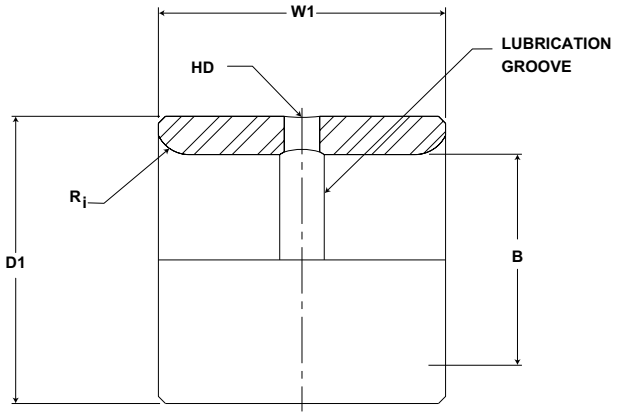
McGill Machined Inner Ring

Precision ground inner ring provides a hardened raceway for the rollers when used with an unhardened shaft. The ring contains an oil hole and annular groove for relubrication of the bearing and can be used with both CAGEROL and GUIDEROL bearings or can be utilized as a bushing in plain bearing applications.

Basic Construction Type: Thru Hardened Precision Ground Rings

Ring Material: Bearing Quality Steel



MI Series

Part No.	Military No.	B		D1		W1	Ri	Recommended Shaft Diameter with Inner Ring			Inner Weight
		Bore Diameter		Outside Diameter		Width	Inner Ring Corner				
		inch mm		inch mm		inch mm		inch mm			lb kg
Inner Ring		Nom	Tol.	Nom	Tol.	Tol +0/-.005 (+0/.13)	(Ref)	Rotating	Stationary	Tol.	
MI 6 N	MS 51962-1	.3750 9.5	+0/-.0004 +0/-.010	.6245 15.9	+0/-.0004 +0/-.010	.760 19.3	.25 6	.3755 9.5	.3747 9.5	+0/-.0005 +0/-.013	.05 .02
MI 6						1.010 25.7	.25 6	.3755 9.5	.3747 9.5	+0/-.0005 +0/-.013	.05 .02
MI 7 N		.4375 11.1	+0/-.0004 +0/-.010	.6245 15.9	+0/-.0004 +0/-.010	.760 19.3	.25 6	.4380 11.1	.4372 11.1	+0/-.0005 +0/-.013	.04 .02
MI 8 N	MS 51962-2	.5000 12.7	+0/-.0004 +0/-.010	.7493 19.0	+0/-.0005 +0/-.013	.760 19.3	.40 10	.5005 12.7	.4997 12.7	+0/-.0005 +0/-.013	.04 .02
MI 8	MS 51962-3					1.010 25.7	.40 10	.5005 12.7	.4997 12.7	+0/-.0005 +0/-.013	.06 .03
MI 9 N		.5625 14.3	+0/-.0004 +0/-.010	.7493 19.0	+0/-.0005 +0/-.013	.760 19.3	.40 10	.5630 14.3	.5622 14.3	+0/-.0005 +0/-.013	.04 .02
MI 10		.6250 15.9	+0/-.0004 +0/-.010	.8743 22.2	+0/-.0005 +0/-.013	1.010 25.7	.40 10	.6255 15.9	.6247 15.9	+0/-.0005 +0/-.013	.08 .04
MI 10 N	MS 51962-4					.760 19.3	.40 10	.6255 15.9	.6247 15.9	+0/-.0005 +0/-.013	.06 .03
MI 11 N		.6875 17.5	+0/-.0004 +0/-.010	.8743 22.2	+0/-.0005 +0/-.013	.760 19.3	.40 10	.6880 17.5	.6872 17.5	+0/-.0005 +0/-.013	.05 .02
MI 12 N	MS 51962-5	.7500 19.1	+0/-.0004 +0/-.010	.9993 25.4	+0/-.0005 +0/-.013	.760 19.3	.40 10	.7505 19.1	.7497 19.0	+0/-.0005 +0/-.013	.07 .03
MI 12						1.010 25.7	.40 10	.7505 19.1	.7497 19.0	+0/-.0005 +0/-.013	.10 .05
MI 13 N	MS 51962-6	.8125 20.6	+0/-.0005 +0/-.013	.9993 25.4	+0/-.0005 +0/-.013	.760 19.3	.40 10	.8129 20.7	.8121 20.6	+0/-.0005 +0/-.013	.07 .03
MI 13	MS 51962-7					1.010 25.7	.40 10	.8130 20.7	.8122 20.6	+0/-.0005 +0/-.013	.11 .05
MI 14 N	MS 51962-8	.8750 22.2	+0/-.0005 +0/-.013	1.124 28.6	+0/-.0005 +0/-.013	1.010 25.7	.40 10	.8754 22.2	.8746 22.2	+0/-.0005 +0/-.013	.11 .05
MI 14						1.260 32.0	.40 10	.8755 22.2	.8747 22.2	+0/-.0005 +0/-.013	.13 .06
MI 14 N	MS 51962-8	.8750 22.2	+0/-.0005 +0/-.013	1.124 28.6	+0/-.0005 +0/-.013	1.010 25.7	.40 10	.9379 23.8	.9371 23.8	+0/-.0005 +0/-.013	.11 .05
MI 15						1.260 32.0	.40 10	.9380 23.8	.9372 23.8	+0/-.0005 +0/-.013	.12 .05

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.