. 5, 10, 40						Sch. 5, 10					
	Stainless				Sch. 5, 10, 40							Sch. 5, 10						
	Aluminum						Sch. 5, 10, 40						Sch. 5, 10					
	PVC	40	40, 80	40		Sch. 40, 80						Sch. 40						
	Copper				K, L	K, L, M						K, L, M & DWV						
916 page 5.6	Steel				Sch. 5, 10, 40							Sch. 5, 10						
	Stainless	5, 10		Sch. 5, 10, 40								Sch. 5, 10						
	Aluminum				Sch. 5, 10, 40							Sch. 5, 10						
	PVC		Sch. 40		Sch. 40, 80							Sch. 40						
	Copper				K, L	K, L, M						K, L, M & DWV						
918/918-I page 5.7 & 5.8	Steel					Sch. 5, 10, 40							Sch. 5, 10					
	Stainless	5, 10		Sch. 5, 10, 40								Sch. 5, 10						
	Aluminum					Sch. 5, 10, 40							Sch. 5, 10					
	PVC	40	40	40, 80	40		Sch. 40, 80					Sch. 40						
	Copper				K, L	K, L, M						K, L, M & DWV						
920 page 5.9	Steel						Sch. 5, 10, 40*						5, 10 std.**	5, 10				
	Stainless						Sch. 5, 10, 40*						5, 10 std.**	5, 10				
	Aluminum						Sch. 5, 10, 40*						5, 10 std.**	5, 10				
	PVC		40			Sch. 40, 80						Sch. 40						
	Copper				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).

NOTICE: 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.

ROLL GROOVER/THREADER COMPATIBILITY

Roll Groover Model	Threader Model					
	1215*	300 Power Drive	300 Compact	535 Manual	535 Auto*	1224
916	—	45007	67662	60382	—	—
975	—	25638	—	—	—	—
918-1	—	48297	—	—	—	—
918-2	—	—	—	—	—	—
918-4	—	—	—	—	—	48382
918-5	—	—	—	48387	—	—
920	—	95782	—	—	—	—

*Not recommended for roll grooving applications.

Manual Roll Groovers



88232



915 ROLL GROOVER

The RIDGID 915 Roll Groover is a manual roll groover for in-place field applications. The 915 requires only 3 1/2" of clearance to travel around a pipe and a minimum of 2 3/4" of exposed pipe for grooving. With the appropriate roll sets, the 915 can groove from 1 1/4" 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.

- Easy to use Depth Setting Gauge – Helps make accurate grooves.
- Easy Roll Set Change Out – Up to 12" pipe capacity in one unit for service versatility.
- Cast-in Carrying Handle – Easy to transport or lock up to prevent theft.
- Included Ratchet – 90° bend-in handle makes grooving easier.

SPECIFICATIONS

- Capacity
 - 1 1/4" - 12" Schedule 10 steel and stainless steel pipe
 - 2"- 8" K, L, M, DWV copper
 - 1 1/4" - 6" Schedule 40 PVC
 - 1 1/4" - 6" Schedule 40 Steel
 - 1 1/2", 2 1/2" - 3" Schedule 80 PVC
- Weight – 23 lbs. (including ratchet)
- Operation – Feed screw with 1/2" ratchet wrench (included)

Catalog No.	Model No.	Description	Weight	
			lb	kg
88232	915	915 Roll Groover with 2" - 6" Sch. 10 (2" - 3 1/2" Sch. 40) Roll Set	23	10.4

Standard Equipment

Catalog No.	Description	88232 915
93642	Groove Roll 2" - 6"	•
93757	Drive Roll 2" - 6"	•
92202	Ratchet 1/2" Drive with 90° Bend	•

Accessories

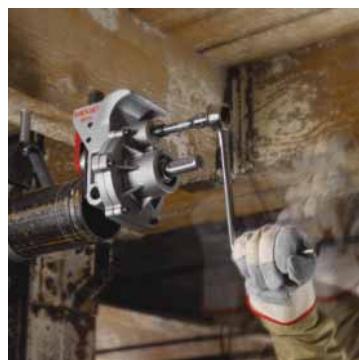
Catalog No.	Description	Weight	
		lb	kg
92437	Drive and Groove Roll Set for 1 1/4" - 1 1/2" Sch. 10 or 40 Steel, Stainless Steel, PVC	2.0	0.9
92447	Drive and Groove Roll Set for 4" - 6" Sch. 40 Steel, PVC	4.5	1.9
92442	Drive and Groove Roll Set for 8" - 12" Sch. 10 Steel, Stainless Steel, PVC	2.0	0.9
93497	915 Tool Box	21.5	9.7
76827	Metric Diameter Tape	0.5	0.1
76822	Inch Diameter Tape	0.9	0.4
93757	Drive Roll 2" - 6"	1.3	0.6

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

Note: Tool box and accessories sold separately

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

Combo Roll Groovers

**975 COMBO ROLL GROOVER**

The 975 Combo Roll Groover is two tools in one, and is the only one that has the same capacity for Schedule 10 and 40. Like other RIDGID roll groovers, the 975 mounts on the RIDGID 300 Power Drive for machine-powered roll grooving jobs. It is also designed to manually roll groove in-place pipe.

- Auto Tracking & Depth Setting Gauge Means Easier Use – The 975 Combo Groover includes patented auto tracking technology for significantly easier grooving. Whether you're doing machine-powered or manual grooving, the AutoTracking gauge keeps the pipe automatically engaged to the groover throughout the grooving process. The 975 also includes a permanently depth setting gauge for quicker, repeatable set-up.
- Less Hand Force Required – When manually roll grooving, the 975's 55% higher gear reduction means less hand force required versus competitive manual roll groovers. This is especially helpful for over-head roll grooving.
- Durability And Portability – A tough, ductile iron construction means the 975 can absorb jobsite abuse and provide accurate grooves time after time. A cast-in handle makes the 975 easily portable to and from the jobsite.

SPECIFICATIONS

- Capacity
 - 1 1/4" - 6" Schedule 10 and Schedule 40 steel, aluminum, and PVC pipe
 - 2 1/2" - 6" Schedule 10 stainless steel pipe
 - 1 1/4" - 2" Schedule 40 stainless steel pipe
 - 1 1/2" - 3" Schedule 80 PVC pipe
 - With roll change, 2" - 8" copper tube (Type K, L, M, and DWV)
- Depth Adjustment – Adjusting screw and integral, index depth gauge
- Autotracking System – Incorporated offset for pipe (rolls are slightly pitched to adjust)
- Actuation – Feed screw with 1/2" ratchet wrench (included), or any 15/16" hex wrench
- Power Drive Mounting – RIDGID 300 Power Drive 38/57 RPM (reverse direction only)

Catalog No.	Model No.	Description	Weight	
			lb	kg
25638	975	975 Combo Roll Groover	26.1	11.9
32828		975 Combo Roll Groover for Use with Copper Tube		

Standard Equipment

Catalog No. Model No. Power Drive Mounting	Description	25638 975 Model 300	32828 975 Model 300
30883	Shaft, Drive	●	
30933	Roll Groove	●	
30703	Ratchet, 1/2" Drive with 90° Bend	●	●
30708	Extension, 1/2" Drive, Locking	●	●
87682	Support Bar (2)	●	●
32833	Roll Set Kit for 2" - 8" Copper Tube		●

Accessories

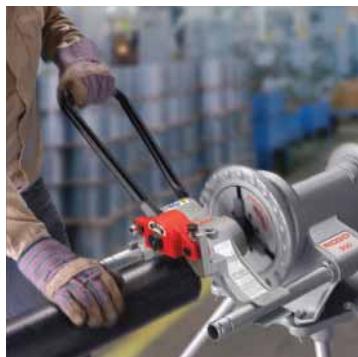
Catalog No.	Model No.	Description	Weight	
			lb	kg
32833	975	Roll Set Kit for 2" - 8" Copper Tube	5	2.3
67662	-	Adapter Bracket for 300 Compact	30.0	13.6
76822	-	Inch Diameter Tape	1/2	0.1
76827	-	Metric Diameter Tape		

25638



25638 – 300 Power Drive not included.

Power Roll Groovers



POWER-DRIVEN 916 ROLL GROOVER

The RIDGID 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 single stroke feed mechanism that allows for accurate operation quickly and effortlessly.

- Specifically designed for field service roll grooving applications.
- Quick and easy mount to RIDGID 300 Power Drive, 535 or 300 Compact Threading Machines.
- Cam-type feed actuation – translates into minimum operator effort to form roll grooves.
- Depth adjustment screw separate from feed mechanism allows for consistent groove depth.
- Lightweight for easy transport and storage.
- Integral feed handle is part of overall unit. No extra tools required.
- Easy serviceability – drive and groove rolls are easy to change.

SPECIFICATIONS

- Capacity
 - 1 1/4" - 6" Schedule 10 steel and stainless steel
 - 1 1/4" - 3" Schedule 40 steel and stainless steel
 - Optional 2" - 6" copper (Type K, L, M, DWV)
 - Optional 1" Schedule 10, 40 steel pipe
 - 1 1/4" - 1 1/2" and 2" - 6" AWWA roll sets



45007

Catalog No.	Model No.	Description	Weight	
			lb	kg
45007		Roll Groover for 300 Power Drive	33	15
46852		Roll Groover for Copper Tubing for 300 Power Drive	34	15.5
60382		Roll Groover for 535		
48307R		Roll Groover for 300 Compact/ 1233	33	15

Standard Equipment

Catalog No. Model No. Power Drive Mounting	Description	45007 916 Model 300	46852 916 Model 300	60382 916 Model 535	48307 916 Models 300 Compact/1233
45397	Shaft, ASM Drive 916	●	●	●	●
45587	Roll, Groove w/ Bearing	●	●	●	●

Accessories

Catalog No.	Description	Weight	
		lb	kg
45347	Roll Set f/1" incl. Ref. No. 35 36		
45352	Roll Set f/Copper Tubing incl. Ref. No. 35 36		
69667	Roll Set 1 1/4" to 1 1/2" (AWWA)	6	2.6
69692	Roll Set 2" to 6" (AWWA)		
67662	Adapter Bracket for 300 Compact	30	13.6
76822	Inch Diameter Tape	1/2	0.1
76827	Metric Diameter Tape		

45007 – 300 Power Drive not included.

