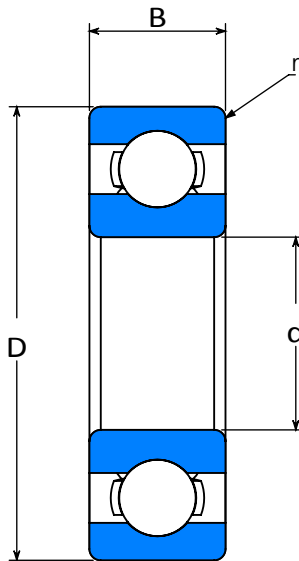
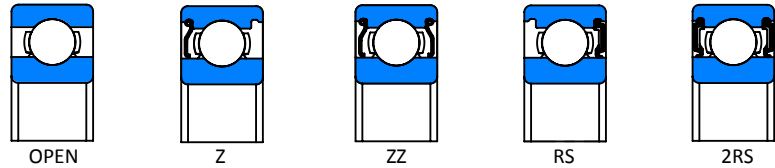


RLS & RMS Series Radial Ball Bearing

Inch Series



- Ring Material:** Standard AISI 52100 or 440C stainless steel equivalent.
- Ball Material:** Silicon nitride (SiN4) ceramic balls are available upon request.
- Closures:** Open, shields, and seals.
- Seal materials:** NBR, EPDM, ACM, FKM and Silicone
- Seal contact type:** Non-contact, light, standard and tight contact
- Cage Design:** Crimped steel ribbon, crown steel cage, molded plastic cage, etc.
- Radial clearance:** C0 to C5, or as specified by the customer
- Precision level:** Abec 1 to Abec 5
- Bearing noise level:** Standard (i.e. Z1 or V1) to EMQ (Electric Motor Quality)
- Lubricant:** special low noise and low/high temperature are available as needed
- Snap ring:** Available for certain sizes in this page upon request.



Bearing No.	Boundary Dimensions							Basic Load Rating (lbf)		Limiting Speed (RPM)		Weight (lbs)
	d		D		B		r	Dynamic Cr	Static Cor	Grease ZZ, 2RS	Oil Open	
	inch	mm	inch	mm	inch	mm	inch					
RLS 4	0.5000	12.700	1.3125	33.338	0.3750	9.525	0.0313	520	380	20000	24000	0.03
RLS 5	0.6250	15.875	1.5625	39.688	0.4375	11.112	0.0313	720	430	17000	21000	0.06
RLS 6	0.7500	19.050	1.8750	47.625	0.5625	14.288	0.0625	1000	630	14000	17000	0.11
RLS 7	0.8750	22.225	2.0000	50.800	0.5625	14.288	0.0625	1200	760	13000	16000	0.13
RLS 8	1.0000	25.400	2.2500	57.150	0.6250	15.875	0.0625	1400	970	11500	14000	0.17
RLS 9	1.1250	28.575	2.5000	63.500	0.6250	15.875	0.0625	1530	1020	10000	12500	0.21
RLS 10	1.2500	31.750	2.7500	69.850	0.6875	17.462	0.0625	1830	1230	9200	11500	0.28
RLS 11	1.3750	34.925	3.0000	76.200	0.6875	17.472	0.0625	2010	1390	8400	10500	0.37
RLS 12	1.5000	38.100	3.2500	82.550	0.7500	19.050	0.0625	2400	1700	7800	9500	0.43

Bearing No.	Boundary Dimensions							Basic Load Rating (lbf)		Limiting Speed (RPM)		Weight (lbs)
	d		D		B		r	Dynamic Cr	Static Cor	Grease ZZ, 2RS	Oil Open	
	inch	mm	inch	mm	inch	mm	inch					
RMS 4	0.5000	12.700	1.6250	41.275	0.6250	15.875	0.0625	900	570	17000	21000	0.10
RMS 5	0.6250	15.875	1.8125	46.038	0.6250	15.875	0.0625	1060	630	14000	17000	0.11
RMS 6	0.7500	19.050	2.0000	50.800	0.6875	17.462	0.0625	1240	850	13000	16000	0.16
RMS 7	0.8750	22.225	2.2500	57.150	0.6875	17.462	0.0625	1450	930	12000	15000	0.20
RMS 8	1.0000	25.400	2.5000	63.500	0.7500	19.050	0.0938	1860	1240	10000	12000	0.25
RMS 9	1.1250	28.575	2.8125	71.438	0.8125	20.638	0.0938	1810	1230	9600	12000	0.38
RMS 10	1.2500	31.750	3.1250	79.375	0.8750	22.225	0.0938	2350	1610	8400	10500	0.51