



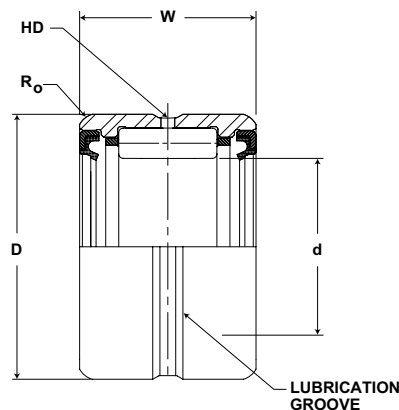
Basic Construction Type: Machined Race With Optional Separable Inner Ring

Rolling Elements: Cage Guided Precision Needles

Bearing Material: Bearing Quality Steel

Seal Type: Rubber Lip

Lubrication: Sealed Bearings: Lithium Soap Grease NLGI #1
Unsealed Bearings: Rust Preventative



MR SERIES (continued)

Part No.		d		D		W	Housing Bore Diameter			HD	Ro	Limiting Speed (In Oil)*	Basic Dynamic Rating	Basic Static Rating	Outer & Roller Assembly Weight
McGill Outer Ring & Roller Assembly	Military No.	Shaft Diameter		Outside Diameter		Width	inch mm			Radial Lub. Hole Diameter	Max Hsg Radius to Clear	RPM	lb/N	lb/N	lb kg
		inch	mm	inch	mm	inch	mm			inch	mm				
		Nom	Tol.	Nom	Tol.	Tol +0/-0.005 (+0/-0.13)	Rotating	Stationary	Tol.	(Ref)	(Ref)				
MR 68 SS, S, RS, SRS, RSS		4.2500 +0/-0.0007		5.2500 +0/-0.0010		2.000	5.2499 133	5.2511 133	+0/-0.0015 +0/-0.038	.19 5	0.10 3	900	34,000 151,232	86,200 383,418	3.74 1.69
MR 68	MS 51961-46	108.0 +0/-0.018		133.4 +0/-0.025		50.80	5.2499 133	5.2511 133	+0/-0.0015 +0/-0.038	.19 5	0.10 3	2820	39,500 175,696	101,000 449,248	3.74 1.69
MR 72	MS 51961-48	4.5000 +0/-0.0007		6.0000 +0/-0.0010		2.250	5.9999 152	6.0011 152	+0/-0.0015 +0/-0.038	.19 5	0.10 3	2660	60,300 268,214	130,000 578,240	7.13 3.23
MR 80		5.0000 +0/-0.0007		6.5000 +0/-0.0010		2.250	6.4999 165	6.5011 165	+0/-0.0015 +0/-0.038	.19 5	0.10 3	800	64,600 287,341	148,000 658,304	7.78 3.53
MR 88 N	MS 51961-52	5.5000 +0/-0.0007		7.0000 +0/-0.0010		2.500	6.9999 178	7.0011 178	+0/-0.0015 +0/-0.038	.25 6	0.10 3	2180	70,200 312,250	169,800 755,270	10.40 4.72
MR 88	MS 51961-53	139.8 +0/-0.018		177.9 +0/-0.025		3.000	6.9999 178	7.0011 178	+0/-0.0015 +0/-0.038	.25 6	0.10 3	2180	85,700 381,194	222,000 987,456	11.82 5.36
MR 96 N	MS 51961-55	6.0000 +0/-0.0010		7.5000 +0/-0.0012		2.500	7.4998 190	7.5011 190	+0/-0.0015 +0/-0.038	.25 6	0.12 3	2000	71,000 315,808	177,000 787,296	11.08 5.02
MR 96	MS 51961-56	152.5 +0/-0.025		190.6 +0/-0.030		3.000	7.4998 190	7.5011 190	+0/-0.0015 +0/-0.038	.25 6	0.12 3	2000	86,600 385,197	228,000 1,014,144	12.69 5.76
MR 104 N	MS 51961-57	6.5000 +0/-0.0010		8.0000 +0/-0.0012		2.500	7.9998 203	8.0011 203	+0/-0.0015 +0/-0.038	.25 6	0.12 3	1850	71,700 318,922	183,000 813,984	11.85 5.37
MR 104	MS 51961-58	165.2 +0/-0.025		203.3 +0/-0.030		3.000	7.9998 203	8.0011 203	+0/-0.0015 +0/-0.038	.25 6	0.12 3	1850	87,500 389,200	237,000 1,054,176	13.55 6.15
MR 116	MS 51961-59	7.2500 +0/-0.0010		9.1250 +0/-0.0012		3.000	9.1248 231	9.1261 231	+0/-0.0015 +0/-0.038	.25 6	0.12 3	1680	95,200 423,450	234,000 1,040,832	19.32 8.76
MR 124		7.7500 +0/-0.0010		9.6250 +0/-0.0012		3.000	9.6250 244	9.6265 244	+0/-0.0020 +0/-0.051	.25 6	0.12 3	1530	99,100 440,797	252,000 1,120,896	19.80 8.97
MR 132		8.2500 +0/-0.0010		10.1250 +0/-0.0012		3.000	10.1250 257	10.1265 257	+0/-0.0020 +0/-0.051	.25 6	0.12 3	1460	103,000 458,144	270,000 1,200,960	21.63 9.81
MR 140		8.7500 +0/-0.0010		10.6250 +0/-0.0014		3.000	10.6250 269	10.6265 270	+0/-0.0020 +0/-0.051	.25 6	0.16 4	1370	104,000 462,592	280,000 1,245,440	22.73 10.31
MR 148		9.2500 +0/-0.0010		11.1250 +0/-0.0014		3.000	11.1250 282	11.1265 282	+0/-0.0020 +0/-0.051	.25 6	0.16 4	1300	108,000 480,384	292,000 1,298,816	24.90 10.88

For sealed bearings, Outside diameter may be slightly oversize due to seal press fit.

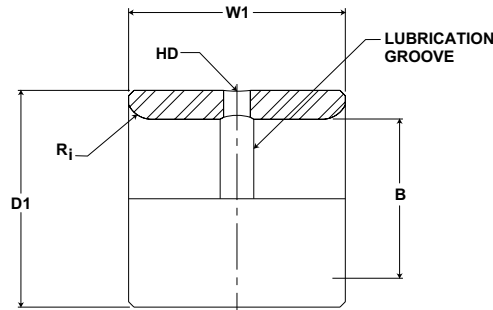
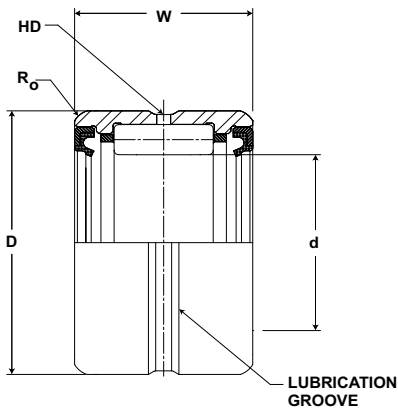
For DS matching as DS suffix to part number

* For bearing properly filled with #1 grease reduce speed by 50%

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.



MR SERIES (continued)

Part No.		Military No.	B		D1		W1	HD	Ri	Recommended Shaft Diameter with inner ring			Inner Weight
McGill Outer Ring & Roller Assembly	Separable Inner Ring Only		Bore Diameter		Outside Diameter		Width	Radial Lub. Hole Diameter	Max Shaft Radius to Clear				
			inch mm		inch mm		inch mm			inch mm			lb kg
			Nom	Tol.	Nom	Tol.	Tol +0/-0.005 (+0/-0.13)	(Ref)	(Ref)	Rotating	Stationary	Tol.	
MR 68 SS, S, RS, SRS, RSS	MI 58		3.6250 92.111	+0/-0.0008 +0/-0.020	4.2485 107.954	+0/-0.0009 +0/-0.023	2.010 51.07	.25 6.4	0.10 3	3.6260 92.137	3.6246 92.101	+0/-0.0010 +0/-0.025	1.70 .77
MR 68	MI 60	MS 500072-40	3.7500 95.288	+0/-0.0008 +0/-0.020	4.2485 107.954	+0/-0.0009 +0/-0.023	2.010 51.07	0.25 6	0.10 3	3.7510 95.313	3.7496 95.277	+0/-0.0010 +0/-0.025	1.75 .79
MR 72	MI 62		3.8750 98.464	+0/-0.0008 +0/-0.020	4.4985 114.307	+0/-0.0009 +0/-0.023	2.260 57.43	.25 6.4	.10 2.5	3.8760 98.489	3.8746 98.454	+0/-0.0010 +0/-0.025	3.25 1.47
MR 80	MI 64		4.0000 101.640	+0/-0.0008 +0/-0.020	4.9985 127.012	+0/-0.0010 +0/-0.025	2.260 57.43	.25 6.4	0.10 3	4.0010 101.665	3.9996 101.630	+0/-0.0010 +0/-0.025	4.38 1.99
	MI 68		4.2500 107.993	+0/-0.0008 +0/-0.020	4.9985 127.012	+0/-0.0010 +0/-0.025	2.260 57.43	0.25 6	0.10 3	4.2510 108.018	4.2496 107.982	+0/-0.0010 +0/-0.025	5.24 2.37
MR 88 N	MI 72 N	MS 500072-43	4.5000 114.345	+0/-0.0008 +0/-0.020	5.4985 139.717	+0/-0.0010 +0/-0.025	2.515 63.91	.25 6.4	0.10 3	4.5010 114.370	4.4996 114.332	+0/-0.0010 +0/-0.025	5.43 2.47
MR 88	MI 72	MS 500072-44	4.5000 114.345	+0/-0.0008 +0/-0.020	5.4985 139.717	+0/-0.0010 +0/-0.025	3.015 76.61	0.25 6	0.10 3	4.5010 114.370	4.4995 114.332	+0/-0.0010 +0/-0.025	5.97 2.71
MR 96 N	MI 80 N	MS 500072-46	5.0000 127.050	+0/-0.0010 +0/-0.025	5.9983 152.417	+0/-0.0010 +0/-0.025	2.515 63.91	.31 7.9	0.12 3	5.0010 127.075	4.9995 127.037	+0/-0.0010 +0/-0.025	5.97 2.71
MR 96	MI 80	MS 500072-47	5.0000 127.050	+0/-0.0010 +0/-0.025	5.9983 152.417	+0/-0.0010 +0/-0.025	3.015 76.61	0.31 8	0.12 3	5.0010 127.075	4.9995 127.037	+0/-0.0010 +0/-0.025	7.12 3.23
MR 104 N	MI 88 N	MS 500072-48	5.5000 139.755	+0/-0.0010 +0/-0.025	6.4983 165.122	+0/-0.0010 +0/-0.025	2.515 63.91	.31 7.9	0.12 3	5.5010 139.780	5.4995 139.742	+0/-0.0010 +0/-0.025	6.30 2.88
MR 104	MI 88	MS 500072-49	5.5000 139.755	+0/-0.0010 +0/-0.025	6.4983 165.122	+0/-0.0010 +0/-0.025	3.015 76.61	0.31 8	0.12 3	5.5010 139.780	5.4995 139.742	+0/-0.0010 +0/-0.025	7.56 3.43
MR 116	MI 96	MS 500072-50	6.0000 152.460	+0/-0.0010 +0/-0.025	7.2481 184.174	+0/-0.0012 +0/-0.030	3.015 76.61	.31 7.9	.12 3.0	6.0012 152.490	5.9995 152.447	+0/-0.0012 +0/-0.030	11.06 5.03
MR 124	MI 104		6.5000 165.165	+0/-0.0010 +0/-0.025	7.7481 196.879	+0/-0.0012 +0/-0.030	3.015 76.61	.31 7.9	.12 3.0	6.5012 165.195	6.4995 165.152	+0/-0.0012 +0/-0.030	11.99 5.39
MR 132	MI 112		7.0000 177.870	+0/-0.0010 +0/-0.025	8.2481 209.584	+0/-0.0012 +0/-0.030	3.015 76.61	.31 7.9	.12 3.0	7.0012 177.900	6.9995 177.857	+0/-0.0012 +0/-0.030	12.70 5.77
MR 140	MI 120		7.5000 190.575	+0/-0.0012 +0/-0.030	8.7480 222.287	+0/-0.0012 +0/-0.030	3.015 76.61	.31 7.9	.16 4.1	7.5012 190.605	7.4995 190.562	+0/-0.0012 +0/-0.030	13.60 6.17
MR 148	MI 128		8.0000 203.280	+0/-0.0012 +0/-0.030	9.2480 234.992	+0/-0.0012 +0/-0.030	3.015 76.61	.31 7.9	.16 4.1	8.0012 203.310	7.9995 203.267	+0/-0.0012 +0/-0.030	14.40 6.55