

SECTION

# 4

# GROOVERS, POWER DRIVES, THREADERS & DIES

*Combo Roll Groover*

*Portable Roll Groovers*

*5301PD Power Drives*

*Ground Fault Interrupter*

*5401TMSO Threading Machines*

*Machine Cart*

*700PD Power Drives*

*700APD Pneumatic Power Drives*

*601PD Power Drives*

*Oilers*

*Threadguard Cutting Oil*

*R12+ Segmental Dies*

*R12+ Dropheads*

*R12+ Threader Sets*

*Universal Dies*

*Universal Die Head*

*Enclosed Ratchet Threader Sets*

*Enclosed Dropheads*

*Adjustable Guide Threader Sets*

*Block Dies*

**Ti SALES**

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800-225-4616  
[www.tisales.com](http://www.tisales.com)

*RGCOMB02 Combo Roll Groover makes consistent depth, smooth groove. Shown grooving in the air on 6" Schedule 40 steel pipe.*



PIPE TOOLS & VISES  
SINCE 1896

## COMBO ROLL GROOVER

### FEATURES

- Perform **both power and manual** roll grooves with ease.
- May be used "in air" or with 5301PD Power Drive.
- **Built to last!**

Combo Roll Groover is a 2-in-1 service tool that yields cost savings of time and money by allowing a complete change in minutes from power machine operation to manual work or back. **Patented RGCMB02** forms standard rolled grooves in steel, stainless steel (SS) and aluminum pipe from 1 1/4" - 6". The formed grooves comply with the specifications required for mechanical coupling systems. The only adjustment required is for the depth of the groove.

Catalog No.	Item Code	Pipe Material	Power Source	Pipe Capacity		Gross Weight*	
				in-nom.	mm	lbs	kg
RGCMB02**	09200	Sch. 10 - 40 for Steel, SS, Aluminum	Power or Manual	1 1/4" - 6"	32 - 152	31.4	14.3

\*GROSS WEIGHT includes all components plus packaging.

\*\*PATENTED

### SELECTION CHART

Select the roll groover for the proper type of pipe.

Catalog No.	Item Code	Power Source*	Tool Weight		Pipe Capacity		Type of Pipe			
			lbs	kg	in-nom.	mm	SS	Steel	Al	PVC
RG6S	08500	Power	22.7	10.3	1 1/4" - 6" Sch. 5S to 40	32 - 152	X	X	X	X
RG26S	08510	Manual	19.1	8.7	2" - 6" Sch. 5S to 10S 2" - 3" Sch. 40	51 - 152 51 - 76	X	X	X	X
RGCMB02	09200	Power or Manual	27.5	12.5	1 1/4" - 6" Sch. 10 to 40	32 - 152	X	X	X	

\*5301PD POWER DRIVE ON P. 52 is the recommended power source.

## PORTABLE ROLL GROOVERS

### FEATURES

- Finger-adjust depth screw and gauge on RG6S for **quick, accurate** and repeatable groove depths.
- **Angled rollers** on RG26S keep the groover on the pipe and in-line.
- RG26S ratchet wrench is easy to use in tight places.

Reed Portable Roll Groovers are compact, durable tools for use at installation sites. **RG6S** roll groover is designed to be powered by Reed 5301PD power drive. RG6S has heavy-duty, sealed bearings and a steel body to withstand the punishment of severe grooving applications, including use on Schedule 40 pipe. Finger-adjust depth screw and gauge provide quick adjustment and accurate, repeatable groove depths. No bulky adjusting wrenches required. **RG26** roll groover manually grooves in-place pipe and pipe too short for powered groovers. It is easily carried and positioned with a convenient handle. Screw knob on top of unit makes for easy depth adjustments. Included ratcheting handle is used for feeding and turning.

Catalog No.	Item Code	Pipe Material	Power Source	Pipe Capacity		Gross Weight*	
				in-nom.	mm	lbs	kg
RG6S	08500	Steel, SS, PVC, Aluminum	Power	1 1/4" - 6" Sch. 5S to 40	32 - 152	26.6	12.1
RG26S	08510	Steel, SS, PVC, Aluminum	Manual	2" - 6" Sch. 5S to 10S 2" - 3" Sch. 40	51 - 152 51 - 76	20.0	9.1

\*GROSS WEIGHT includes all components plus packaging.

NOTE: Grooves will comply with dimensional specifications published by ANSI/AWWA C-606 and mechanical coupling manufacturers.

HYDROSTATIC TEST PUMPS ON P. 47  
5301PD POWER DRIVES ON P. 52



### WHY REED?

Combo Roll Groover has compact, lightweight design with built-in handle for improved mounting and transporting. All gears enclosed in the casting minimize debris entering tool. Consistent tracking makes this tool great to use time after time.

2-in-1 groovers feature reliable, effortless tracking!



RGCMB02 with 5301PDCOMP



RGCMB02 in use



Two wrenches ship with RGCMB02. There's a straight handle for power grooving and an angled handle for easier, more efficient manual grooving.



### WHY REED?

Combines the compact RG6S design for long life with sealed, heavy-duty bearings and up to 6" capacity.



RG6S with 5301PDCOMP

### WHY REED?

Angled rollers keep the groover on the pipe and in-line: **will not "walk off" pipe**. It uses heavy-duty bearings, hardened and ground shafts, and rollers mounted in a ductile iron housing for durability. Ratchet wrench is convenient to use in tight spaces.



RG26S in use on steel pipe



RG26S



**EXCLUSIVE  
FEATURE**

**240V Models  
Available**

5301PD is CSA Approved for Canada!

**ONLINE VIDEO  
TRAINING**



**5301PDCOMP**

## 5301PD POWER DRIVES

### FEATURES

- Available in 120V or 240V, depending on location needs.
- 5301PDCOMP "complete" comes with HSS (High Speed Steel) Universal Dies versus the competitor's alloy steel dies.
- 5301PD (without carriage assembly) is a good choice for power grooving using Reed's RG6S or RGCOMBO2 roll groovers.

Reed's 5301PD Power Drive rotates the pipe while cutting, reaming and threading operations are performed on up to 2" diameter pipe or bolt. The flat housing top provides a handy workspace. Reed offers both basic 5301PD power drive machines with foot pedal and the complete models\*\*\* which include a tripod, transporter, carriage, reamer, pipe cutter, die head and dies, oiler and cutting oil.

Catalog No.	Item Code	Capacity		Description	Gross Weight*	
		in-nom.	actual O.D. mm		lbs	kg
5301PD	05301	1/8 - 2 Pipe 1/4 - 2 Bolt**	10.3 - 60.3 Pipe 6 - 50 Bolt**	Power Drive 38 RPM, 120V with Footswitch only	93	43
5301PD57RPM	05302	1/8 - 2 Pipe 1/4 - 2 Bolt**	10.3 - 60.3 Pipe 6 - 50 Bolt**	Power Drive 57 RPM, 120V with Footswitch only	93	43
5301PDCOMP	05303	1/8 - 2 Pipe 1/4 - 2 Bolt**	10.3 - 60.3 Pipe 6 - 50 Bolt**	Power Drive Complete*** 38 RPM, 120V, NPT Dies	208	95
5301PD57RPMCMP	05304	1/8 - 2 Pipe 1/4 - 2 Bolt**	10.3 - 60.3 Pipe 6 - 50 Bolt**	Power Drive Complete*** 57 RPM, 120V, NPT Dies	208	95
5301PD240	05321	1/8 - 2 Pipe 1/4 - 2 Bolt**	10.3 - 60.3 Pipe 6 - 50 Bolt**	Power Drive 38 RPM, 240V with Footswitch only	93	43
5301PDCOMP240B	05322	1/8 - 2 Pipe 1/4 - 2 Bolt**	10.3 - 60.3 Pipe 6 - 50 Bolt**	Power Drive Complete*** 38 RPM, 240V, BSPT Dies	208	95
5301PDCOMP240	05323	1/8 - 2 Pipe 1/4 - 2 Bolt**	10.3 - 60.3 Pipe 6 - 50 Bolt**	Power Drive Complete*** 38 RPM, 240V, NPT Dies	208	95

\*GROSS WEIGHT includes all components plus packaging.

\*\* Bolt dies not currently available from Reed.

\*\*\* COMPLETE units contain Power Drive, Footswitch, Tripod, Carriage with Lever, Pipe Cutter, Reamer, R811 Universal Die Head, Transporter, Oiler, 1 gallon Threadguard Cutting Oil and one set each High Speed Steel Universal Dies: 1/2" - 3/4" and 1" - 2" NPT or BSPT, depending on model.

COMBO ROLL GROOVERS ON P. 51

PORTABLE ROLL GROOVERS ON P. 51



**5301PD**

**Transporter  
with 5301PD**

## ACCESSORIES

Catalog No.	Item Code	Description	Weight	
			lbs	kg
5301PDTP	05305	5301PD Tripod	26.0	11.8
5301PDTRANSPRTR	05306	5301PD Transporter	28.0	12.7
5301PDCARRIAGE	05307	5301PD Carriage	16.0	7.3
5301PDREAMER	05308	5301PD Reamer	6.8	3.1
5301PDCUTTER	05309	5301PD Cutter	8.5	3.9

COMBO ROLL GROOVERS ON P. 51

PORTABLE ROLL GROOVERS ON P. 51

OILERS ON P. 56

THREADGUARD CUTTING OIL ON P. 56

UNIVERSAL DIE HEAD ON P. 58

UNIVERSAL DIES ON P. 58

### ✓ WHY REED?

Flat top of housing is ideal for placing tools. 5301PD includes long-lasting high speed steel (HSS) dies, not alloy dies. All steel oiler (not plastic) with 60" (not 54") hose included with complete units.

## GROUND FAULT INTERRUPTER

### FEATURES

- Stay safe and use a GFI.

The PDGFI Ground Fault Interrupter can be used with any Reed power drive or power threader. When drilling/tapping live pipe or actuating a valve with the potential for water to be present, the PDGFI is recommended.



**PDGFI**

Catalog No.	Item Code	Description	Weight	
			lbs	kg
PDGFI	05277	Ground Fault Interrupter 20 VAC, 50/60Hz, 15 AMPERES, 1800 WATTS	0.8	0.4



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## 5401TMSO THREADING MACHINES

### FEATURES

- **Self-oiler** feature allows operator to concentrate on the pipe work.
- **Open work space** features a large, integral oil reservoir and an easy-to-remove chip collection tray.
- Three-spoke handwheel easily moves the carriage and starts the dies for threading.

Reed's 1/2 horsepower, electric-motor-driven **5401TMSO** Threading Machine centers and chucks pipe and conduit and rotates it while cutting, reaming and threading operations are performed. Its through head oiling system features a self-priming pump that generously floods the pipe with oil while threading. Threading capacity for bolt is 1/4" - 2" and for pipe is 1/8" - 2" nominal. Plenty of carriage clearance to allow easy cleanup and removal of cuttings and chips. Handy three-spoke handwheel with a gear and rack system easily moves the carriage and starts the dies onto the pipe for threading. System includes\*\*\* threading machine with footswitch, legs, die head and dies (NPT or BSPT) and cutting oil.

Catalog No.	Item Code	Description	Capacity in-nom.	Gross Weight*	
				lbs	kg
5401TMSO	05365	Threading Machine 1/2 HP***, 120V single phase 60Hz, NPT Dies	Pipe: 1/8" - 2" Bolt: 1/4" - 2" ** depending on dies	175	79.4
5401TMSOENPT	05368	Threading Machine 1/2 HP***, 240V single phase 60Hz, NPT Dies	Pipe: 1/8" - 2" Bolt: 1/4" - 2" ** depending on dies	175	79.4
5401TMSOEBSP	05369	Threading Machine 1/2 HP***, 240V single phase 60Hz, BSPT Dies	Pipe: 1/8" - 2" Bolt: 1/4" - 2" ** depending on dies	175	79.4

\*GROSS WEIGHT includes all components plus packaging.

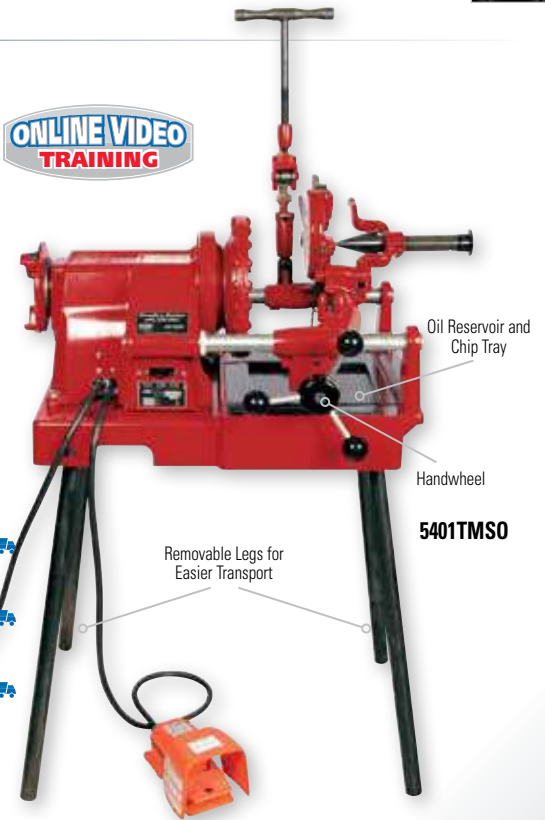
\*\*Bolt dies not currently available from Reed.

\*\*\*COMPLETE units include Threading Machine, Footswitch, Legs, R811 Universal Die Head, 1 gallon Threadguard Cutting Oil, and one set each High Speed Steel Universal Dies: 1/2" - 3/4" and 1" - 2" NPT or BSPT, depending on model.

THREADGUARD CUTTING OIL ON P. 56

UNIVERSAL DIE HEAD ON P. 58

UNIVERSAL DIES ON P. 58



## MACHINE CART

### FEATURES

- Crank handle **raises and lowers caster** to change cart movement.
- **Anti-tip bar** mechanism for safety when transporting machines.
- Heavy-duty steel (not plastic) storage tray for durability.

Reed's **5401CRT** cart makes transport of the threading machine easy. The heavy-duty cart is fabricated from steel tubing. The cart handles slide in to keep them out of the way when space is an issue. It has an exclusive feature caster which is on the same end of the cart as the handles. The caster's crank handle allows the cart to be moved up and down so that, if desired, the cart can be pushed around instead of lifted and pushed like a wheelbarrow. The cart also features an anti-tip front bar mechanism and a heavy-duty steel (not plastic) storage tray. The cart fits the Reed 5401TMSO Threading Machine or RIDGID® 300 Compact, 1224, 1233, 1822, 535, or 535A/585 Manual. **Assembly required** of cart.

Catalog No.	Item Code	Height		Width		Length		Weight	
		in	mm	Inches	mm	in	mm	lbs	kg
5401CRT	06670	27.5	698.5	26	660.4	40	1016	72	32.7
						(Handles in)	(Handles in)		
						57	1448		
						(Handles out)	(Handles out)		





## ✓ WHY REED?

Reed 700PD comes with a **FREE** safety arm – 10% extra value over the competition! The vinyl-coated handle provides better electrical safety. Flexible pigtail cord retainer extends cord life and prevents pull-out. The neoprene sealed switch keeps dirt out and prolongs switch life.



700PD is approved for US and CSA Canada specs!



## 700PD POWER DRIVES

### FEATURES

- Heavy-duty 700PD **workhorse** is designed for constant, daily use.
- **FREE safety arm** included.
- Vinyl-coated handle provides better electrical safety to the user.
- Neoprene **sealed switch** helps keep dirt out and prolongs switch life.

Reed's **700PD** Power Drive is a portable, electric-motor-driven, heavy-duty power drive which provides power for threading pipe and conduit up to 2" (50 mm) in diameter. It uses Reed R12+ Segmental Dies and Dropheads or RIDGID® brand 12R dies and dropheads. The 700PD comes with a **FREE** safety arm. The vinyl-coated handle provides better electrical safety. The sealed switch keeps dirt out which prolongs switch life. The 700PD is ½ horsepower, double insulated, turns at 28 RPM no load and uses electrical forward/reverse switch. Reed's 700PD is approved for US and CSA Canadian standards. The 700PD can be used to power hot tapping and drilling machines by adding Reed's TMPDA Power Drive Adapter. It can also be used to power Reed Valve Operators in conjunction with the VOKCLUTCH.

**700PD POWER DRIVE** Ships with *Free Safety Arm!*

Catalog No.	Item Code	Capacity		Description	Gross Weight*	
		in-nom.	actual O.D. mm		lbs	kg
700PD	05270	1/8 - 2	10.3 - 60.3	Power Drive & Safety Arm, 120V, 60 Hz	41	18.4
700PDSET	05272	1/2 - 2 NPT	21.3 - 60.3	Power Drive & Safety Arm, 120V, 60 Hz, six R12+ Dropheads for 1/2" - 2" NPT	67	30.5

\*GROSS WEIGHT includes all components plus packaging.  
[R12+ DROPHEADS AND SEGMENTAL DIES ON P. 57](#)  
[POWER UNITS FOR TAPPING/DRILLING ON P. 43](#)  
[OILERS ON P. 56](#)  
[VALVE OPERATORS ON P. 49](#)

### SAFETY ARM

Catalog No.	Item Code	Description	Weight	
			lbs	kg
700V	05275	Replacement Safety Arm for 700PD & 700APD Power Drives	7	3.2

700PD and Oiler on Tripod



## 700APD PNEUMATIC POWER DRIVES

### FEATURES

- **Pneumatic-powered** and useful for threading pipe in an environment where electric shock or sparks from an electric tool are hazardous.
- May also be used for power tapping or valve exercising.

Due to its pneumatic power source, Reed's **700APD** Power Drive can be used in environments where electric shock or sparks from an electric tool are hazardous. Portable and heavy-duty, the 700APD provides power for threading pipe and conduit up to 2" (50 mm) diameter. The included **700V** Safety Arm absorbs the forces generated during threading and frees up the operator to oil the dies. Its 4 HP pneumatic motor turns at 28 RPM no load. Reed's 700APD has a maximum torque of 400 lb-ft. and uses Reed R12+ Segmental Dies and Dropheads.

Catalog No.	Item Code	Capacity		Air Consumption	Description	Gross Weight*	
		in-nom.	actual O.D. mm			lbs	kg
700APD	05260	1/8 - 2	10.3 - 60.3	80 CFM @ 90 psi 2.4 cu. m/min @ 6.2 Bar	Pneumatic Power Drive & Safety Arm, 28 RPM, 4 HP motor	56	25.5
700APDSET	05262	1/2 - 2 NPT	21.3 - 60.3	80 CFM @ 90 psi 2.4 cu. m/min @ 6.2 Bar	Pneumatic Power Drive & Safety Arm, 28 RPM, 4 HP motor with six Dropheads for 1/2" - 2" NPT	83	37.7

\*GROSS WEIGHT includes all components plus packaging.  
**NOTE: Always use a filter-regulator-lubricator (FRL) with Reed pneumatic tools.** Reed offers FRL #97591.  
[FILTER - REGULATOR - LUBRICATOR ON P. 17](#)  
[R12+ DROPHEADS & SEGMENTAL DIES ON P. 57](#)  
[POWER UNITS FOR TAPPING/DRILLING ON P. 43](#)  
[VALVE OPERATORS ON P. 49](#)

### POWER DRIVE UNIT WEIGHT

A measure of the tool weight the operator must support.

Catalog No.	Item Code	Weight	
		lbs	kg
601PD	05240	15	6.8
701PD	05250	16	7.3
700PD	05270	31	14.3
700APD	05260	46	20.9

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700APD and Oiler on Tripod





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## 601PD POWER DRIVES

### FEATURES

- The **lightest power drive** on the market.
- Safety arm and carrying case included.
- A great alternative to hand-threading.
- CSA and CE approved.

**601PD** Power Drive weighs only 15.4 pounds, yet delivers plenty of torque for threading through 1 1/4" pipe. A safety arm is always included, as is a carrying case. No load forward speed is 25 RPM, with a fast reverse switch that allows 60 RPM backoff to expedite jobs. The REVERSE button on the power drive is used to properly and quickly remove the threader drophead or die head from the pipe that has just been threaded. (There is no threading done in the REVERSE position.) An entire power drive kit (#05244, #05245) weighs from 30 to 32 pounds, making the 601PD the easiest machine to get to gas pipe and other on-site jobs. 601PD power drive uses R11 Enclosed Dropheads or RIDGID® 11-R dropheads. **601V** Safety Arm absorbs the forces generated when threading and frees up the operator to oil the dies during threading.



601V Safety Arm

**601PD POWER DRIVE** Ships with Free Safety Arm!

Catalog No.	Item Code	Capacity		Description	Gross Weight*	
		in-nom.	actual O.D. mm		lbs	kg
601PD	05240	1/4 - 1 1/4	13.7 - 42.2	Power Drive & Safety Arm, 110 - 120V, 50 - 60 Hz with Case	25.0	11.4
601PDKIT1	05244	1/2 - 1	21.3 - 33.4	Power Drive & Safety Arm, 110 - 120V, 50 - 60 Hz, three R11 Dropheads for 1/2" - 1" NPT, with Case	30.0	13.6
601PDKIT1-1/4	05245	1/2 - 1 1/4	21.3 - 42.2	Power Drive & Safety Arm, 110 - 120V, 50 - 60 Hz, four R11 Dropheads for 1/2" - 1 1/4" NPT, with Case	32.0	4.5

\*GROSS WEIGHT includes all components plus packaging.  
R11 ENCLOSED DROPHEADS ON P. 59  
POWER UNITS FOR TAPPING/DRILLING ON P. 43

### SAFETY ARM

Catalog No.	Item Code	Description	Weight	
			lbs	kg
601V	05242	Replacement Safety Arm for 601PD Power Drives	5.7	2.6

601PDKIT1-1/4



Eliminate hand-threading with this portable, lightweight machine!



www.NewWindEnergy.com

Reed is always mindful of using practical and environmentally-friendly options for literature and packaging.

The paper used for this catalog is sourced from managed forests. A web press, powered by wind power, is used. The ink is heat-set and 99.9% of all VOC's (volatile organic compounds) are destroyed in a dryer sequence used by Reed's printing partner, Knepper Press. For more information, visit [www.knepperpress.com/environmentally-green-printer](http://www.knepperpress.com/environmentally-green-printer).

REED  
ENVIRONMENTAL STEWARDSHIP

**OLBUCKT1**



## OILERS

### FEATURES

- **Ruggedness** of Reed's metal drip pan/chip tray is superior to competitors' plastic pans.
- Sturdy nozzle made from **solid aluminum** (not from thin tubing).

Reed Oilers effectively deliver threading oil as the gun-and-trigger approach makes it easy to pump oil directly on the work. The rugged and completely portable Reed **OLBUCKT1** comes with a 20-gauge steel bucket and steel drip pan/chip tray along with oil gun, a 60" industrial-grade hose and one gallon of dark oil. Drip pan/chip tray is durable metal and outlasts competitor's plastic pans. The oiler system double-filters and recirculates oil as the chip tray catches the big waste pieces and the filter strains out any small particles. Oil gun features a sturdy nozzle made from turned aluminum. **OLBUCKT1** ships with one gallon of Reed Threadguard dark cutting oil. **OLKIT1** includes the oil gun, hose, cap, clamp and seal.

*NOTES: Approximately one gallon of oil in the bucket is required to meet the minimum fill line for hose penetration. USE REED DARK OR CLEAR THREADGUARD CUTTING OIL FOR BEST RESULTS. Please recycle or use of used threading oil according to the regulations of user's own state or country.*

Catalog No.	Item Code	Weight	
		lbs	kg
OLBUCKT1*	06150	21.0	9.5
OLKIT1	06158	2.5	0.9

\*Includes 1 Gallon of Oil, #06120.

### ACCESSORIES

Item Code	Description
06120	Dark Cutting Oil – Gallon
97370*	60" Hose (1524 mm)
97375*	Metal Drip Pan/Chip Tray - 20 gauge sheet steel
97376*	Metal Bucket - 20 gauge sheet steel
97380	Oil Pan Strainer
97395*	Oil Gun

\*Interchangeable with similar parts on RIDGID® oilers.

### ✓ WHY REED?

Much stronger and longer-lasting than oilers with plastic drip pans/chip trays. 60" (not 54") hose maximizes user convenience. Both features eliminate downtime and save money.



**OLKIT1**



Metal Drip Pan

Metal Bucket



## THREADGUARD CUTTING OIL

### FEATURES

- Successful hand and machine threading depends on this **quality cutting oil**.
- **Quart-size available** in both clear and dark oil.
- Clear oil is not prone to staining.

Reed Threadguard Cutting Oil was developed by thousands of actual work-condition tests by Reed and oil company laboratories. It is specifically formulated for cooling the work, prolonging die life, and increasing cutting speed for both machine and hand threading.

### DARK OIL

Catalog No.	Item Code	Size	Weight	
			lbs	kg
OQD	06118	Quart	2.0	0.9
OGD	06120	Gallon*	8.2	3.7
O55GD	06124	55 Gallon	465.0**	211.4**

### CLEAR OIL

OQC	06110	Quart	2.0	0.9
OGC	06112	Gallon*	7.9	3.6
O55GC	06116	55 Gallon	465.0**	211.4**

\*24 or more gallon bottles must ship by truck freight.

\*\*GROSS WEIGHT



**OGD**

**OQD**

**OGC**

**OQC**

### ✓ WHY REED?

Higher lubricity for longer die life and faster cutting speed.



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## R12+ SEGMENTAL DIES

### FEATURES

- R12+ Segmental Dies are made of high speed steel which **lengthens die life**.
- Precision manufactured by modern CNC machines.

Reed knows how to cut a good thread and high speed steel (HSS) R12+ Segmental Dies show this with cutting edges manufactured in-house by precision CNC machinery. The segmental die design enables smooth chip flow and easy cutting. R12+ Segmental Dies are replaceable parts for Reed R12+ Dropheads, as well as the following RIDGID® dropheads: 12-R, 00-R, 111-R, 0-R, 11-R, 30A and 31A threaders. Segmental dies are sold in full sets of four numbered dies. Use with Reed Threadguard Cutting Oil for better and faster threads and longer die life.

### R12+ SEGMENTAL DIES

Catalog No.	Item Code	Size	Material Threaded	Weight	
				lbs	kg
R12DN1/2	05606	1/2" NPT	Steel & Stainless Steel	0.2	0.1
R12DN3/4	05608	3/4" NPT	Steel & Stainless Steel	0.2	0.1
R12DN1	05610	1" NPT	Steel & Stainless Steel	0.3	0.1
R12DN1 1/4	05612	1 1/4" NPT	Steel & Stainless Steel	0.3	0.1
R12DN1 1/2	05614	1 1/2" NPT	Steel & Stainless Steel	0.5	0.2
R12DN2	05616	2" NPT	Steel & Stainless Steel	0.5	0.2

THREADGUARD CUTTING OIL ON P. 56

R12DN1



### ✓ WHY REED?

Reed offers high speed steel (HSS) dies for the price of competitor's alloy dies: a 10%+ cost savings. Reed R12+ series is made in USA. HSS dies last longer than alloy dies, especially if used with power drives.

Reed provides over 100+ years of quality die-making expertise.

## R12+ DROPHEADS

### FEATURES

- R12+ Dropheads ship with **longer lasting**, high speed steel dies whereas competitor uses alloy dies.

R12+ Dropheads ship completely assembled and ready to use with HSS segmental dies already in place. R12+ Dropheads can be used manually with the R12RRHC ratchet ring and handle or with 700PD, 700APD and 701PD. R12+ dropheads are interchangeable with RIDGID® 12-R dropheads and can also be utilized in the RIDGID® 700 power drive.

Catalog No.	Item Code	Size	Material Threaded	Weight	
				lbs	kg
DHR12 1/2NPT	05626	1/2" NPT	Steel & Stainless Steel	3.6	1.6
DHR12 3/4NPT	05628	3/4" NPT	Steel & Stainless Steel	3.6	1.6
DHR12 1NPT	05630	1" NPT	Steel & Stainless Steel	4.2	1.9
DHR121 1/4NPT	05632	1 1/4" NPT	Steel & Stainless Steel	4.7	2.1
DHR121 1/2NPT	05634	1 1/2" NPT	Steel & Stainless Steel	5.1	2.3
DHR12 2NPT	05636	2" NPT	Steel & Stainless Steel	5.4	2.5



### ✓ WHY REED?

Reed's dropheads are designed for improved chip flow and easier cutting. Reed's dropheads are more than 10% less expensive than RIDGID® 12-R dropheads with HSS dies.



DHR121 1/2NPT

## R12+ THREADER SETS

### FEATURES

- Choose the number of dropheads needed for an NPT set.

R12+ Drophead Threader Sets include complete dropheads in sizes from 1/2" to 2" NPT threads. Each drophead threader set has a ratchet ring and handle. In addition, the Reed R12+ ratcheting ring R12RRHC accepts all RIDGID® 12-R dropheads. All drophead threader sets thread steel pipe. Only the "BOX" model includes a metal toolbox with pegs for the dropheads. Extra R12BOX boxes available separately.

Catalog No.	Item Code	Size	Dropheads Included	Weight	
				lbs	kg
R12NPT-3	05712	1/2" to 1" NPT	3	16.4	7.5
R12NPT-4	05714	1/2" to 1 1/4" NPT	4	21.1	9.6
R12NPT-5	05716	1" to 2" NPT	4	24.4	11.1
R12NPT-6	05720	1/2" to 2" NPT	6	31.6	14.4
R12NPT-6-BOX	05721	1/2" to 2" NPT with R12BOX	6	52.6	23.9

### ACCESSORIES

Catalog No.	Item Code	Description	Weight	
			lbs	kg
R12BOX	05715	Box Only with 6 Drophead Slots	21.0	9.5
R12RRHC	05638	Ratchet Ring & Handle	5.0	2.3



NOTE: Most Reed R12+ threader sets **DO NOT** include the R12 box. It can be ordered separately as #05715.







Reed provides over 100+ years of quality die-making expertise.

UHN1-2



### ✓ WHY REED?

Reed Universal Dies are made in the USA, lab tested and proven, then field tested and approved by threading specialist contractors and industrial users. Years of on-going lab and field tests have shown Reed Universal Dies give clean threads and long die life.

## UNIVERSAL DIES

### FEATURES

- Reed Universal Dies give **clean threads** and **long die life** as proven by years of field and lab testing.

Reed used its 100+ years of die-making experience to select the best materials, methods and CNC production for its Universal Dies. These dies fit Reed's 5301PD power drive, RIDGID® 300, 300 Compact, 535, 535 Automatic, 1215, 1822-I, 1224 plus the Reed R811 Universal Die Head.

Reed offers alloy, high speed steel (HSS) and HSS for stainless steel universal dies in NPT or BSPT geometries. All three provide excellent threads. Alloy dies are the most economical. HSS dies last longer than alloy dies because HSS universal dies withstand high temperature without losing hardness. This feature allows them to cut faster than the alloy at room temperature. HSS for stainless steel dies are designed specially for stainless steel pipe. Use with Reed Threadguard Cutting Oil for better and faster threads and longer die life.

Catalog No.	Item Code	Size	Die Material	Standard Package	Weight	
					lbs	kg
UAN1/2-3/4	05805	1/2 - 3/4" NPT	Alloy	4	1.5	0.7
UAN1-2	05810	1 - 2" NPT	Alloy	4	1.3	0.6
UHN1/2-3/4	05815	1/2 - 3/4" NPT	HSS	4	1.5	0.7
UHN1-2	05820	1 - 2" NPT	HSS	4	1.3	0.6
UHS1/2-3/4	05825	1/2 - 3/4" NPT	HSS for Stainless	4	1.5	0.7
UHS1-2	05830	1 - 2" NPT	HSS for Stainless	4	1.3	0.6
UHB1/2-3/4	05865	1/2 - 3/4" BSPT	HSS	4	1.4	0.6
UHB1-2	05870	1 - 2" BSPT	HSS	4	1.3	0.6

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[THREADING MACHINES ON P. 53](#)

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## UNIVERSAL DIE HEAD

### FEATURES

- R811 die head holds any NPT or BSPT thread Reed Universal Dies.
- Works on machines with **through head oiling** capabilities.

**R811** Universal Die Head uses universal dies from Reed, RIDGID®, Wheeler-Rex®, Berkley and some private brands. R811 fits Reed's 5301PD Power Drive and RIDGID® machine models 300, 535 and 1822. The R811 universal die head offers easy-to-adjust size selection with manual open/close operation, along with die lubrication slots. R811 does not include universal dies; order them separately.

Catalog No.	Item Code	Capacity		Weight	
		in-nom.	actual O.D. mm	lbs	kg
R811	05380	1/8 - 2	10.3 - 60.3	12.5	5.7

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R811



PIPE TOOLS & VISES  
SINCE 1896

## ENCLOSED RATCHET THREADER SETS

### FEATURES

- High quality dies and dropheads made on CNC machines.
- Dies are alloy steel; heads are malleable iron.
- Sets are the **lightest drophead sets** available, size for size.

For the Enclosed Ratchet Threader Sets, precise dies and dieheads are manufactured on CNC machines. Sets contain dropheads and handle in a compact, reinforced plastic carrying case. Dropheads are available from 1/4" to 2" NPT. Dropheads in these sets fit Reed's 601PD power drive. Dropheads up through 1 1/4" are interchangeable with RIDGID® 11-R and R200, Super-Ego® 600, Virax® 1362, Rothenberger™ Super Cut hand ratchet threaders and Supertronic portable power threaders.

Catalog No.	Item Code NPT	Range Inches	Heads Included	Weight	
				lbs	kg
DH82-5	05198	3/4 - 1 1/4	3	10.9	5.0
DH82-4	05200	1/2 - 1 1/4	4	12.2	5.5
DH82-3	05201	3/8 - 1 1/4	5	13.4	6.1
DH81-2	05202	1/4 - 1	5	12.7	5.8
DH81-3	05203	3/8 - 1	4	10.2	5.1
DH81-4	05204	1/2 - 1	3	10.1	4.6
DH84-4	05222	1/2 - 2	6	22.8	10.4
DH84-5	05223	3/4 - 2	5	21.5	9.8
DH84-6	05224	1 - 2	4	20.0	9.1
DH84-7	05225	1 1/4 - 2	3	18.2	8.3



DH81-2



### ✓ WHY REED?

No alignment problems as dies are enclosed within each drophead. These complete dropheads are less expensive than models requiring individual segment replacement.

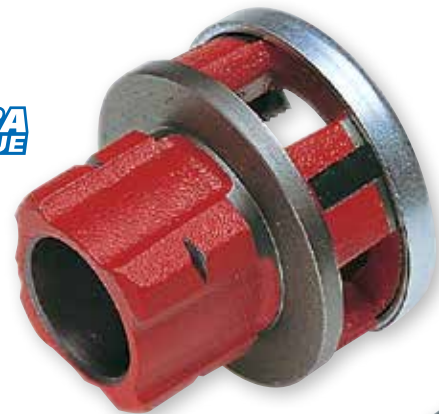
## ENCLOSED DROPHEADS

### FEATURES

- Affordable, **ready-to-use** dropheads have the dies in-line every time making them quick to grab and use.
- **Low-cost**, disposable, compact, high-quality dies.

Enclosed Dropheads for NPT fit the Reed 601PD power drive and are interchangeable with RIDGID® 11-R and R200 (through 1 1/4"), Super Ego® 600, Virax® 1362, Rothenberger™ Super Cut hand ratchet threaders and Supertronic portable power threaders. Separate replacement die segments are not available for these disposable, enclosed dropheads because of the low cost of a complete head. Use R11SC ratchet ring and handle with 1/4" - 1 1/4" dropheads. R20SC ratchet ring and handle works with all R11 dropheads, including 1 1/2" and 2", provided that the R20 ADAPTER is used with the smaller 1/4" - 1 1/4" enclosed dropheads.

Catalog No.	Item Code	Description	Weight	
			lbs	kg
R11 1/4NPT	05210	1/4" NPT Drophead	1.2	0.5
R11 3/8NPT	05211	3/8" NPT Drophead	1.2	0.5
R11 1/2NPT	05212	1/2" NPT Drophead	1.3	0.6
R11 3/4NPT	05213	3/4" NPT Drophead	1.4	0.6
R11 1NPT	05214	1" NPT Drophead	1.9	0.9
R11 1 1/4NPT	05215	1 1/4" NPT Drophead	2.0	0.9
R15 1 1/2NPT	05226	1 1/2" NPT Drophead	3.7	1.7
R20 2NPT	05227	2" NPT Drophead	3.4	1.5



R15 1 1/2NPT

R20 ADAPTER



R20SC

R11SC with R11 3/8NPT

## ACCESSORIES

Catalog No.	Item Code	Description	Weight	
			lbs	kg
R11SC	05230	Ratchet Ring & Handle for R11 1/4" - 1 1/4" Dropheads	3.7	1.7
R20SC	05231	Ratchet Ring & Handle for R11 1 1/2" - 2" Dropheads	5.4	2.5
R20 ADAPTER	05234	Adapts R11 1/4" - 1 1/4" Dropheads to R20SC	0.6	0.3

601PD POWER DRIVES ON P. 55



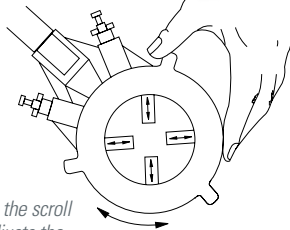


Reed provides over 100+ years of quality die-making expertise.

### ✓ WHY REED?

Reed threader sets:

- Best choice for close quarters work!
- Threads pipe out of wall with as little as 1" pipe showing.
- 15%-20% less expensive for a full set versus RIDGID® 12-R sets.
- Reed block dies thread both stainless steel and carbon steel, using the same die.



Simply turning the scroll plate easily adjusts the guide fingers over standard or coated pipe to center the die every time.



## ADJUSTABLE GUIDE THREADER SETS

### FEATURES

- **Economical and convenient** because it's only necessary to have a die for each pipe size, not a die and a head.

The Reed adjustable guide system and solid block dies make these the most economical, most convenient and most versatile threader sets on the market. Because the adjustable guide system adjusts to different sizes of pipe, it is only necessary to have a die for each pipe size, not a die plus a head. Other threader sets which require a die and a head for each size take up considerably more room in the toolbox or truck. Further, with two pawls, handle swing is faster on the adjustable guide threader sets – half the time of one pawl competitive sets, and best for close quarter work. Adjustable Guide Threader Sets work well on coated pipe because the diehead can fit over the coating and then be tightened down into place. So, there is no need to peel back the coating before threading. This speeds up the job and permits maximum retention of the protective coating to extend pipe life. Adjustable Guide Threader Sets use Reed Block Dies for easy cutting and precise threading. Block dies may also be used as pipe thread chasers to clean-up the threads and remove debris.

### SERIES SD81 USES OS (2" X 2") DIES

Catalog No.	Item Code	Range Inches	Dies Included	Weight	
				lbs	kg
SD81-4*	05105	1/2 - 1	3	6.8	3.1

### SERIES SD84 FULL RANGE 1/2" - 2" - USES 2S (4" X 4") DIES

SD84-4*	05151	1/2 - 2	6	29.1	13.2
SD84-5*	05149	3/4 - 2	5	26.1	11.9
SD84-6*	05147	1 - 2	4	23.2	10.6
SD84-7*	05145	1 1/4 - 2	3	19.8	9.0

\*EXCLUSIVE

## BLOCK DIES

### FEATURES

- Reed's block dies thread both carbon steel and stainless steel with **no die change required**.
- Produce the most **precise thread** of any die.
- Block dies are made from hardened and tempered tool steel for **toughness and wearability**.

Only Reed solid block dies have wide throats and extra-fine threads that actually pull the die onto the pipe, even if the burr is large. CNC-milled from solid tool steel, solid block dies are available in NPT threads. Chasers do not have to be individually set. Reed chasers are machined as a unit (not bolted in place) for perfect alignment. Lower cost and less weight are two more good reasons to use Reed solid block dies compared to systems requiring die changes. Use with Reed Threadguard Cutting Oil for better and faster threads and longer die life.

### NPT - SOLID DIES FOR STEEL / STAINLESS STEEL

Catalog No.	Item Code	Size	Block Size Inches	Stocks That Dies Fit		Weight	
				lbs	kg		
OSP1/8*	05400	1/8	2 X 2	S81, SD81, 81	71D	0.6	0.3
OSP1/4*	05402	1/4	2 X 2	S81, SD81, 81	71D	0.6	0.3
OSP3/8*	05404	3/8	2 X 2	S81, SD81, 81	71D	0.6	0.3
OSP1/2*	05406	1/2	2 X 2	S81, SD81, 81	71D	0.5	0.2
OSP3/4*	05408	3/4	2 X 2	S81, SD81, 81	71D	0.5	0.2
OSP1*	05410	1	2 X 2	S81, SD81, 81	71D	0.5	0.2
2SP1/2*	05524	1/2	4 X 4	S84, SD84, 84	-	3.0	1.4
2SP3/4*	05526	3/4	4 X 4	S84, SD84, 84	-	2.9	1.3
2SP1*	05528	1	4 X 4	S84, SD84, 84	-	3.4	1.5
2SP1 1/4*	05530	1 1/4	4 X 4	S84, SD84, 84	-	3.2	1.5
2SP1 1/2*	05532	1 1/2	4 X 4	S84, SD84, 84	-	3.0	1.4
2SP2*	05534	2	4 X 4	S84, SD84, 84	-	2.6	1.2

\*EXCLUSIVE

THREADGUARD CUTTING OIL ON P. 56



2SP1 1/2



### ✓ WHY REED?

The Reed block die is machined as a unit to ensure perfect threads and to eliminate the danger of inserting a chaser into the wrong slot.



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