

# Manual Ratchet Threaders



### EXPOSED RATCHET THREADER SETS

All matched Threader/Sets include Die Heads, Ratchet Assembly, Ratchet Handle and Alloy Dies. All Threader Sets use same 12-R Dies in Die Head.

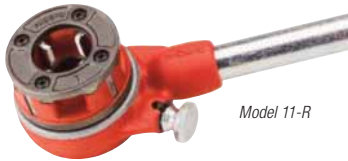
- Model 00-R: Capacity 1/8" - 1" without carrying case.
- Model 12-R: Capacity 1/8" - 2" with carrying case.

Catalog No.	Model No.	Description	Die Heads Include		Weight	
			in.	mm	lb.	kg
36345	00-R		1/2 - 1	12 - 25	10	4.5
36355			3/8 - 1	10 - 25	1¼	5.1
36375			1/8 - 1	3 - 25	13¾	6.2
36480	12-R	NPT	1/2 - 1¼	12 - 32	23¾	10.8
36475			1/2 - 2	12 - 50	34¾	15.8
36505			1/8 - 2	3 - 50	45½	20.7
55207*			1/2 - 2	12 - 50	35½	16.1
65175	00-R		1/2 - 1	12 - 25	10	4.5
65255	12-R	BSPT	1/2 - 2	12 - 50	34¾	15.8
65285			1/8 - 2	3 - 50	45½	20.7
36510			NPSM	1/2 - 2	12 - 50	34¾

\*For plastic-coated pipe

### ENCLOSED RATCHET THREADER SETS

- All matched Threader/Sets include Die Heads, Ratchet Assembly, Ratchet Handle and Alloy Dies. All Threader Sets use same 12-R Dies in Die Head.
- No 11-R capacity: 1/8" - 1 1/4".



Model 11-R

Catalog No.	Model No.	Description	Die Heads Include		Weight	
			in.	mm	lb.	kg
36390	11-R	NPT	½ - 1¼	12-32	16	7.3

### RATCHET & HANDLE ONLY

- Ratchet knob indicates forward and reverse.
- Die heads snap in from both sides and lock in place.



Catalog No.	Model No.	Description
38540	00-RB & 00-R	Ratchet & Handle Only
37777	11-R	
38550	111-R	
30118	12-R	
38535	0-R	



See page 4.12

## Manual Ratchet Threaders

### THREE-WAY PIPE THREADERS

- Each model cuts three thread sizes and uses 12-R ratchet threader dies.



Catalog No.	Model No.	Capacity		Dies Used	Weight	
		in.	mm		lb.	kg
36540	31-A NPT	½ - 1	12 - 25	RH Alloy - NPT	10	4.6
36550		½ - 1	12 - 25	RH High Speed - NPT		
36555		½ - 1	12 - 25	RH High Speed For Stainless Steel - NPT		
65320	31-A BSPT	½ - 1	12 - 25	RH Alloy BSPT		
36560	31-A NPSM	½ - 1	12 - 25	RH Alloy - NPSM		

### EXPOSED RATCHET BOLT THREADER SETS

- No. 00-RB: Capacity 1/4"-1".
- All matched threader sets include button die heads, ratchet assembly (00-R) and ratchet handle. Button dies can be reversed to thread close to bolt shoulder or head.



Catalog No.	Model No.	Description	No. Die Heads Complete	Thread Type	Capacity Range		Weight	
					in.	mm	lb.	kg
36680	00-RB	Ratchet Bolt Threader	10	UNC	¼ - 1	6 - 25	20	9.1
36690			10	UNF	¼ - 1	6 - 25		

### CARRYING CASES

- Helps keep die sets organized.



Catalog No.	Description	Thread Type	Length		Height		Weight	
			in.	mm	in.	mm	lb.	kg
38605	Metal Case		19 <sup>9</sup> / <sub>16</sub>	497	3 <sup>9</sup> / <sub>16</sub>	81	7 ½	3.4
38610			19 <sup>1</sup> / <sub>8</sub>	485	3 <sup>3</sup> / <sub>16</sub>	81		
38615			25 <sup>5</sup> / <sub>16</sub>	650	6 <sup>7</sup> / <sub>32</sub>	158	7 ¾	3.51
38620			24 <sup>1</sup> / <sub>8</sub>	612	9 <sup>1</sup> / <sub>16</sub>	246		
38625	Metal Case (Holds 6 Die Heads)		25 <sup>7</sup> / <sub>16</sub>	657	6 ½	165	13	5.9
97375	Metal Case (Holds 9 Die Heads)		24 <sup>3</sup> / <sub>8</sub>	619	10	254	15	6.8
21218	Plastic Case		25	635	14	355	6	2.72

Cases contain no die heads

See page 4.12



# Die Heads

**MODELS 00-R, 12-R, 11-R & 00-RB**  
**Selection: North American Standards**



	Catalog No.									
	Nominal Pipe Size (in.)									
	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
<b>Model No. 00-R</b>										
<b>(NPT)</b>										
Alloy RH	36875	36880	36885	36890	36895	36900	-	-	-	
High-Speed RH	36935	36940	36945	36950	36955	36960	-	-	-	
High-Speed for Stainless Steel RH	36965	36970	36975	36980	36985	36990	-	-	-	
<b>(NPSM)</b>										
Alloy RH	36995	37000	37005	37010	37015	37020	-	-	-	
API High-Speed	-	-	83435	68775	68780	-	-	-	-	
<b>Model No. 12-R</b>										
<b>(NPT)</b>										
Alloy RH	37375	37380	37385	37390	37395	37400	37405	37410	37415	
High-Speed LH	-	-	-	37435	37440	37445	37450	37455	37460	
High-Speed RH	37465	37470	37475	37480	37485	37490	37495	37500	37505	
High-Speed for Stainless Steel RH	37510	37515	37520	37525	37530	37535	37540	37545	37550	
High-Speed for PVC RH	-	83450	83455	83460	83465	83470	83475	83480	83485	
High-Speed for Plastic Coated Pipe	-	-	-	51857	51862	51867	51872	51877	51882	
Alloy for IMC RH	-	-	-	92690	92695	92700	92705	92710	92715	
<b>(NPSM)</b>										
Alloy RH	37555	37560	37565	37570	37575	37580	37585	37590	37595	
<b>Model No. 11-R</b>										
<b>(NPT)</b>										
Alloy RH	37025	37030	37035	37040	37045	37050	37055	20923	20943	
High-Speed RH	37095	37100	37105	37110	37115	37120	37125	20928	20948	
High-Speed for Stainless Steel RH	37130	37135	37140	37145	37150	37155	37160	20933	20953	
<b>(NPSM)</b>										
Alloy RH	37165	37170	37175	37180	37185	37190	37195	20938	20958	
<b>Model No. 00-RB</b>										
	<b>1/4</b>	<b>5/16</b>	<b>3/8</b>	<b>7/16</b>	<b>1/2</b>	<b>9/16</b>	<b>5/8</b>	<b>3/4</b>	<b>7/8</b>	<b>1</b>
	<b>20 TPI</b>	<b>18 TPI</b>	<b>16 TPI</b>	<b>14 TPI</b>	<b>13 TPI</b>	<b>12 TPI</b>	<b>11 TPI</b>	<b>10 TPI</b>	<b>9 TPI</b>	<b>8 TPI</b>
<b>(UNC)</b>										
Alloy RH	37610	37615	37620	37625	37630	37635	37640	37645	37650	37655
Alloy LH	-	-	-	37675	-	-	-	37695	-	-
<b>(UNF)</b>										
Alloy RH	37710	37715	37720	37725	37730	37735	37740	37745	-	37755
Alloy LH	-	-	-	37775	37780	37785	37790	37795	37800	37805

Unless highlighted, all die heads come complete with selected dies and are set at the factory.  
 ■ Highlighted die heads require assembly with supplied dies.  
 All matched threader/sets include die heads, ratchet assembly, ratchet handle and specified dies.  
 ■ Not for manual hand threading.



See page 4.12

## Die Heads

### RATCHET THREADERS – MODELS 00-R, 12-R, 11-R Selection: British & International Standards



	Catalog No.								
	Nominal Pipe Size (in.)								
	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
<b>Model No. 00-R</b>									
<b>(BSPT)</b>									
Alloy RH	65705	65710	65715	65720	65725	65730	–	–	–
High-Speed RH	65765	65770	65775	65780	65785	65790	–	–	–
<b>Model No. 12-R</b>									
<b>(BSPT)</b>									
Alloy RH	65950	65955	65960	65965	65970	65975	65980	65985	65990
High-Speed LH	–	–	–	–	–	66020	–	66030	66035
High-Speed RH	–	–	–	66040	66045	66050	66055	66060	66065
Alloy for JIS RH	–	–	–	92585	92590	92595	92600	92605	92610
<b>(BSPP)</b>									
Alloy RH	–	49932	49937	49942	49947	49952	–	49962	49967
<b>Model No. 11-R</b>									
<b>(BSPT)</b>									
Alloy RH	65550	65555	65560	65565	65570	65575	65580	–	–
High-Speed RH	–	–	65620	65625	65630	65635	65640	–	–
<b>(BSPP)</b>									
Alloy RH	–	–	65680	65685	65690	65695	65700	–	–

Unless highlighted, all die heads come complete with selected dies and are set at the factory.  
 ■ Highlighted die heads require assembly with supplied dies.  
 All matched threader/sets include die heads, ratchet assembly, ratchet handle and specified dies.

#### SELECTION: BRITISH & INTERNATIONAL STANDARDS

	Catalog No.			
	Nominal Pipe Size (mm)			
	20 mm	25 mm	32 mm	40mm
<b>Model No. 11-R</b>				
(ISO) Alloy RH	75005	75010	75015	75020

See page 4.12



# Pipe Dies

Selection: Models 00-R, 11-R, 12-R, 0-R, Ratchet Threaders or 30A, 31A 3-Way Pipe Threaders



Die Material or Type	Catalog No.								
	Nominal Pipe Size – Threads Per Inch								
	1/8-27	1/4-18	3/8-18	1/2-14	3/4-14	1-11½	1¼-11½	1½-11½	2-11½
<b>(NPT) National Pipe Taper</b>									
Alloy RH	37810	37815	37820	37825	37830	37835	37840	37845	37850
High-Speed RH	37855	37860	37865	37870	37875	37880	37885	37890	37895
High-Speed LH	–	38050	38055	38060	38065	38070	38075	38080	38085
H.S. For Stainless Steel RH	37900	37905	37910	37915	37920	37925	37930	37935	37940
H.S. For PVC RH	–	–	70685	70690	70695	70700	70705	70710	70715
HS Reversible RH*	–	–	–	49707	49712	49717	49722	49727	–
<b>(NPSM) National Pipe Straight Mechanical</b>									
Alloy RH	37945	37950	37955	37960	37965	37970	37975	37980	37985
<b>(API) American Petroleum Institute***</b>									
High-Speed RH	–	–	70720	70725	70730	–	–	–	–
<b>(BSPT) British Standard Pipe Taper**</b>									
	1/8-28	1/4-19	3/8-19	1/2-14	3/4-14	1-11	1¼-11	1½-11	2-11
Alloy RH	45848	45853	45858	45863	45868	45873	45878	45883	45888
High-Speed RH	66310	66315	66320	66325	66330	66335	66340	66345	66350
High-Speed LH	66405	66410	66415	66420	66425	66430	66435	–	66445
HS Reversible RH*	–	–	56337	56342	56347	56352	–	–	56367
<b>(BSPP) British Standard Pipe Parallel**</b>									
Alloy RH	66190	66195	66200	66205	66210	66215	66220	66225	66230

\* Dies can be reversed in die head for close-to-wall threading.

\*\* Requires British Die Head.

\*\*\* Requires API Die Head.

ISO International Standards Organization	Nominal Conduit Size in mm – Thread Pitch in mm			
	20-1.5	25-1.5	32-1.5	40-1.5
Alloy RH	85830	76305	85835	76315

Requires 11-R ISO Die Head, see page 4.6.

BEC British Electrical Conduit (1)	Nominal Conduit Size – Threads Per Inch					
	1/2-18	5/8-18	3/4-16	1-16	1¼-16	1½-14
Alloy RH	66155	66160	–	–	66175	–

(1) Requires 11-R BEC Die Head.

# Bolt Threaders Button Dies

Selection: Model 00-RB Ratchet Bolt Threaders, or 31B, 33B, 35B, 37B 3-Way Bolt Threaders

Die Material or Type	Catalog No. Rod Diameter – Threads Per Inch									
	1/4-20	5/16-18	3/8-16	7/16-14	1/2-13	5/8-12	3/4-11	1-10	1¼-9	1-8
Alloy RH	38335	38340	38345	38350	38355	38360	38365	38370	38375	38380
<b>(UNF) Unified National Fine</b>										
	1/4-28	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	3/4-18	1-16	1¼-14	1-12
Alloy RH	38385	38390	38395	38400	38405	38410	38415	38420	38425	15317



See page 4.12