Inch
Endura
Loader Slot
Rod Ends

XM & XF Alloy Steel

Self-Lubricating Race - Right & Left Hand Threads - Male & Female

XM & XF Features

BALL
- 52100 Bearing Steel
- Heat Treated
- Hard Chrome Plated
- Precision Ground

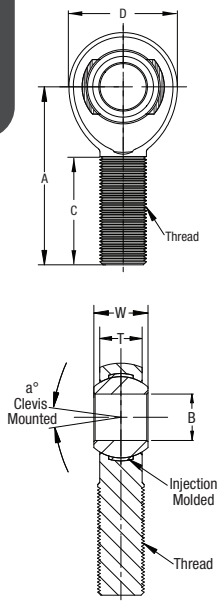
RACE
- Reinforced Nylon 12 with PTFE

BODY
- Alloy Steel
- Heat Treated
- Protective Coated for Corrosion Resistance

EXCLUSIVE FEATURES
- Metal-to-Metal Support for Heavy Shock Loads
- Increased Cross-Sectional Thickness for Greater Tensile Strength

PART NUMBER — DIMENSIONS IN INCHES

XM Male

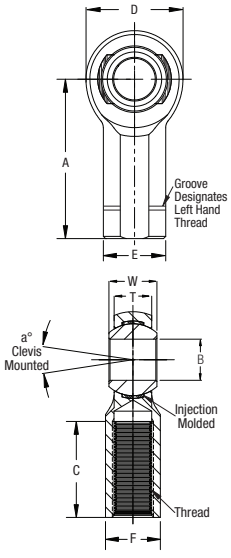


Right Hand	Left Hand	B +.0015 -.0005	W ±.005	T ±.005	A ±.015	D ±.010	Ball Dia. Ref.	C +.062 -.031	Thread UNF-3A	Misalign. Angle a°	Ult. Radial Static Load Lbs.	Approx. Brg. Wgt. Lbs.
XMR3	XML3	0.1900	0.312	0.250	1.250	0.625	0.437	0.750	10-32	13	2,851	0.03
XMR4	XML4	0.2500	0.375	0.281	1.562	0.750	0.500	1.000	1/4-28	16	5,260	0.04
XMR4-5	XML4-5	0.2500	0.375	0.281	1.875	0.875	0.500	1.250	5/16-24	13	8,452	0.07
XMR5	XML5	0.3125	0.437	0.344	1.875	0.875	0.625	1.250	5/16-24	14	7,639	0.07
XMR5-6	XML5-6	0.3125	0.437	0.344	1.938	1.000	0..625	1.250	3/8-24	12	10,382	0.11
XMR6	XML6	0.3750	0.500	0.406	1.938	1.000	0.719	1.250	3/8-24	12	9,544	0.11
XMR6-7	XML6-7	0.3750	0.500	0.406	2.125	1.125	0.719	1.375	7/16-20	10	14,006	0.15
XMR7	XML7	0.4375	0.562	0.437	2.125	1.125	0.812	1.375	7/16-20	14	10,285	0.15
XMR7-8	XML7-8	0.4375	0.562	0.437	2.438	1.312	0.812	1.500	1/2-20	12	18,761	0.24
XMR8	XML8	0.5000	0.625	0.500	2.438	1.312	0.937	1.500	1/2-20	12	16,238	0.24
XMR8-10	XML8-10	0.5000	0.625	0.500	2.625	1.500	0.937	1.625	5/8-18	10	23,542	0.36
XMR8-12	XML8-12	0.5000	0.750	0.562	2.875	1.750	0.937	1.750	3/4-16	16	32,457	0.42
XMR10	XML10	0.6250	0.750	0.562	2.625	1.500	1.125	1.625	5/8-18	16	17,955	0.36
XMR10-12	XML10-12	0.6250	0.750	0.562	2.875	1.750	1.125	1.750	3/4-16	13	31,680	0.57
XMR12	XML12	0.7500	0.875	0.687	2.875	1.750	1.312	1.750	3/4-16	14	28,081	0.57
XMR12-14	XML12-14	0.7500	0.875	0.687	3.375	2.000	1.312	1.875	7/8-14	12	43,486	0.88
XMR14	XML14	0.8750	0.875	0.765	3.375	2.000	1.375	2.000	7/8-14	7	45,051	0.88
XMR16	XML16	1.0000	1.375	1.000	4.125	2.750	1.875	2.125	1 1/4-12	17	76,200	2.41
XMR16-1	XML16-1	1.0000	1.375	1.000	4.125	2.750	1.875	2.125	1-14*	17	76,200	2.13
XMR16-2	XML16-2	1.0000	1.375	1.000	4.125	2.750	1.875	2.125	1-12	17	76,200	2.13

SELF-LUBRICATING

PART NUMBER — DIMENSIONS IN INCHES

XF Female



Right Hand	Left Hand	B +.0015 -.0005	W ±.005	T ±.005	A ±.015	D ±.010	E ±.010	F ±.010	Ball Dia. Ref.	C +.062 -.031	Thread UNF-2B	Misalign. Angle a°	Ult. Radial Static Load Lbs.	Approx. Brg. Wgt. Lbs.
XFR3	XFL3	0.1900	0.312	0.250	1.062	0.625	0.406	0.312	0.437	0.562	10-32	13	3,733	0.04
XFR4	XFL4	0.2500	0.375	0.281	1.312	0.750	0.469	0.375	0.500	0.750	1/4-28	16	6,190	0.06
XFR5	XFL5	0.3125	0.437	0.344	1.375	0.875	0.500	0.437	0.625	0.750	5/16-24	14	7,639	0.09
XFR6	XFL6	0.3750	0.500	0.406	1.625	1.000	0.687	0.562	0.719	0.937	3/8-24	12	9,544	0.14
XFR7	XFL7	0.4375	0.562	0.437	1.812	1.125	0.750	0.625	0.812	1.062	7/16-20	14	10,285	0.19
XFR8	XFL8	0.5000	0.625	0.500	2.125	1.312	0.875	0.750	0.937	1.187	1/2-20	12	15,336	0.31
XFR10	XFL10	0.6250	0.750	0.562	2.500	1.500	1.000	0.875	1.125	1.500	5/8-18	16	17,955	0.45
XFR12	XFL12	0.7500	0.875	0.687	2.875	1.750	1.125	1.000	1.312	1.750	3/4-16	14	28,081	0.69
XFR16	XFL16	1.0000	1.375	1.000	4.125	2.750	1.625	1.500	1.875	2.125	1 1/4-12	17	76,200	2.11
XFR16-1	XFL16-1	1.0000	1.375	1.000	4.125	2.750	1.625	1.500	1.875	2.125	1-14*	17	76,200	2.58
XFR16-2	XFL16-2	1.0000	1.375	1.000	4.125	2.750	1.625	1.500	1.875	2.125	1-12	17	76,200	2.58

SELF-LUBRICATING

This design results in metal-to-metal support for heavy shock loads, and smooth operation for low loads. X Series rod ends are appropriate and provide the best performance for most applications. This series is moderately priced.

Studded configurations available. See page 48 for details.

*Threads are 1-14 UNS.

MXM & MXF Alloy Steel

Self-Lubricating Race - Right & Left Hand Threads - Male & Female

U L T I M A T E

MXM & MXF Features

BALL
- 52100 Bearing Steel
- Heat Treated
- Hard Chrome Plated
- Precision Ground

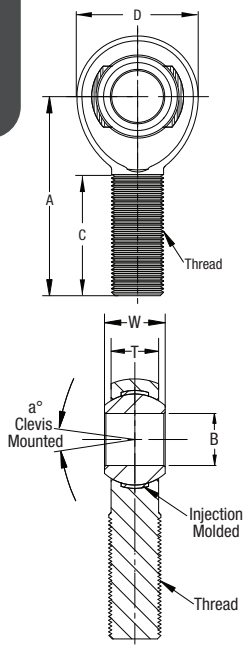
RACE
- Reinforced Nylon 12 with PTFE Liner

BODY
- Alloy Steel
- Heat Treated
- Protective Coated for Corrosion Resistance

EXCLUSIVE FEATURES
- Metal-to-Metal Support for Heavy Shock Loads
- Increased Cross-Sectional Thickness for Greater Tensile Strength

MXM Male

PART NUMBER — DIMENSIONS IN MILLIMETERS

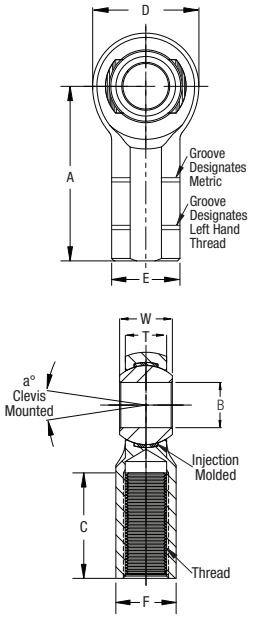


Right Hand	Left Hand	B +.065 -.012	W +.000 -.13	T ±.12	A ±.4	D ±.38	Ball Dia. Ref.	C +1.5 -.75	Thread 6g	Misalign. Angle a°	Ult. Radial Static Load (Newtons)	Approx. Brg. Wgt. (Grams)
MXMR6	**MXML6**	6	9	7.00	36	19.00	12.70	22	M6X1.0	13	18,186	19
MXMR8	**MXML8**	8	12	8.75	42	22.25	15.88	25	M8X1.25	18	33,114	33
MXMR10	**MXML10**	10	14	10.50	48	27.00	19.05	29	M10X1.5	17	52,476	57
MXMR12	**MXML12**	12	16	12.00	54	30.00	22.23	33	M12X1.75	17	68,147	82
MXMR14	**MXML14**	14	19	13.50	60	34.75	25.40	36	M14X2.0	21	90,386	125
MXMR16	**MXML16**	16	21	14.25	66	38.00	28.58	40	M16X2.0	23	97,714	168

SELF-LUBRICATING

MXF Female

PART NUMBER — DIMENSIONS IN MILLIMETERS



Right Hand	Left Hand	B +.065 -.012	W +.000 -.13	T ±.12	A ±.4	D ±.38	E ±.25	F ±.25	Ball Dia. Ref.	C +1.5 -.75	Thread 6H	Misalign. Angle a°	Ult. Radial Static Load (Newtons)	Approx. Brg. Wgt. (Grams)
MXFR6	**MXFL6**	6	9	7.00	30	19.00	13	11	12.70	14	M6X1.0	13	34,399	29
MXFR8	**MXFL8**	8	12	8.75	36	22.25	16	14	15.88	17	M8X1.25	18	41,710	51
MXFR10	**MXFL10**	10	14	10.50	43	27.00	19	17	19.05	21	M10X1.5	17	63,442	86
MXFR12	**MFL12**	12	16	12.00	50	30.00	22	19	22.23	24	M12X1.75	17	68,147	124
MXFR14	**MXFL14**	14	19	13.50	57	34.75	25	22	25.40	27	M14X2.0	21	90,386	184
MXFR16	**MXFL16**	16	21	14.25	64	38.00	27	22	28.58	33	M16X2.0	23	97,714	223

SELF-LUBRICATING

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