



ROD END NUMBER	DIMENSIONS IN INCHES								OTHER DIMENSIONS				MAX. STATIC LOAD IN POUNDS		APPROX. WEIGHT POUNDS
	BORE	BALL WIDTH	HOUSING WIDTH	BALL FLAT DIAM.	HEAD DIAM.	LENGTH TO CENTER OF BALL	THREAD LENGTH	THREAD SIZE	K	J	M	L	RADIAL	AXIAL	
	B	W	H	O	D	F	A	M	MIN.	CLASS UNF-3B	+010 -010	+010 -010	+005 -005	+010 -010	
AR-3	.1900 +0015 -0005	.312 +000 -0005	.250 +005 -0005	.306 (REF)	.625 +010 -010	1.062 +010 -010	.562 MIN.	.1900 UNF-3B -32	.406	.312	.312	.187	5,375	1,700	.03
R AR-4	.2500	.375	.281	.355	.750	1.312	.750	.2500 UNF-3B -28	.468	.375	.312	.187	5,375	1,700	.06
R AR-5	.3125	.437	.344	.447	.875	1.375	.750	.3125 UNF-3B -24	.500	.437	.406	.187	7,500	2,375	.08
RL AR-6	.3750	.500	.406	.517	1.00	1.625	.937	.3750 UNF-3B -24	.687	.562	.469	.250	9,575	2,950	.14
RL AR-7	.4375	.562	.437	.586	1.125	1.812	1.062	.4375 UNF-3B -20	.750	.625	.531	.250	11,050	3,350	.18
RL AR-8	.5000	.625	.500	.698	1.312	2.125	1.187	.5000 UNF-3B -20	.875	.750	.594	.250	13,575	4,050	.29
RL AR-10	.6250	.750	.562	.839	1.500	2.500	1.500	.6250 UNF-3B -18	1.000	.875	.750	.312	17,300	5,125	.43
RL AR-12	.7500	.875	.687	.978	1.750	2.875	1.750	.7500 UNF-3B -18	1.125	1.000	.875	.312	23,225	6,750	.64

**Specifications**

**OUTER MEMBER:** 4130 Chrome moly steel-heat treated, magnetic particle inspected, cadmium plated

**BALL:** Chrome steel-heat treated, chrome plated 52100

**INSERTS:** Aluminum bronze

**R** Designates units normally available from stock with right hand thread.

**L** Designates units normally available from stock with left hand thread. For delivery information on units not designated as normally available from stock, contact nearest Morse Service Center.

**Notes**

1. Add letter "L" to prefix to indicate left hand thread. Example: ARL-4N.
2. This series is equipped with lubricators as shown. Optional Flush type Lubricators available. See page 30 for ordering instructions.
3. For engineering data, see page 34 and 35.
4. For additional information, see pages 29 and 30. special sizes and materials can be provided upon request.
5. For optional inspection hole add letter "J" to suffix. Example: AR-4NJ