

Hand-Held Power Drives



Model 600-I Power Drive

- Lightweight and easy to handle for service and repair.
- Over molded handle and contoured grip provide optimal control.
- Screw-in brush covers reduces service time.
- Durable die cast gear housing and fiberglass reinforced plastic body to withstand demanding jobsite conditions.
- Dual "V" Jaw Reaction Arm firmly prevents slipping.

Specifications

- Capacity – $\frac{1}{8}$ " – $1\frac{1}{4}$ " (3 mm - 32 mm), 11R die heads.
- Weight – 12.7 lbs. (5.8 kg), power drive only.
- Size – 20 in. (508 mm) L x 3.75 in. (95mm) W x 7.5 in. (191mm) H.
- Motor Type – universal single phase.
- Motor Wattage – 1020W (230V), 1270W (115V).
- Available Voltages/Phases – 115V/1 Ph, 230V/1Ph, 220V/1 Ph.
- Amps – 12 A (115V), 5 A (230V, 220V).
- Operating Speed (No Load) – 32 RPM (115V), 36 RPM (230V).
- Controls – FORWARD/REVERSE slide switch, ON/OFF two-step momentary contact.
- Gear Head – die cast aluminum permanently greased.
- Body & Handle – durable heavy-duty fiberglass reinforced plastic.

Standard Equipment

- Carrying case.
- 602 support arm.
- $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1, $1\frac{1}{4}$ " 11-R die heads (kit only).



Catalog No.	Model No.	Description	Weight	
			lb.	kg
44913	600-I	Power Drive (Only) Case, & Support Arm	29.1	13.2
44918	600-I	Power Drive w/ $\frac{1}{2}$ " – $1\frac{1}{4}$ " NPT 11R Die Heads, Case & Support Arm	41.0	18.6

Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
45923	602	602 Support Arm	4.0	1.8
46668	—	Carrying Case	12.0	5.5
10883	418	Oiler w/1 Gal. Premium Thread Cutting Oil	17.0	7.7
16703	425	Portable TRISTAND Vise	32.0	14.5
36273	460	Portable TRISTAND Vise	47.0	21.0



See page 4.12

Hand-Held Power Drives



Model 690-I Power Drive

- RIDGID Die Head Retaining System is a simple twist and release for the 1½", 2" Die Heads and Die Head Adapter
- Lightweight and portable for maintenance, repair and service plumbers
- Over molded handle and contoured grip provide optimal control
- Screw in brush covers improve serviceability
- Durable die cast gear housing and fiberglass reinforced plastic body to withstand demanding job site conditions
- Dual "V" Jaw Reaction Arm firmly prevents slipping

Specifications

- Capacity – 1/8" – 2" (3 mm – 50 mm), 11R die heads.
- Weight – 21.1 lbs. (9.59 kg), power drive only
- Size – 24.1 in. (613 mm) L x 4.75 in (121 mm) W x 8 in. (203 mm)
- Motor Type – universal single phase
- Motor Wattage – 1020W (230V), 1270W (115V)
- Available Voltages/Phases – 115V/1 Ph, 230V/1Ph, 220V/1 Ph
- Amps – 12 A (115V), 5 A (230V, 220V)
- Operating Speed (No Load) – 23 RPM (115V), 37 RPM (230V)
- Controls – FORWARD/REVERSE slide switch, ON/OFF two-step momentary contact
- Gear Head – die cast aluminum permanently greased
- Body & Handle – durable heavy-duty fiberglass reinforced plastic

Standard Equipment

- 46673 carrying case.
- 692 support arm.
- 39181 ratcheting ring
- 1/2", 3/4", 1, 1¼", 1½", 2 11-R die heads (kit only).

Catalog No.	Model No.	Description	Weight	
			lb.	kg
44923	690-I	Power Drive 1/2" - 2" NPT Die Heads, Case, & Support Arm	42.4	19.2
44928	690-I	Power Drive Only W/ Case and Support Arm	59.4	26.9

Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
45928	692	692 Support Arm	4.0	1.8
46673	—	Carrying Case	12.0	5.5
39187	—	Ratcheting Ring	—	—
10883	418	Oiler w/1 Gal. Premium Thread Cutting Oil	17.0	7.7
16703	425	Portable TRISTAND® Vise	32.0	14.5
36273	460-6	Portable TRISTAND Vise	47.0	21.0

Hand-Held Power Drives



Model 700 Power Drive

- Heavy-duty hand-held power drive
- Designed for RIDGID No. 12-R die heads. Other RIDGID die heads (00-R, 00-RB, 11-R) using adapters. Also used with 258/258XL pipe cutters

Specifications

- Capacity – 1/8" - 2" Pipe (6 - 50 mm). 1/4" - 1" (8 - 25 mm) Bolt (using 00-RB Die Heads).
- Spindle Speed – 26 - 30 RPM (no load).
- Weight – 25 lbs. (11 kg) Power Drive Only
- Length – 28 1/4" (71.7 cm).
- Output Power – 1/2 HP
- Motor – Universal, 1100 W, 115V or 230V 50/60 Hz.
- Switch – Double-throw reversible.
- Gear Head – Spur gear reduction face gear drive. Spring-loaded adapter pawls. Hardened steel spindle gear.
- Body – Cast aluminum.
- Die Heads – 12-R. Other Die Heads with adapters: 00-R, 00-RB, 11-R.

Catalog No.	Model No.	Description	Voltage	Frequency	Thread Type	Weight	
			V	Hz		lb.	kg
41935	700	700 Power Drive	115	50 - 60	-	25.0	11.0
41940	700	700 Power Drive	230	50 - 60	-	25.0	11.0
45178	700	700 Power Drive Complete 115 Kit 1/2" - 2" 12R Die Heads	115	50 - 60	NPT	-	-

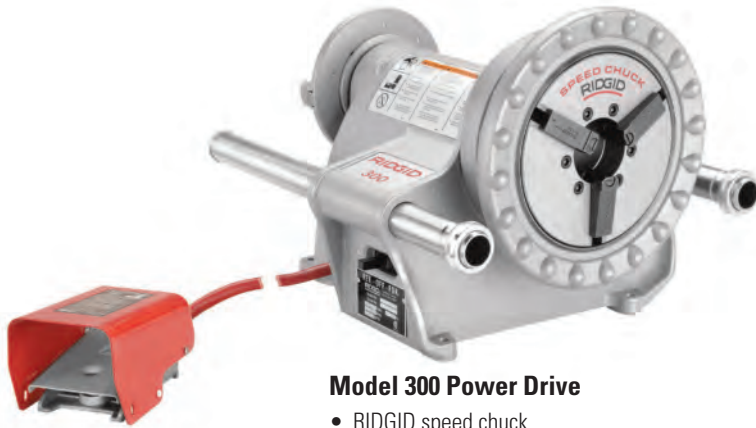
Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
10883	418	Oiler w/1 Gal. Premium Thread Cutting Oil	20.5	9.4
42600	770	Adapter for 00-R and 00-RB	4.4	2.0
42605	771	Adapter for 0-R	4.4	2.0
42610	772	Adapter for 11-R	4.4	2.0
42615	773	Adapter for 111-R	2.2	1.0
42620	774	Square Drive Adapter -15/16"	4.4	2.0
42625	775	Support Arm for No. 700	11.0	5.0
42950	B-171-X	Metal Carrying Case	28.8	13.0



See page 4.12

Power Threading Machines



Model 300 Power Drive

- RIDGID speed chuck.
- Reversible 1/2 HP universal motor.
- Recessed On/Off/Reverse switch.
- Convert a 300 Power Drive to a portable threading machine.
- Ideal for use with RIDGID roll groovers

Specifications

- Capacity – 1/8" - 2" (6mm - 50mm) Pipe, 2 1/2" - 4" (65mm - 100mm) with 141, and 4" - 6" (100mm-150mm) with 161 Geared Threaders, 1/4" - 2" (6mm - 52mm) Rod.
- Motor – 1/2 HP, universal, reversible motor, single-phase, 50/60 Hz, 115V.
- Switch – Heavy-duty FOR/OFF/REV and Integral Foot Switch.
- Chuck – RIDGID speed chuck with replaceable rocker-action jaws.
- Spindle Speed – 38 RPM (57 RPM available).
- Rear Centering Device – Cam-action turns with chuck.
- Support Bar – Heavy-duty (2).



Catalog No.	Model No.	Description	Spindle Speed	Pipe Threading Capacity		Rod Threading Capacity		Max. Geared Threader Capacity		Weight	
				in.	mm	in.	mm	in.	mm	lb.	kg
41855	300 Only	300 Power Drive, 115V 50/60Hz	38 RPM	1/8 - 2	3 - 50	1/4 - 2	6 - 50	6	150	94	43.00
41860	300 Only	230V, 50/60 Hz	38 RPM	1/8 - 2	3 - 50	1/4 - 1 1/2	6 - 40	6	150	94	43.00
75075	300 Only	300 Power Drive, 115V 50/60Hz	57 RPM	1/8 - 1 1/4	3 - 31	1/4 - 1 1/2	6 - 50	6	150	94	43.00
75435	300 Only	230V, 50/60 Hz Export	38 RPM	1/8 - 2	3 - 50	1/4 - 2	6 - 50	6	150	94	43.00

Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
10883	418	Oiler w/1 Gal. Premium Thread Cutting Oil	20 1/2	9.40
51005	819	Nipple Chuck Complete, 1/2" - 2" NPT	10 1/2	4.80
97065	811A	811A 1/8" - 2" NPT, Quick Opening, RH	13	5.90
97075	815A	815A 1/8" - 2" NPT Die Head, Self-Opening, RH	13	5.90
42360	1206	1206 Stand	31	14.10
42365	341	Reamer	6 3/4	3.10
42370	360	Model 360 1/8"-2" Full Floating, Self Centering Cutter	8 1/2	3.90
42385	312	Carriage Feed Lever	3	1.40
42575	32	#32 Transporter (for Power Drives and Tristand Vises)	14 1/4	6.50
46660	E-863	LH/RH Reamer Cone	7	3.20
68815	311	Carriage with No. 312 Lever	15	6.80
97365	-	Jaw Inserts for Coated Pipe	1/2	0.20
22638	1452	Clip-On Tool Tray	6	2.70
68160	819	Nipple Chuck 1/2"-2" BSPT	10 1/2	4.80
97070	811A	BSPT Die Head Quick-Open R.H.	12 1/2	5.70
97080	815A	815A 1/8"-2" BSPT Self-Opening Die Head	13	5.90

See page 4.12



Power Threading Machines



Model 300 Power Drive Complete

- RIDGID Speed Chuck.
- Reversible 1/2 HP Universal Motor.
- Recessed On/Off/Reverse Switch.
- Ideal For Use With RIDGID Roll Groovers.

Specifications

- Motor – 1/2 HP Single Phase, Universal.
- Switch – Heavy-duty For/Off/Rev and Integral Foot Switch.
- Chuck – Speed Chuck with Replaceable Rocker-Action Jaws.
- Spindle Speed – 38 RPM (57 RPM Available).
- Rear Centering Device – Cam-Action Turns With Chuck.
- Support Bar – Heavy-Duty.

Standard Equipment.

- 97065 – 811A 1/8" - 2" NPT, Quick Opening, RH.
- 47745 – 1/2" - 3/4" Universal Alloy Die Set.
- 47750 – 1" - 2" Universal Alloy Die Set.
- 42370 – Model 360 1/8"-2" Full Floating, Self Centering Cutter.
- 68815 – Carriage with No. 312 Lever.
- 42575 – #32 Transporter (for Power Drives and Tristand Vises).
- 42365 – Reamer.
- 42360 – 1206 Stand.
- 10883 – Oiler w/1 Gal. Premium Thread Cutting Oil.
- 22638 – Clip-On Tool Tray.
- 41855 – 300 Power Drive, 115V 50/60Hz.



Model 32 Transporter



Catalog No.	Model No.	Pipe Threading Capacity		Rod Threading Capacity		Spindle Speed	Voltage	Frequency	Max. Geared Threader Capacity		Weight	
		in.	mm	in.	mm				in.	mm	lb.	kg
15682	300 Complete	1/8 - 2	3 - 50	1/4 - 2	6 - 50	38 RPM	115	50 - 60	6	150	212	96.2
15722	300 Complete	1/8 - 1 1/4	3 - 31	1/4 - 1 1/2	6 - 40	57 RPM	115	50 - 60	6	150	212	96.2
97415	300A Complete*	1/8 - 2	-3 - 50	1/4 - 1 1/2	-	38 RPM	230	50 - 60	6	-150	202	91.6
97420	300A Complete*	1/8 - 2	-3 - 50	1/4 - 2	-	38 RPM	230	50 - 60	6	-150	202	91.6

Other voltages available upon request. Export machines equipped with special power cord sets.

*300A includes automatic oiling



See page 4.12

Power Threading Machines



Model 535A Automatic Threading Machine

The Model 535A maintains the ruggedness of the industry workhorse while adding features that make the threading operation more productive. A large chip tray and oil reservoir make the 535A ideal for longer uninterrupted threading. The 535 features a high clearance carriage that makes the threading operation easier and a generous top cover area that is ideal for keeping tools and work related materials handy. The 535A is designed around maximum uptime with the upgrades that matter most to the pipe working professional. Users also benefit from the part commonality between the 535, the 535A Automatic and other RIDGID equipment.

- Automatic chuck.
- Large 1.75 gallon oil reservoir.
- Large chip tray.
- Generous top cover area for keeping tools and fittings handy.
- High clearance carriage.
- Can be used with geared threader Model 141.
- Uses Model 816/817 semi-automatic, Model 815A self opening or Model 811A quick-opening die heads.
- Length gauge for quick, accurate cut-off.

Specifications

- Pipe Capacity – $\frac{1}{8}$ "-2" (3mm-50mm) $2\frac{1}{2}$ "-4" (62mm-100mm) with 141 geared threader.
- Bolt Capacity – $\frac{5}{16}$ "-2" (8mm-50mm).
- Spindle Speed – 3 speed 16/46/58 RPM.
- Motor – 2 HP, single-phase, 115V, 60 Hz, 20 Amp reversible induction motor.
- Switches – FOR/OFF/REV and Integral safety foot switch.
- Chuck – automatic with four reversible forged jaws.
- Rear Centering Device – automatic, centering only.
- Cutters – self-centering, full-floating. Two models available: One Standard. No. 820 Wheel-Type Cutter, pipe capacity $\frac{1}{8}$ "-2" (3mm-50mm), bolt capacity $\frac{1}{4}$ "-1" (6mm-25mm). Two Optional. No. 821 Blade-Type cutter, pipe capacity $\frac{1}{2}$ "-2" (12mm-50mm). See ordering chart.
- Reamer – 5-flute cone, RH, $\frac{1}{8}$ "-2" (3mm-50mm).
- Oil Pump – self-priming gerotor oil pump.
- RH/LH combination reamer available.

Standard Equipment

- 11931 – Thread Cutting Oil.
- 97065 – NPT Die Head Quick-Open R.H.
- 47765 – $\frac{1}{2}$ " - $\frac{3}{4}$ " High Speed Dies
- 47770 – 1" - 2" High Speed Dies
- 42365 – Reamer.
- 42390 – Wheel-Type Cutter.
- 41185 – Wheel, Cutter E1032.
- 46015 – Key, Hex $\frac{5}{32}$.
- 46030 – Key, Hex $\frac{3}{16}$.

See page 4.12



Steel Cabinet Features

- 17-gauge steel walls and welded construction
- Two Internal and one external storage shelves
- Oversized bi-fold door with steel clasp
- Cut-outs for power cord and foot switch storage
- Two drain plugs for easy cleaning

Catalog No.	Model No.	Description	Voltage	Chuck	Cutter Model	RPM	Die Head	Weight	
								lb.	kg
91142	535A	Automatic Machine only	115	Automatic	820	16/46/58		340	155
84097	535A	1/2"-2" NPT Automatic	115	Automatic	820	16/46/58	811A	350	159
91322	535A	1/2"-2" NPT Automatic	115	Automatic	820	16/46/58	816/817	360	163

Machines listed as 1/2"-2" include standard equipment. Machine only includes standard equipment less all die heads and dies. Please use catalog item numbers when ordering

Model 535A Machine Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
42365	341	Reamer	6 ³ / ₄	3.1
42390	820	Wheel-Type Cutter	8 ¹ / ₂	3.9
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	74.5
51005	819	Nipple Chuck Complete, 1/2" - 2" NPT	10 ¹ / ₂	4.8
35867	839	Adapter Kit for No. 819 Nipple Chuck	16 ¹ / ₂	7.5
97882	535A	Kit 141 on 535 Auto Chuck with High-Clearance Carriage	12	5.4
12138	535A	Left Hand Threading Kit	2 ¹ / ₂	1.2
42485	4U	4 Heads	8 ¹ / ₂	3.9
42490	6U	6 Heads	12 ¹ / ₂	5.7
97065	811A	811A 1/8" - 2" NPT, Quick Opening, RH	13	5.9
97075	815A	815A 1/8" - 2" NPT Die Head, Self-Opening, RH	13	5.9
23282	842	Universal Die Head	12 ¹ / ₂	5.7
97070	811A	BSPT Die Head Quick-Open R.H.	12 ¹ / ₂	5.7
97080	815A	815A 1/8"-2" BSPT Self-Opening Die Head	13	5.9
97045	531	Bolt Die Head Quick-Open R.H./L.H. 1/4"-1"	8	3.6
97050	532	Bolt Die Head Quick-Open R.H./L.H. 1 1/8"-2"	9	4.1
84537	816	1/8" - 3/4" Semi-Automatic Die Head	13	5.9
84532	817	1/2" - 2" Semi-Automatic Die Head	13	5.9
68160	819	Nipple Chuck 1/2"-2" BSPT	10 ¹ / ₂	4.8
23297	856	British Universal	12 ¹ / ₂	5.7

Note: Mono Die Heads available 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2". All Die Heads are through-head oiling
Dies: All Universal Pipe and Bolt Dies; all 500B Bolt Dies; See pages 4.30-4.32



No. 100A



No. 150A



No. 200A with Steel Cabinet



See page 4.12

Power Threading Machines



Model 535 Threading Machine

The Model 535 maintains the ruggedness of the industry workhorse while adding the features that makes the threading operation more productive. A large chip tray and oil reservoir make the 535 ideal for longer uninterrupted threading. The 535 features a high clearance carriage making the threading operation easier and a generous top cover area that is ideal for keeping tools and work related materials handy. The 535 is designed around maximum uptime with the upgrades that matter most to the pipe working professional. Users also benefit from the part commonality between the 535, the 535A Automatic and other RIDGID equipment.

- Large 1.75 gal. (6.6 L) oil tray.
- Large chip tray.
- Generous top cover for keeping tools and fittings handy.
- High clearance carriage.
- Speed chuck with rocker-action jaws centers and grips work piece instantly.
- Can be used with geared threaders Models 141 and 161.
- Uses Model 816/817 semiautomatic, Model 815A self-opening or Model 811A quick-opening die heads.
- Length gauge for quick, accurate cut-off.

Specifications

- Pipe Capacity – 1/8"-2" (3mm-50mm) 2 1/2"-4" (62mm-100mm), 4"-6" (100mm-150mm) with 141 and 161 geared threaders.
- Bolt Capacity – 1/4"-2" (6mm-50mm).
- Spindle Speed – 36 RPM standard (no load), 54 RPM model also available.
- Motor – 1/2 HP, single-phase, 115V, 50/60 Hz, 15 amp reversible universal motor. (36 RPM)
- Switches – FOR/OFF/REV and Integral safety foot switch.
- Chuck – Speed Chuck™ with replaceable rocker-action jaw inserts (3).
- Rear Centering Device – Cam-action, turns with chuck.
- Cutters – Self-centering, full-floating. Two models available: One Standard. No. 820 Wheel-Type Cutter, pipe capacity 1/8"-2" (3mm-50mm), bolt capacity 1/4"-1" (6mm-25mm). Two Optional. No. 821 Blade-Type cutter, pipe capacity 1/2"-2" (12mm-50mm). See ordering chart.
- Reamer – 5-flute cone, RH, 1/8"-2" (3mm-50mm).
- Oil Pump – Self-priming gerotor oil pump.
- RH/LH combination reamer available.

Standard Equipment

- 42365 – Reamer
- 42390 – Wheel-Type Cutter
- 44185 – Wheel, Cutter E1032
- 46015 – Key, Hex 5/32
- 46035 – Key, Hex 3/16
- 47745 – Dies, Univ 1/2-3/4 NPT
- 47750 – Dies, Univ. 1-2 NPT
- 70835 – Nu-Clear
- 97065 – 811A 1/8" - 2" NPT, Quick Opening, RH

Model 535 Threading Machine

Catalog No.	Model No.	RPM	Voltage	Frequency	Motor	Capacity	Dies Used	Die Head	Weight	
			V	Hz		in.			lb.	kg
93287	535	36	115	50 - 60	Universal	1/2 - 2	NPT	811A	260.0	117.9
96497	535	36	115	50 - 60	Universal	-	-	-	245.0	111.1
96502	535	54	115	50 - 60	Universal	1/2 - 2	NPT*	811A	260.0	117.9
96507	535	36	230	50 - 60	Universal	1/2 - 2	NPT	811A	260.0	117.9

*20 AMP, 115V circuit required



No. 100A



No. 150A



No. 200A with Steel Cabinet

Accessories

- Die Heads and Dies
- Die Head Racks
- Stands - Three Models Available
- Thread Cutting Oil
- Nipple Chuck

Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
16723	-	Drive Link Assembly for High Clearance Carriage	12	5.5
42405	844	Drive Bar for 141	5 ³ / ₄	2.6
42415	768	Drive Link Assembly for 141	2 ¹ / ₂	1.1
51005	819	Nipple Chuck Complete, 1/2" - 2" NPT	10 ¹ / ₂	4.8
84537	816	1/8" - 3/4" Semi-Automatic Die Head	13	5.9
42365	341	Reamer	6 ³ / ₄	3.1
42390	820	Wheel-Type Cutter	8 ¹ / ₂	3.9
58007	-	Machine stand adapter bracket for 535's built before 1996	17	7.7
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	74.5
96517	MJ-1	535M Left Hand Threading Kit	3 ¹ / ₂	1.6
97365	-	Jaw Inserts for Coated Pipe	1/2	0.2
84532	817	1/2" - 2" Semi-Automatic Die Head	13	5.9

Machines Listed as 1/2"-2" include Standard Equipment. Machine Only includes Standard Equipment less all Die Heads and Dies

All machines have 50/60 Hz Universal 1/2 HP single-phase motors

Note: NPT Dies are for NPT Die Heads only, BSPT Dies are for BSPT Die Heads only

Please use Catalog Item Numbers when ordering. Use High Speed Dies for machines of 45 or more RPM

Steel Cabinet Features

- 17-gauge steel walls and welded construction
- Two Internal and one external storage shelves
- Oversized bi-fold door with steel clasp
- Cut-outs for power cord and foot switch storage
- Two drain plugs for easy cleaning



See page 4.12

Power Threading Machines



Model 1215 Threading Machine

- Compact, lightweight design.
- One-piece aluminum housing.
- Two easy-to-use carrying handles.
- Integral foot switch hanger.
- Powerful motor and transmission.
- Through die head oiling.
- Adjustable oil flow control.
- Approved by CSA to CSA and UL standards (115V only).

Specifications

- Pipe Capacity – 1/4" - 1 1/2" (6mm-37mm).
- Bolt Capacity – Bolt: 5/16" - 1" (6mm-25mm).
- Spindle Speed – 44 RPM right hand operation.
- Motor – 1/2 HP universal motor 50/60 Hz.
- Motor Control – ON/OFF heavy duty switch and integral foot switch.
- Front Chuck – Hammer type with replaceable rocker action jaw inserts.
- Rear Centering Device – Cam action.
- Oiling – Through die head adjustable.
- Pump – Self-priming constant flow, gerotor type.
- Cutter – Model 732.
- Reamer – Model 344, 1/4" - 1 1/2".

Standard Equipment

- 97065 – 811A 1/8" - 2" NPT, Quick Opening, RH.
- 47745 – 1/2" - 3/4" Universal Alloy Die Set.
- 47750 – 1 - 1 1/2" Universal Alloy Die Set.
- 58657 – 732 Cutter Assembly.
- 34612 – Model 344 1/8" - 2" Reamer.
- 70835 – Nu-Clear.

Catalog No.	Model No.	Description	Voltage	Frequency	Weight	
			V	Hz	lb.	kg
61142	1215	1/2"-1 1/2" NPT	115	60	80	35

Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
61187	1203	Tripod Stand	15	6.8
62457	1219	Nipple Chuck, NPT For 1215	5 3/4	2.6
97045	531	Bolt Die Head Quick-Open R.H./L.H. 1/4" - 1"	8	3.60
84537	816	1/8" - 3/4" Semi-Automatic Die Head	13	5.90
84532	817	1/2" - 2" Semi-Automatic Die Head	13	5.90

Power Threading Machines



Model 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 – 1/8" - 2" (3mm-50mm).
- Bolt Capacity – 1/4" - 2" (6mm-50mm).
- Spindle Speed – 38 RPM (52 RPM available).
- Motor – 1/2 HP, 115V universal 50/60 Hz.
- Motor Control – Heavy duty rotary FOR/OFF/REV with integral foot switch.
- Chuck – Hammer-type with replaceable, rocker-action jaw inserts.
- Oiling System – Through-the-head, with integral oil reservoir. Self-priming, constant-flow, gerotor pump.

Standard Equipment

- 70835 – Nu-Clear.
- 97065 – 811A 1/8" - 2" NPT, Quick Opening, RH.
- 34612 – Model 344 1/8"-2" Reamer.
- 42370 – Model 360 1/8"-2" Full Floating, Self Centering Cutter.
- 47745 – 1/2" - 3/4" Universal Alloy Die Set.
- 47750 – 1 - 1 1/2" Universal Alloy Die Set.
- Key, Hex 5/32.
- Key, Hex 3/16.
- Key, Hex 5/16.

Catalog No.	Model No.	Pipe Capacity		Dies Used	Spindle Speed	Voltage	Frequency	Weight	
		in.	mm			V	Hz	lb.	kg
66947	300 Compact	1/8 - 2	3 - 50	NPT	38 RPM	115	50 - 60	115	52.3
67182	300 Compact Kit	1/2 - 2	3 - 50	NPT	38 RPM	115	50 - 60	160	72.7
73447	300 Compact*	1/8 - 2	3 - 50	NPT	52 RPM	115	50 - 60	115	52.3
75602	300 Compact Kit*	1/8 - 2	3 - 50	NPT	52 RPM	115	50 - 60	160	72.7
58752	300 Compact	1/8 - 2	3 - 50	BSPT	38 RPM	230	50 - 60	115	52.3
58757	300 Compact	1/8 - 2	3 - 50	NPT	38 RPM	230	50 - 60	115	52.3

*20 AMP, 115V circuit required.

Stands

Catalog No.	Model No.	Description	Weight	
			lb.	kg
67657	250	Folding Wheel Stand	45	21.0
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	74.5

Die Heads

Catalog No.	Model No.	Description	Weight	
			lb.	kg
84537	816	1/8" - 3/4" Semi-Automatic Die Head	13	5.9
97045	531	Bolt Die Head Quick-Open R.H./L.H. 1/4"-1"	8	3.6
97050	532	Bolt Die Head Quick-Open R.H./L.H. 1 1/8"-2"	9	4.1
97065	811A	811A 1/8" - 2" NPT, Quick Opening, RH	13	5.9
97075	815A	815A 1/8" - 2" NPT Die Head, Self-Opening, RH	13	5.9
84532	817	1/2" - 2" Semi-Automatic Die Head	13	5.9
97070	811A	BSPT Die Head Quick-Open R.H.	12 1/2	5.7
97080	815A	815A 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, 1/2" - 2" NPT	10 1/2	4.8
67662		Adapter Bracket for 300 PD Version of 916 Roll Groover	30	13.6
68160	819	Nipple Chuck 1/2"-2" BSPT	10 1/2	4.8



See page 4.12

Threader Stands



Model 1406



Model 100A



Model 150A



Model 200A



Model 250

Threader Stands

Stands are available to satisfy every operational situation. The Model 250 Folding Wheel Stand provides increased field maneuverability and productivity.

Catalog No.	Model No.	Description	Weight	
			lb.	kg
20105	1406	Folding Wheel Stand w/ No. 1460 Oil Pan Cover	71½	32.50
92457	100A	Universal Leg & Tray Stand	75	34.50
92462	150A	Universal Wheel & Tray Stand	103	46.70
92467	200A	Universal Wheel & Cabinet Stand	104	74.50
67657	250	Folding Wheel Stand	45	21.00
22563	-	Steel Cabinet	42	19.30





No. 811A Quick-Opening Die Head



No. 532 Bolt Die Head



No. 815A Self-Opening Die head



No. 816/817 Semi-Automatic



Mono Die Head

Optional Die Heads

- Self-Opening (SO) – Automatic release for repeatable number of threads.
- Quick-Opening (QO) – Manual release for user-specified thread lengths.
- Bolt – Specially for bolt threader.
- Mono – Dedicated to a specific size of thread.
- Semi-Automatic (SA) – Can be quickly adjusted from size to size with manual release.

Machine NPT Die Heads

Catalog No.	Model No.	Description	How Opened	Thread Direction	Oil Thru Head	Dies Used	Pipe Capacity		Bolt Capacity		Weight	
							in.	mm	in.	mm	lb.	kg
97065	811A	811A 1/8" - 2" NPT, Quick Opening, RH	Q.O	RH	Yes	Univ.	1/8 - 2	3 - 50	1/4 - 2	6 - 50	13	5.9
97075	815A	815A 1/8" - 2" NPT Die Head, Self-Opening, RH	S.O	RH	Yes	Univ.	1/8 - 2	3 - 50	1/4 - 2	6 - 50	13	5.9
84537	816	1/8" - 3/4" Semi-Automatic Die Head	S.A	RH	Yes	Univ.	1/8 - 3/4	-	-	-	13	5.9
84532	817	1/2" - 2" Semi-Automatic Die Head	S.A	RH	Yes	Univ.	1 - 2	-	-	-	13	5.9
23282	842	Universal Die Head	Q.O	LH	Yes	Univ.	1/8 - 2	-	-	-	12 1/2	5.7
10491	555	555	Q.O	RH	Yes	Dual/Bolt	1/8 - 3/4	-	-	-	8	3.6

Machine BSPT Die Heads

Catalog No.	Model No.	Description	How Opened	Thread Direction	Oil Thru Head	Dies Used	Pipe Capacity		Bolt Capacity		Weight	
							in.	mm	in.	mm	lb.	kg
97070	811A	BSPT Die Head Quick-Open R.H.	Q.O	RH	Yes	Univ.	1/8 - 2	3 - 50	0 - 2	6 - 2	12 1/2	5.7
97080	815A	815A 1/8"-2" BSPT Self-Opening Die Head	S.O	RH	Yes	Univ.	1/8 - 2	3 - 50	0 - 2	6 - 50	13	5.9
23297	856	British Universal	S.O	LH	Yes	Univ.	1/8 - 2	-	-	-	12 1/2	5.7

Machine Bolt Die Heads

Catalog No.	Model No.	Description	How Opened	Thread Direction	Oil Thru Head	Dies Used	Pipe Capacity		Bolt Capacity		Weight	
							in.	mm	in.	mm	lb.	kg
97045	531	Bolt Die Head Quick-Open R.H./L.H. 1/4"-1"	Q.O	RH/LH	Yes	500B	-	-	1/4 - 1	3 - 25	8	3.6
97050	532	Bolt Die Head Quick-Open R.H./L.H. 1 1/8"-2"	Q.O	RH/LH	Yes	500B	-	-	1 1/8 - 2	29 - 51	9	4.1

Machine Mono Die Heads

Catalog No.	Model No.	Description	How Opened	Thread Direction	Oil Thru Head	Dies Used	Pipe Capacity		Bolt Capacity		Weight	
							in.	mm	in.	mm	lb.	kg
42047	500A	Mono	Q.O	RH	Yes	Mono	1/8	3	-	-	6 3/4	3.1
42052	500A	Mono	Q.O	RH	Yes	Mono	1/4	6	-	-	7	3.2
42057	500A	Mono	Q.O	RH	Yes	Mono	3/8	10	-	-	7	3.2
42062	500A	Mono	Q.O	RH	Yes	Mono	1/2	13	-	-	7 1/4	3.3
42067	500A	Mono	Q.O	RH	Yes	Mono	3/4	19	-	-	7 1/4	3.3
42072	500A	Mono	Q.O	RH	Yes	Mono	1	25	-	-	8	3.6
42077	500A	Mono	Q.O	RH	Yes	Mono	1 1/4	29	-	-	8	3.6
42082	500A	Mono	Q.O	RH	Yes	Mono	1 1/2	38	-	-	8 1/2	3.9
42087	500A	Mono	Q.O	RH	Yes	Mono	2	51	-	-	8 1/2	3.9

Used On: 1215, 1233, 535, 535A, 1822 Machines and 300, 300 Compact and 300-A w/carriage.

No. 811A Die Head replaces No. 811 and No. 841 Die Heads

No. 815A Die Head replaces No. 815 and No. 845 Die Heads

No. 500A Die Head replaces No. 500 Mono Die Heads.

No. 555 Die Head replaces No. 515

Note: British Die Heads use British Dies only

Note: 531 and 532 Die Heads replace 500B Die Head

Individual Machine Die Heads do not include Dies

Die Head Racks for All Machine Die Heads

Catalog No.	Model No.	Description	Weight	
			lb.	kg
42485	4U	4 Heads	8 1/2	3.9
42490	6U	6 Heads	12 1/2	5.7



See page 4.12

Power Threading Machines



Model 1224 Threading Machine

- The Model 1224 threads a wide range of pipe including black, galvanized and plastic-coated pipe, together with stainless steel, IMC and heavy-wall conduit, as well as rod up to 30 Rockwell C.
- An induction motor helps minimize noise.
- A special capacitor-start / capacitor-run motor allows the 1224 to thread a full range of material where voltage drop is experienced.
- 1/4"-2" Universal Die Head; 2 1/2"-4" receding die head allows cutting of tapered or straight NPT/NPSM or BSPT/BSPP threads.
- Constant and proper lubrication of dies and workpiece with through-head oiling.

Specifications

- Nominal Pipe Capacity – 1/4"-2" (6mm-100mm) @ 36 RPM, 2-1/2"-4" (65mm-100mm) @ 12 RPM, 4"-6" (100mm-150mm) with 161 Geared Threader.
- Bolt Capacity – 1/4"-2" (6mm-50mm).
- Spindle Speed – 36/12 RPM.
- Motor – 1 1/2 HP, single-phase, 60 Hz or 50 Hz, induction type.
- Motor Control – Reverse/Off/Forward, heavy-duty rotary-type and integral foot switch.
- Gear Box – Two-speed gear box 3:1 ratio.
- Chuck – Hammer-type with replaceable rocker-action jaw inserts.
- Rear Centering Device – Cam action.
- Oiling Pump – Self-priming, gerotor-type, automatic-reversing, constant-flow.
- Oiling: – Through die head.

Standard Equipment

- 26132 – Diehead, 711 SO Univ L/Dies.
- 26152 – Diehead, 714 SO Recd L/Dies.
- 26192 – Dies. 1224 2-1/2"-4NPT HS.
- 26212 – 1/4"-4" Wheel-Type Cutter.
- 26217 – 1/4"-4" Blade-Type Reamer.
- 33125 – Wheel, Cutter F229.
- 46030 – Key, Hex 3/16.
 - Key, Hex 7/32.
 - Key, Hex 1/4.
- 47795 – Dies, Univ 1/2-3/4 NPT.
- 47750 – Dies, Univ 1-2 NPT.
- 70835 – Nu-Clear.
 - Wrench, 3/4 COMB.
 - Tool Box.

Catalog No.	Model No.	RPM	Capacity	Dies Used	Voltage	Frequency Hz	Weight	
			in.		V		lb.	kg
26092	1224	36/12	1/2 - 4	NPT	120	60	509.0	231.0
26097	1224	36/12	1/2 - 4	NPT	240	60	509.0	231.0
26127	1224	36/12	1/2 - 4	BSPT	120	60	509.0	231.0
26112	1224	36/12	1/2 - 4	BSPT	115	50	463.0	231.0
26122	1224	36/12	1/2 - 4	BSPT	240	60	509.0	231.0
26107	1224	36/12	1/2 - 4	BSPT	220	50	463.0	210.0
31442	1224	36/12	1/2 - 4	NPT	220	50	463.0	210.0



Model 541
Model 542



Model 713
Model 913



Model 714 (914) Style Receding Die Head

Stands

Catalog No.	Model No.	Description	Weight	
			lb.	kg
22563	-	Steel Cabinet	42	19.30
92457	100A	Universal Leg & Tray Stand	75	34.50
92462	150A	Universal Wheel & Tray Stand	103	46.70
92467	200A	Universal Wheel & Cabinet Stand	104	74.50

Die Heads

Catalog No.	Model No.	Description	Capacity		Weight	
			in.	mm	lb.	kg
26132	711	Universal Self-Opening R.H.. NPT	1/4 - 2	6.4 - 50.8	12.2	5.6
26137	911	Universal Self-Opening R.H.. BSPT	1/4 - 2	6.4 - 50.8	12.2	5.6
26142	713	Universal Quick-Opening L.H.. NPT	1/4 - 2	6.4 - 102	12.2	5.6
26147	913	Universal Quick-Opening L.H.. BSPT	1/4 - 2	6.4 - 50.8	12.2	5.6
26152	714	Receding Self-Opening R.H.. NPT	2 1/2 - 4	6.4 - 50.8	30.0	13.6
26157	914	Receding Self-Opening R.H.. BSPT	2 1/2 - 4	6.4 - 102	30.0	13.6
26162	541	Quick-Opening Bolt L.H./R.H.	1/4 - 1	6.4 - 25.4	7.5	3.4
26167	542	Quick-Opening Bolt L.H./R.H.	1 1/8 - 2	29 - 50.8	9.2	4.2
55447	725	Cut-Grooving Die Head	2 1/2 - 4	64 - 102	30.0	13.6
55452	766	Blade Type Cutter	3/4 - 4	64 - 88.9	21.0	9.5
57492	-	4" Grooving Die Set*	-	-	2.2	1.0
57497	-	2 1/2"-3 1/2" Grooving Die Set*	2 1/2 - 3 1/2	102	2.2	1.0
57502	-	4" Grooving Bit only*	-	-	-	-
57507	-	2 1/2"-3 1/2" Grooving Bit only*	-	19 - 102	-	-
58712	-	Cut-Off Tool Bit	-	-	-	-

Note: Die Heads do not include dies. All Die Heads are through-head oiling
*Not for use with stainless steel

Pipe Dies

Catalog No.	Description	Capacity		Weight	
		in.	mm	lb.	kg
26192	1224 H.S. Dies NPT	2 1/2 - 4	62 - 100	2.2	1.0
31827	1224 H.S. NPT Dies for Plastic-Coated Pipe	2 1/2 - 4	62 - 100	2.2	1.0
31832	1224 H.S. BSPT Dies for Plastic-Coated Pipe	2 1/2 - 4	62 - 100	2.2	1.0
32237	1224 H.S. Dies NPT for PVC	2 1/2 - 4	62 - 100	2.0	1.0
32242	1224 H.S. Dies BSPT for PVC	2 1/2 - 4	62 - 100	2.0	1.0
33057	1224 H.S. Dies NPT for Stainless Steel	2 1/2 - 4	62 - 100	2.0	1.0
33072	1224 45° Beveling Dies	2 1/2 - 4	62 - 100	2.0	1.0
33077	1224 37 1/2° Beveling Dies	2 1/2 - 4	62 - 100	2.0	1.0
33642	1224 H.S. Dies BSPT	2 1/2 - 4	62 - 100	2.2	1.0
44992	1224 Bevel Guide Set	2 1/2 - 4	62 - 100	2.0	1.0
44997	1224 37 1/2° Bevel Bit Only	-	-	-	-
45002	1224 45° Bevel Bit Only	-	-	-	-

Note: NPSM threads are made with NPT dies by adjusting the die head. See manual for details.

Accessories

Catalog No.	Model No.	Description	Capacity		Weight	
			in.	mm	lb.	kg
51005	819	Nipple Chuck Complete. 1/2" - 2" NPT	1/2 - 2	12 - 50	10.5	4.8
61122	840A	Universal Drive Shaft	-	-	31.0	14.1
26187	-	Jaw Insert and Roll Set for PE-Coated Pipe	-	-	0.2	0.1
26212	764	1/4" - 4" Wheel-Type Cutter	-	-	19.0	8.6
26217	744	1/4" - 4" Blade-Type Reamer	-	-	13.0	5.9
26707	-	Gear Grease (1224 & 1822)	-	-	1.0	0.5
34157	419	Nipple Chuck 2 1/2" NPT	-	-	5.5	2.5
34162	419	Nipple Chuck 3" NPT	-	-	5.5	2.5
34167	419	Nipple Chuck 4" NPT	-	-	5.5	2.5
34172	419	Nipple Chuck 2 1/2" BSPT	-	-	5.5	2.5
34177	419	Nipple Chuck 3" BSPT	-	-	5.5	2.5
34182	419	Nipple Chuck 4" BSPT	-	-	5.5	2.5
34577	-	1/4" - 4" Reamer Blade	-	-	0.5	0.2



See page 4.12