

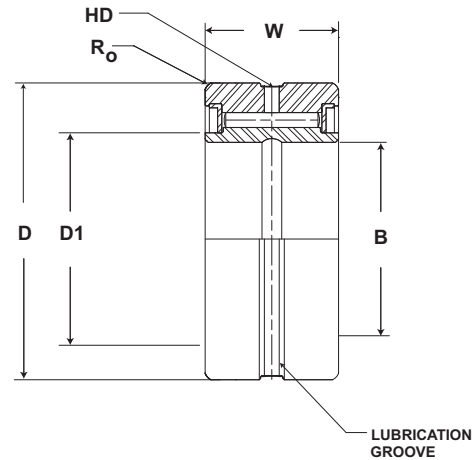
McGill MULTI-ROL Needle Bearings

Full complement needle bearing provides high radial load rating with good shaft support, angular rigidity, and is dimensionally equivalent to most plain bearings with bronze or babbitt bushing. Available in both single and two row designs with non separable inner race and metallic shields for pure radial load applications. The angular lube groove provides a circumferential path to direct lubricant to the oil hole.

Needle/Journal Bearings



- Basic Construction Type:** Full Complement Machined Race Needle Bearing and Non Separable Inner Ring
- Rolling Elements:** Single Row Precision Ground Needle
- Bearing Material:** Bearing Quality Steel
- Seal Type:** Metallic Shield



RS Series

Part No.	B		D		W	Housing Bore Diameter			HD	Ro	Limiting Speed (In Oil)*	Basic Dynamic Rating	Basic Static Rating	Weight
	Bore Diameter		Outside Diameter		Width				Radial Lub. Hole Diameter	Max Hsg Radius to Clear				
	inch mm		inch mm		inch mm	inch mm			inch mm		RPM	lb/N	lb/N	lb kg
	Nom	Tol.	Nom	Tol.	Tol +0/-.005 (+0/-.13)	Rotating	Stationary	Tol.	(Ref)	(Ref)				
RS 6	.7500 19.058	+0/-.0004 +0/-.010	1.5000 38.115	+0/-.0005 +0/-.013	.8750 22.234	1.5000 38.115	1.5005 38.128	.0007 0.018	.1250 3.176	.0313 0.794	5,000	3850 17,125	11500 51,152	.26 .12
RS 7	.8750 22.234	+0/-.0005 +0/-.013	1.6250 41.291	+0/-.0005 +0/-.013	1.0000 25.410	1.6250 41.291	1.6255 41.304	.0007 0.018	.1250 3.176	.0313 0.794	4,400	5560 24,731	15550 69,166	.34 .15
RS 8	1.0000 25.410	+0/-.0005 +0/-.013	1.8125 46.056	+0/-.0005 +0/-.013	1.0625 26.998	1.8125 46.056	1.8130 46.068	.0007 0.018	.1250 3.176	.0313 0.794	4,000	6170 27,444	18700 83,178	.42 .19
RS 9	1.1250 28.586	+0/-.0005 +0/-.013	1.9375 49.232	+0/-.0005 +0/-.013	1.0625 26.998	1.9375 49.232	1.9875 50.502	.0007 0.018	.1250 3.176	.0313 0.794	3,600	6500 28,912	20500 91,184	.46 .21
RS 10	1.2500 31.763	+0/-.0005 +0/-.013	2.0625 52.408	+0/-.0006 +0/-.015	1.0625 26.998	2.0625 52.408	2.0630 52.421	.0007 0.018	.1250 3.176	.0313 0.794	3,300	6830 30,380	22400 99,635	.49 .22
RS 12	1.5000 38.115	+0/-.0005 +0/-.013	2.5000 63.525	+0/-.0006 +0/-.015	1.1250 28.586	2.5000 63.525	2.5005 63.538	.0007 0.018	.1250 3.176	.0625 1.588	2,900	7740 34,428	27500 122,320	.83 .37
RS 14	1.7500 44.468	+0/-.0005 +0/-.013	2.7500 69.878	+0/-.0006 +0/-.015	1.1250 28.586	2.7500 69.878	2.7505 69.890	.0007 0.018	.1250 3.176	.0625 1.588	2,500	8330 37,052	31400 139,667	.93 .42
RS 16	2.0000 50.820	+0/-.0005 +0/-.013	3.2500 82.583	+0/-.0006 +0/-.015	1.1875 30.174	3.2499 82.580	3.2505 82.595	.0007 0.018	.1250 3.176	.0625 1.588	2,000	9820 43,679	42200 187,706	1.45 .66
RS 20	2.5000 63.525	+0/-.0006 +0/-.015	3.7500 95.288	+0/-.0008 +0/-.020	1.2500 31.763	3.7498 95.282	3.7507 95.305	.0010 0.025	.1875 4.764	.0938 2.382	1,700	11200 49,818	52900 235,299	1.79 .81
RS 22	2.7500 69.878	+0/-.0006 +0/-.015	4.0000 101.640	+0/-.0008 +0/-.020	1.2500 31.763	3.9998 101.635	4.0007 101.658	.0010 0.025	.1875 4.764	.0938 2.382	1,500	9920 44,124	46700 207,722	2.00 .91
RS 24	3.0000 76.230	+0/-.0006 +0/-.015	4.5000 114.345	+0/-.0008 +0/-.020	1.3750 34.939	4.4998 114.340	4.5007 114.363	.0010 0.025	.1875 4.764	.0938 2.382	1,400	14500 64,496	58100 258,429	2.88 1.31

* 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.

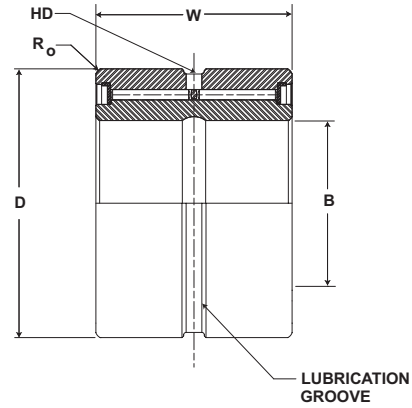


Basic Construction Type: Full Complement Machined Race Needle Bearing and Non Separable Inner Ring

Rolling Elements: Double Row Precision Ground Needle

Bearing Material: Bearing Quality Steel

Seal Type: Metallic Shield



RD Series

Part No.	B		D		W	Housing Bore Diameter			HD	Ro	Limiting Speed (In Oil)*	Basic Dynamic Rating	Basic Static Rating	Weight
	Bore Diameter		Outside Diameter		Width				Radial Lub. Hole Diameter	Max Hsg Radius to Clear				
	inch mm		inch mm		inch mm	inch mm			inch mm		RPM	lb/N	lb/N	lb kg
	Nom	Tol.	Nom	Tol.	Tol +0/-0.005 (+0/-0.13)	Rotating	Stationary	Tol.	(Ref)	(Ref)				
RD 10	1.2500 31.763	+0/-0.0005 +0/-0.013	2.0625 52.408	+0/-0.0006 +0/-0.015	2.2500 57.173	2.0625 52.408	2.0630 52.421	.0007 0.018	.1875 4.764	.0313 0.794	3,300	13600 60,493	54300 241,526	1.16 .53
RD 12	1.5000 38.115	+0/-0.0005 +0/-0.013	2.5000 63.525	+0/-0.0006 +0/-0.015	2.3750 60.349	2.5000 63.525	2.5005 63.538	.0007 0.018	.1875 4.764	.0625 1.588	2,900	15200 67,610	65700 292,234	1.83 .83
RD 14	1.7500 44.468	+0/-0.0005 +0/-0.013	2.7500 69.878	+0/-0.0006 +0/-0.015	2.3750 60.349	2.7500 69.878	2.7505 69.890	.0007 0.018	.1875 4.764	.0625 1.588	2,500	16400 72,947	75100 334,045	2.06 .93
RD 16	2.0000 50.820	+0/-0.0005 +0/-0.013	3.2500 82.583	+0/-0.0006 +0/-0.015	2.3750 60.349	3.2499 82.580	3.2505 82.595	.0007 0.018	.1875 4.764	.0625 1.588	2,000	18300 81,398	94000 418,112	3.09 1.40
RD 18	2.2500 57.173	+0/-0.0005 +0/-0.013	3.5000 88.935	+0/-0.0008 +0/-0.020	2.5000 63.525	3.4998 88.930	3.5007 88.953	.0010 0.025	.1875 4.764	.0625 1.588	1,800	19200 85,402	102600 456,365	3.57 1.62
RD 20	2.5000 63.525	+0/-0.0006 +0/-0.015	3.7500 95.288	+0/-0.0008 +0/-0.020	2.5000 63.525	3.7498 95.282	3.7507 95.305	.0010 0.025	.1875 4.764	.0938 2.382	1,700	20800 92,518	117000 520,416	3.8 1.72
RD 24	3.0000 76.230	+0/-0.0006 +0/-0.015	4.5000 114.345	+0/-0.0008 +0/-0.020	2.7500 69.878	4.4998 114.340	4.5007 114.363	.0010 0.025	.1875 4.764	.0938 2.382	1,400	29400 130,771	144500 642,736	6.14 2.78
RD 28	3.5000 88.935	+0/-0.0008 +0/-0.020	5.0000 127.050	+0/-0.0010 +0/-0.025	3.0000 76.230	5.0003 127.058	5.0011 127.078	.0015 0.038	.1875 4.764	.0938 2.382	1,250	34400 153,011	184900 822,435	7.54 3.42
RD 32	4.0000 101.640	+0/-0.0008 +0/-0.020	5.5000 139.755	+0/-0.0010 +0/-0.025	3.0000 76.230	5.5003 139.763	5.5011 139.783	.0015 0.038	.1875 4.764	.0938 2.382	1,100	34600 153,901	194600 865,581	8.29 3.76

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