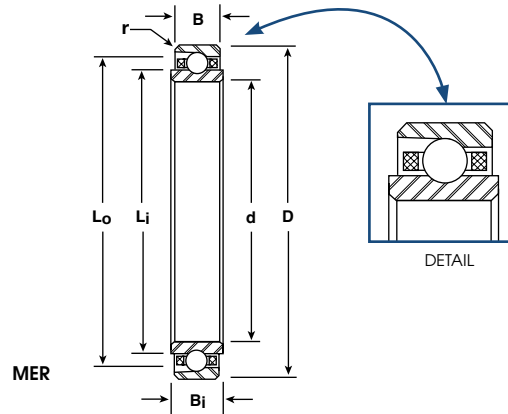




Inch Series

Torque Tube - Angular Contact

Bore Sizes .6250-3.0625 inches



BASIC P/N	BORE d		O.D. D		WIDTH B				LAND DIAMETER (REFERENCE)		FILLET RADIUS r	BALL COMPLEMENT		LOAD RATINGS (LBS)		
	INCH	mm	INCH	mm	INNER Bi		OUTER B		Li	Lo		NO.	SIZE INCH	RADIAL CAPACITY		THRUST CAPACITY STATIC
					INCH	mm	INCH	mm			DYN. C			STATIC Co		
MERI-538	.6250	15.875	1.0625	26.988	.2812	7.142	.2500	6.350	.773	.933	.015	16	1/8	793	506	362
MERI-539	.7500	19.050	1.1875	30.162	.2812	7.142	.2500	6.350	.894	1.054	.015	18	1/8	845	587	408
MERI-540	.8750	22.225	1.3125	33.338	.2812	7.142	.2500	6.350	1.019	1.179	.015	20	1/8	894	668	455
MERI-541	1.0625	26.988	1.5000	38.100	.2812	7.142	.2500	6.350	1.210	1.370	.015	24	1/8	988	822	549
MERI-542	1.3125	33.338	1.7500	44.450	.2812	7.142	.2500	6.350	1.460	1.620	.015	28	1/8	1047	983	640
MERI-543	1.5625	39.688	2.0000	50.800	.2812	7.142	.2500	6.350	1.706	1.866	.015	34	1/8	1147	1215	779
MERI-544	1.8125	46.038	2.2500	57.150	.2812	7.142	.2500	6.350	1.960	2.120	.015	38	1/8	1196	1375	872
MERI-545	2.0625	52.388	2.6250	66.675	.2812	7.142	.2500	6.350	2.263	2.423	.015	44	1/8	1272	1612	1011
MERI-546	2.3125	58.738	2.8750	73.025	.2812	7.142	.2500	6.350	2.513	2.674	.015	48	1/8	1314	1772	1117
MERI-547	2.5625	65.088	3.2500	82.550	.3750	9.525	.3120	7.925	2.793	3.019	.015	36	3/16	2428	2926	2462
MERI-548	2.8125	71.438	3.5000	88.900	.3750	9.525	.3120	7.925	3.043	3.269	.015	39	3/16	2508	3194	2533
MERI-549	3.0625	77.788	3.8750	98.425	.3750	9.525	.3120	7.925	3.356	3.582	.015	42	3/16	2573	3467	2666

Notes:

- Torque tube angular contact ball bearings are typically manufactured from 440C stainless steel.
- Load ratings shown are for 52100 chrome steel.
- Part numbers listed are with outer ring relieved configuration. Other design options are available.
- The standard retainer is a one-piece phenolic. Please check with NHBB for availability of other retainer options.
- Standard tolerances are ABEC 5T per ABMA Standard 12. ABEC 7T tolerances are also available.
- Fillet Radius (r) is the maximum shaft or housing fillet radius that bearing corners will clear.