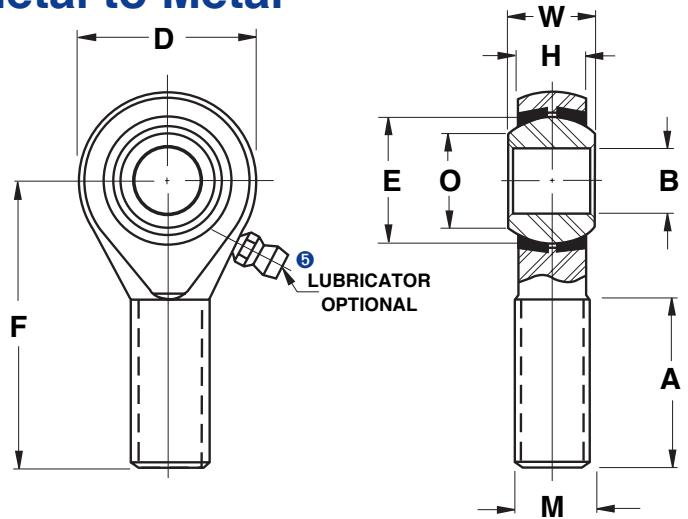


# Precision Extra Capacity Series

## Four Piece - Metal to Metal



### Series HMX G

ROD END NUMBER	DIMENSIONS IN INCHES										MAXIMUM STATIC RADIAL LOAD		APPROX WEIGHT LBS
	BORE	BALL WIDTH	HOUSING WIDTH	HEAD DIAMETER	LENGTH TO CENTER OF BALL	THREAD LENGTH	THREAD SIZE	BALL DIAMETER	BALL FLAT DIAMETER	WITH LUBRICATOR	WITHOUT LUBRICATOR		
	B	W	H	D	F	A	M	E	O	LBF			
	+0.015 - .0005	+0.000 - .005	+0.005 - .005	+0.010 - .010	+0.010 - .010	+0.062 - .031	UNF -3A	REF	REF				
HMX4G	.2500	.375	.281	.750	1.562	1.000	.3125-24	.515	.353	3,260	6,680	.06	
HMX5G	.3125	.437	.344	.875	1.875	1.250	.3750-24	.625	.447	4,920	8,410	.09	
HMX6G	.3750	.500	.406	1.000	1.938	1.250	.4375-20	.718	.516	7,240	11,160	.13	
HMX7G	.4375	.562	.437	1.125	2.125	1.375	.5000-20	.812	.586	7,620	13,660	.18	
HMX8G	.5000	.625	.500	1.312	2.438	1.500	.6250-18	.937	.698	11,920	19,340	.30	
HMX10G	.6250	.750	.562	1.500	2.625	1.625	.7500-16	1.125	.839	13,940	21,080	.46	
HMX12G	.7500	.875	.687	1.750	2.875	1.750	.8750-14	1.312	.978	21,570	29,800	.72	

**Outer Member:** 4130 or 4340 Alloy steel, heat treated, magnetic particle inspected, with protective coating for corrosion resistance

**Ball:** 52100 Alloy steel, heat treated, chrome plated

**Inserts:** Copper alloy

#### NOTES

- 1 Add letter "L" to prefix to indicate Left Hand thread  
Example: HMXL4G
- 2 For design options, see page 31
- 3 For Engineering data, see pages 28 thru 30
- 4 "H" tolerance across inserts is +/- .015
- 5 Delete letter "G" from suffix to indicate no lubricator  
Example: HMX4

### Series BHM

ROD END NUMBER	DIMENSIONS IN INCHES										MAXIMUM STATIC RADIAL LOAD		APPROX WEIGHT LBS
	BORE	BALL WIDTH	HOUSING WIDTH	HEAD DIAMETER	LENGTH TO CENTER OF BALL	THREAD LENGTH	THREAD SIZE	BALL DIAMETER	BALL FLAT DIAMETER	WITH LUBRICATOR	WITHOUT LUBRICATOR		
	B	W	H	D	F	A	M	E	O	LBF			
	+0.015 - .0005	+0.000 - .005	+0.005 - .005	+0.010 - .010	+0.010 - .010	+0.062 - .031	UNF -3A	REF	REF				
BHM4	.2500	.375	.281	.750	1.562	1.000	.2500 - 28	.515	.353	4,290	6,880	.05	
BHM5	.3125	.437	.344	.875	1.875	1.250	.3125 - 24	.625	.447	6,880	10,500	.08	
BHM6	.3750	.500	.406	1.000	1.938	1.250	.3750 - 24	.718	.516	10,500	15,000	.12	
BHM7	.4375	.562	.437	1.125	2.125	1.375	.4375 - 20	.812	.586	13,660	19,340	.17	
BHM8	.5000	.625	.500	1.312	2.438	1.500	.5000 - 20	.937	.698	19,340	21,080	.26	
BHM10	.6250	.750	.562	1.500	2.625	1.625	.6250 - 18	1.125	.839	21,080	29,800	.41	
BHM12	.7500	.875	.687	1.750	2.875	1.750	.7500 - 16	1.312	.978	29,800		.64	

**Outer Member:** 4130 or 4340 Alloy steel, heat treated, magnetic particle inspected, with protective coating for corrosion resistance

**Ball:** 52100 Alloy steel, heat treated, chrome plated

**Inserts:** Copper alloy

- 1 Add letter "L" to prefix to indicate Left Hand thread  
Example: BHML4
- 2 For design options, see page 31
- 3 For Engineering data, see pages 28 thru 30
- 4 "H" tolerance across inserts is +/- .015
- 5 Lubricator optional on BHM series  
Example: BHM4G

#### NOTES