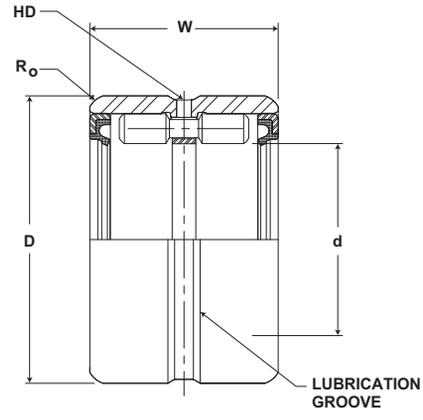


MCGILL® GUIDEROL® Bearings

Needle/Journal Bearings



- Basic Construction Type:** Machined Race with full Complement of Needles
- Rolling Elements:** Center Guided Precision Needles
- Bearing Material:** Bearing Quality Steel
- Seal Type:** Rubber Lip
- Lubrication:** Sealed Bearings: Lithium Soap Grease NLGI #1
Unsealed Bearings: Rust Preventative

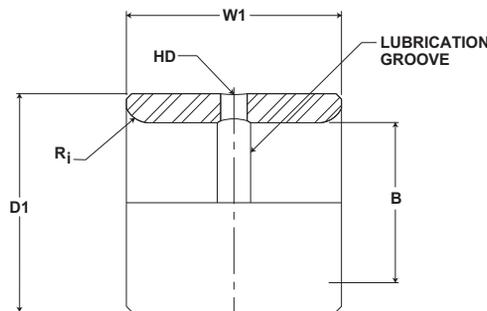
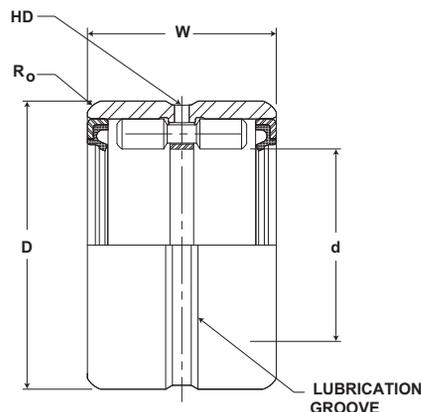


GR SERIES (continued)

Part No.	d		D		W	Housing Bore Diameter			HD	Ro	Limiting Speed (In Oil)*	Basic Dynamic Rating	Basic Static Rating	Outer & Roller Assembly Weight
	Shaft Diameter		Outside Diameter		Width				Radial Lub. Hole Diameter	Max Hsg Radius to Clear				
	inch mm		inch mm		inch mm	inch mm			inch mm					
	Nom	Tol.	Nom	Tol.	+Tol +0/-0.005 (+0/-0.13)	Rotating	Stationary	Tol.	(Ref)	(Ref)				
GR 36 N					1.500 38.10	2.9996 76.220	3.0007 76.248	+0/-0.0007 +0/-0.018	.13 3	0.08 2	2,700	15,250 67,832	49,100 218,397	1.13 .51
GR 36 SS, S, RS, SRS, RSS	2.2500 57.2	+0/-0.0005 +0/-0.13	3.0000 76.2	+0/-0.0006 +0/-0.15	1.750 44.45	2.9996 76.220	3.0007 76.248	+0/-0.0007 +0/-0.018	.13 3	0.08 2	1,700	15,250 67,832	49,100 218,397	1.32 .59
GR 36					1.750 44.45	2.9996 76.220	3.0007 76.248	+0/-0.0007 +0/-0.018	.13 3	0.08 2	2,700	18,450 82,066	60,200 267,770	1.32 .59
GR 40 N					1.500 38.10	3.2496 82.572	3.2507 82.600	+0/-0.0007 +0/-0.018	.13 3	0.08 2	2,400	16,200 72,058	54,500 242,416	1.23 .56
GR 40 SS, S, RS, SRS, RSS	2.5000 63.5	+0/-0.0005 +0/-0.13	3.2500 82.6	+0/-0.0008 +0/-0.20	1.750 44.45	3.2496 82.572	3.2507 82.600	+0/-0.0007 +0/-0.018	.13 3	0.08 2	1,530	16,200 72,058	54,500 242,416	1.44 .65
GR 40					1.750 44.45	3.2496 82.572	3.2507 82.600	+0/-0.0007 +0/-0.018	.13 3	0.08 2	2,400	19,800 88,070	66,800 297,126	1.44 .65
GR 44 N					1.500 38.10	3.4995 88.922	3.5008 88.955	+0/-0.0010 +0/-0.025	.13 3	0.08 2	2,200	16,800 74,726	59,900 266,435	1.36 .62
GR 44 SS, S, RS, SRS, RSS	2.7500 69.9	+0/-0.0005 +0/-0.13	3.5000 88.9	+0/-0.0008 +0/-0.20	1.750 44.45	3.4995 88.922	3.5008 88.955	+0/-0.0010 +0/-0.025	.13 3	0.08 2	1,390	16,800 74,726	59,900 266,435	1.59 .72
GR 44					1.750 44.45	3.4995 88.922	3.5008 88.955	+0/-0.0010 +0/-0.025	.13 3	0.08 2	2,200	20,350 90,517	73,400 326,483	1.59 .72
GR 48 N					1.500 38.10	3.7495 95.275	3.7508 95.308	+0/-0.0010 +0/-0.025	.13 3	0.08 2	2,000	20,500 91,184	65,400 290,899	1.53 .69
GR 48 SS, S, RS, SRS, RSS	3.0000 76.2	+0/-0.0005 +0/-0.13	3.7500 95.3	+0/-0.0008 +0/-0.20	1.750 44.45	3.7495 95.275	3.7508 95.308	+0/-0.0010 +0/-0.025	.13 3	0.08 2	1,270	20,500 91,184	65,400 290,899	1.70 .77
GR 48					1.750 44.45	3.7495 95.275	3.7508 95.308	+0/-0.0010 +0/-0.025	.13 3	0.08 2	2,000	20,600 91,629	80,200 356,730	1.70 .77
GR 52 SS, S, RS, SRS, RSS	3.2500 82.6	+0/-0.0005 +0/-0.13	4.2500 108.0	+0/-0.0008 +0/-0.20	1.750 44.45	4.2495 107.980	4.2508 108.013	+0/-0.0010 +0/-0.025	.19 5	0.08 2	1,175	25,100 111,645	63,800 283,782	2.64 1.19
GR 52					1.750 44.45	4.2495 107.980	4.2508 108.013	+0/-0.0010 +0/-0.025	.19 5	0.08 2	1,850	23,950 106,530	80,100 356,285	2.64 1.19
GR 56 N					1.750 44.45	3.2496 82.572	3.2507 82.600	+0/-0.0010 +0/-0.025	.19 5	0.08 2	1,700	25,100 111,645	86,500 384,752	2.88 1.31
GR 56 SS, S, RS, SRS, RSS	3.5000 88.9	+0/-0.0005 +0/-0.13	4.5000 114.3	+0/-0.0008 +0/-0.20	2.000 50.80	3.4995 88.922	3.5008 88.955	+0/-0.0010 +0/-0.025	.19 5	0.08 2	1,090	25,100 111,645	86,500 384,752	3.18 1.44
GR 56					2.000 50.80	3.4995 88.922	3.5008 88.955	+0/-0.0010 +0/-0.025	.19 5	0.08 2	1,700	28,900 128,547	104,000 462,592	3.18 1.44
GR 60 SS, S, RS, SRS, RSS	3.7500 95.3	+0/-0.0005 +0/-0.13	4.7500 120.7	+0/-0.0008 +0/-0.20	2.000 50.80	4.7495 120.685	4.7508 120.718	+0/-0.0010 +0/-0.025	.19 5	0.10 3	1,020	25,450 113,202	92,300 410,550	3.38 1.53
GR 60					2.000 50.80	4.7495 120.685	4.7508 120.718	+0/-0.0010 +0/-0.025	.19 5	0.10 3	1,600	29,300 130,326	111,000 493,728	3.38 1.53

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.



GR SERIES (continued)

Part No.		B		D1		W1	HD	Ri	Recommended Shaft Diameter with inner ring			Inner Weight
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/.13)	(Ref)	(Ref)	Rotating	Stationary	Tol.	
GR 36 N	MI 28 N	1.7500	+0/-0.0005	2.2489	+0/-0.0007	1.510	0.19	0.06	1.7505	1.7496	+0/-0.0005	.63
		44.468	+0/-0.013	57.145	+0/-0.018	38.37	5	2	44.5	44.5	+0/-0.013	.29
GR 36 SS, S, RS, SRS, RSS	MI 28	1.7500	+0/-0.0005	2.2489	+0/-0.0007	1.760	0.19	0.06	1.7505	1.7497	+0/-0.0005	.74
		44.468	+0/-0.013	57.1	+0/-0.018	44.72	5	2	44.5	44.5	+0/-0.013	.34
GR 36	MI 30	1.8750	+0/-0.0005	2.2489	+0/-0.0007	1.760	0.19	0.06	1.8755	1.8746	+0/-0.0005	.85
		47.644	+0/-0.013	57.1	+0/-0.018	44.72	5	2	47.7	47.6	+0/-0.013	.39
GR 40 N	MI 32 N	2.0000	+0/-0.0005	2.2489	+0/-0.0007	1.510	0.19	0.08	2.0005	1.9996	+0/-0.0005	.74
		50.820	+0/-0.013	57.145	+0/-0.018	38.37	5	2	50.8	50.8	+0/-0.013	.34
GR 40 SS, S, RS, SRS, RSS	MI 31	1.9375	+0/-0.0005	2.2489	+0/-0.0007	1.510	0.19	0.08	1.9380	1.9371	+0/-0.0005	.97
		49.232	+0/-0.013	57.1	+0/-0.018	38.4	5	2	49.2	49.2	+0/-0.013	.44
GR 40	MI 32	2.0000	+0/-0.0005	2.2489	+0/-0.0007	1.760	0.19	0.08	2.0005	1.9996	+0/-0.0005	.87
		50.820	+0/-0.013	57.1	+0/-0.018	44.72	5	2	50.8	50.8	+0/-0.013	.39
	MI 34	2.1250	+0/-0.0006	2.2489	+0/-0.0007	1.760	0.19	0.08	2.1258	2.1247	+0/-0.0008	1.00
		53.996	+0/-0.015	57.1	+0/-0.018	44.7	5	2	54.0	54.0	+0/-0.020	.45
GR 44 N	MI 36 N	2.2500	+0/-0.0006	2.7489	+0/-0.0007	1.510	0.19	0.08	2.2508	2.2497	+0/-0.0008	.83
		57.173	+0/-0.015	69.850	+0/-0.018	38.37	5	2	57.2	57.2	+0/-0.020	.36
GR 44 SS, S, RS, SRS, RSS	MI 35	2.1875	+0/-0.0006	2.7489	+0/-0.0007	1.510	0.19	0.08	2.1883	2.1872	+0/-0.0008	1.06
		55.584	+0/-0.015	69.8	+0/-0.018	38.4	5	2	55.6	55.6	+0/-0.020	.48
GR 44	MI 36	2.2500	+0/-0.0006	2.7489	+0/-0.0007	1.760	0.19	0.08	2.2508	2.2497	+0/-0.0008	.97
		57.173	+0/-0.015	69.8	+0/-0.018	44.72	5	2	57.2	57.2	+0/-0.020	.44
GR 48 N	MI 40 N	2.5000	+0/-0.0006	2.9989	+0/-0.0007	1.510	0.19	0.08	2.5008	2.4997	+0/-0.0008	.92
		63.525	+0/-0.015	76.202	+0/-0.018	38.37	5	2	63.5	63.5	+0/-0.020	.43
GR 48 SS, S, RS, SRS, RSS	MI 38	2.3750	+0/-0.0006	2.9989	+0/-0.0007	1.760	0.19	0.08	2.3758	2.3747	+0/-0.0008	1.28
		60.349	+0/-0.015	76.2	+0/-0.018	44.72	5	2	60.4	60.3	+0/-0.020	.58
GR 48	MI 39	2.4375	+0/-0.0006	2.9989	+0/-0.0007	1.510	0.19	0.08	2.4383	2.4372	+0/-0.0008	1.05
		61.937	+0/-0.015	76.2	+0/-0.018	38.37	5	2	62.0	61.9	+0/-0.020	.47
	MI 40	2.5000	+0/-0.0006	2.9989	+0/-0.0007	1.760	0.19	0.08	2.5008	2.4997	+0/-0.0008	1.07
		63.525	+0/-0.015	76.2	+0/-0.018	44.72	5	2	63.5	63.5	+0/-0.020	.48
GR 52 SS, S, RS, SRS, RSS	MI 42	2.6250	+0/-0.0006	3.2487	+0/-0.0009	1.760	0.19	0.08	2.6258	2.6247	+0/-0.0008	1.12
		66.701	+0/-0.015	82.549	+0/-0.023	44.72	5	2	66.7	66.7	+0/-0.020	.51
GR 52	MI 44	2.7500	+0/-0.0006	3.2487	+0/-0.0009	1.760	0.19	0.08	2.7508	2.7497	+0/-0.0008	1.17
		69.878	+0/-0.015	82.549	+0/-0.023	44.72	5	2	69.9	69.9	+0/-0.020	.53
GR 56 N	MI 48 N	3.0000	+0/-0.0006	3.4987	+0/-0.0009	1.760	0.25	0.08	3.0008	2.9997	+0/-0.0008	1.32
		76.230	+0/-0.015	88.902	+0/-0.023	44.72	6	2	76.3	76.2	+0/-0.020	.55
GR 56 SS, S, RS, SRS, RSS	MI 46	2.8750	+0/-0.0006	3.4987	+0/-0.0009	2.010	0.25	0.08	2.8758	2.8747	+0/-0.0008	1.30
		73.054	+0/-0.015	88.9	+0/-0.023	51.07	6	2	73.1	73.0	+0/-0.020	.59
GR 56	MI 47	2.9375	+0/-0.0006	3.4987	+0/-0.0009	2.010	0.25	0.08	2.9383	2.9372	+0/-0.0008	1.58
		74.642	+0/-0.015	88.9	+0/-0.023	51.07	6	2	74.7	74.6	+0/-0.020	.72
	MI 48	3.0000	+0/-0.0006	3.4987	+0/-0.0009	2.010	0.25	0.08	3.0008	2.9997	+0/-0.0008	1.43
		76.230	+0/-0.015	88.9	+0/-0.023	51.1	6	2	76.3	76.2	+0/-0.020	.65
GR 60 SS, S, RS, SRS, RSS	MI 50	3.1250	+0/-0.0006	3.7487	+0/-0.0009	2.010	0.25	0.10	3.1260	3.1246	+0/-0.0010	1.88
		79.406	+0/-0.015	95.254	+0/-0.023	51.07	6	3	79.4	79.4	+0/-0.025	.85
GR 60	MI 52	3.2500	+0/-0.0006	3.7487	+0/-0.0009	2.010	0.25	0.10	3.2510	3.2496	+0/-0.0010	1.52
		82.583	+0/-0.015	95.254	+0/-0.023	51.07	6	3	82.6	82.6	+0/-0.025	.69