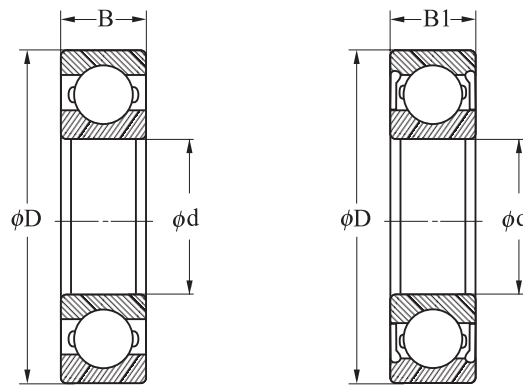
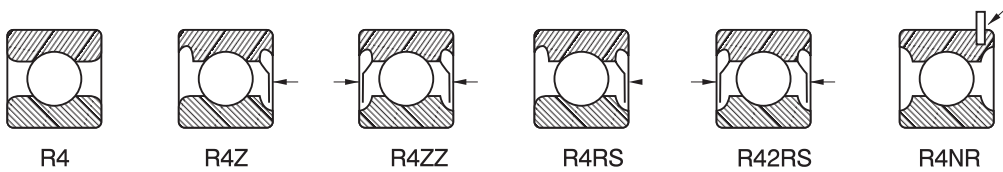
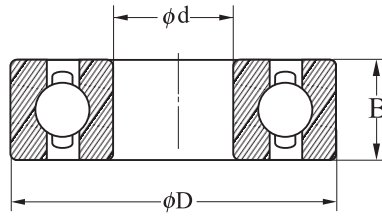


MINIATURE BALL BEARINGS



Principal dimensions mm (in)					Weight kg (lb)	Bearing Number		Basic Load Rating kN (lbf)		Limiting Speed (rpm)						
d	D	B	B1	r _{smin}		Open	W/Shields	Dynamic C _r	Static Cor	Grease	Oil					
3 0.1181	6	2.0	2.5	0.08	0.20	673	ZZ	242	94	60000	71000					
	0.2362	0.0787	0.0984	0.003				54450	21150							
	7	2.0	3.0	0.10				0.33	683			ZZ	390	130	58000	68000
	0.2755	0.1181	0.1181	0.003				87750	29250							
	8	3.0	4.0	0.15				0.61	693			ZZ	560	180	54000	63000
	0.3149	0.1181	0.1574	0.005				126000	40500							
9	3.0	5.0	0.15	0.92	603	ZZ	635	219	50000	59000						
0.3543	0.1181	0.1968	0.005	142880	49280											
10	4.0	4.0	0.15	1.60	623	ZZ	640	224	50000	58000						
0.3937	0.1574	0.1574	0.003	144000	50400											
4 0.1574	7	2.0	2.5	0.08	0.28	674	ZZ	269	117	54000	63000					
	0.2755	0.0787	0.0984	0.003				10020	26330							
	9	2.5	4.0	0.10				0.67	684			ZZ	640	224	49000	57000
	0.3543	0.0984	0.1574	0.003				144000	50400							
	11	4.0	4.0	0.15				1.80	694			ZZ	715	276	45000	52000
	0.4330	0.1574	0.1574	0.005				160880	62100							
	12	4.0	4.0	0.20				2.10	604			ZZ	970	360	43000	51000
	0.4724	0.1574	0.1574	0.007				218250	81000							
13	5.0	5.0	0.20	3.20	624	ZZ	1310	490	42000	49000						
0.5118	0.1968	0.1968	0.007	294750	110250											
16	5.0	5.0	0.30	5.10	634	ZZ	1760	680	37000	44000						
0.6299	0.1968	0.1968	0.011	396000	153000											
5 0.1968	8	2.0	2.5	0.08	0.32	675	ZZ	292	142	49000	57000					
	0.3149	0.0787	0.0984	0.003				65700	31950							
	11	3.0	5.0	0.15				1.10	685			ZZ	715	282	43000	51000
	0.4330	0.1181	0.1968	0.005				160880	63450							
	13	4.0	4.0	0.20				2.40	695			ZZ	1080	430	40000	47000
	0.5118	0.1574	0.1574	0.007				243000	96750							
	14	5.0	5.0	0.20				3.50	605			ZZ	1330	505	39000	46000
	0.5511	0.1968	0.1968	0.007				299250	113630							
16	5.0	5.0	0.30	4.80	625	ZZ	1760	680	37000	44000						
0.6299	0.1968	0.1968	0.011	396000	153000											
19	6.0	6.0	0.30	8.00	635	ZZ	2340	885	34000	40000						
0.7480	0.2362	0.2362	0.011	526500	199130											
6 0.2362	10	2.5	3.0	0.10	0.65	676	ZZ	530	240	43000	51000					
	0.3937	0.0984	0.1181	0.003				119250	54000							
	13	3.5	5.0	0.15				1.90	686			ZZ	1080	440	39000	46000
	0.5118	0.1377	0.1968	0.005				243000	99000							
	15	5.0	5.0	0.20				3.80	696			ZZ	1350	530	37000	44000
	0.5905	0.1968	0.1968	0.007				303750	119250							
17	6.0	6.0	0.30	6.00	606	ZZ	2190	865	35000	42000						
0.6692	0.2362	0.2362	0.011	6.00	606	ZZ	492750	194630	35000	42000						
19	6.0	6.0	0.30	8.10	626	ZZ	2340	885	34000	40000						
0.7480	0.2362	0.2362	0.011	526500	199130											
7 0.2755	11	2.5	3.0	0.10	0.67	677	ZZ	555	269	40000	47000					
	0.4330	0.0984	0.1181	0.003				124880	60530							
	14	3.5	5.0	0.15				2.10	687			ZZ	1170	510	37000	44000
	0.5511	0.1377	0.1968	0.005				263250	114750							
	17	5.0	5.0	0.30				5.20	697			ZZ	1610	715	35000	41000
	0.6692	0.1968	0.1968	0.011				262250	160880							
	19	6.0	6.0	0.30				8.00	607			ZZ	2240	910	34000	40000
0.7480	0.2362	0.2362	0.011	504000	204750											
22	7.0	7.0	0.30	13.00	627	ZZ	3350	1400	32000	37000						
0.8661	0.2755	0.2755	0.011	753750	315000											
8 0.3149	12	2.5	3.5	0.10	0.75	678	ZZ	575	298	38000	45000					
	0.4724	0.0984	0.1377	0.003				129380	67050							
	16	4.0	5.0	0.20				3.10	688			ZZ	1260	585	35000	41000
	0.6299	0.1574	0.1968	0.007				283500	131630							
	19	6.0	6.0	0.30				7.30	698			ZZ	1990	865	33000	39000
	0.7480	0.2362	0.2362	0.011				447750	194630							
	22	7.0	7.0	0.30				12.00	608			ZZ	3350	1400	32000	37000
0.8661	0.2755	0.2755	0.011	753750	315000											
24	8.0	8.0	0.30	17.00	628	ZZ	4000	1590	31000	36000						
0.9448	0.3149	0.3149	0.011	900000	357750											
9 0.3543	14	3.0	4.5	0.10	1.40	679	ZZ	920	465	36000	42000					
	0.5511	0.1181	0.1771	0.003				20700	109130							
	17	4.0	5.0	0.20				3.20	689			ZZ	1720	820	33000	39000
	0.6692	0.1574	0.1968	0.007				387000	184500							
	20	6.0	6.0	0.30				8.20	699			ZZ	2480	1090	32000	38000
0.7874	0.2362	0.2362	0.011	558000	245250											
130 5.1181	24	7.0	7.0	0.30	14.00	609	ZZ	3400	1450	31000	36000					
	0.9448	0.2755	0.2755	0.011				765000	326250							
	26	8.0	8.0	0.30				20.00	629			ZZ	4550	1960	30000	35000
	1.0236	0.3149	0.3149	0.011				1023750	441000							

MINIATURE BALL BEARINGS (INCH SERIES)



BASIC PART NUM- BER	BORE			OUTER DIAMETER			WIDTH		r_{max}	BALLS		STATIC LOAD-LBS N	DYNAMIC LOAD-LBS N
	FRAC.	INCH	TOL.	FRAC.	FRAC.	TOL.	TOL. $+0.000$ -0.050			NO.	FRAC.		
							OPEN	SEAL/SHIELD					
R2	1/8	.1250	-0.003	3/8	.3750	-0.004	.1562	.1562	.012	7	1/16	49	113
R3	3/16	.1875	-0.003	1/2	.5000	-0.004	.1562	.1960	.012	7	3/32	70	145
R4	1/4	.2500	-0.003	5/8	.6250	-0.004	.1960	.1960	.012	7	1/8	195	385
R4A	1/4	.2501	-0.003	3/4	.7500	-0.004	.2188	.2812	.016	6	9/54	150	320
R6	3/8	.3750	-0.003	7/8	.8750	-0.004	.2188	.2812	.016	7	5/32	305	570
R8	1/2	.5000	-0.003	1-1/8	1.1250	-0.004	.2500	.3125	.016	8	3/16	500	885
R10	5/8	.6250	-0.003	1-3/8	1.3750	-0.005	.2812	.3438	.031	9	3/16	565	970
R12	3/4	.7500	-0.004	1-5/8	1.6250	-0.005	.3125	.4375	.031	10	7/32	850	1265
R14	7/8	.8750	-0.004	1-7/8	1.8750	-0.005	.3750	.5000	.031	10	1/4	1110	1735
R16	1	1.0000	-0.004	3	2.0000	-0.005	.3750	.5000	.031	10	1/4	1110	1735
R18	1 1/8	1.1250	-0.004	2-1/8	2.1250	-0.005	.3750	.5000	.031	11	1/4	1225	1840
R20	1 1/4	1.2500	-0.005	2	2.2500	-0.005	.3750	.5000	.031	12	1/4	1335	1920