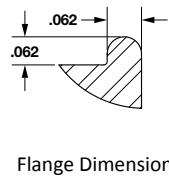
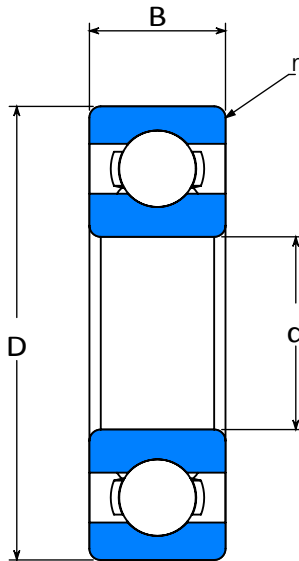


# Semi Precision Radial Ball Bearing

3000 Inch Series



**Precision Ground On All Contact Surface Except Bore**

**Ring Material:** Selected chrome bearing steel.

**Closures:** Open, shields, and seals.

**Seal materials:** NBR, EPDM, ACM, FKM and Silicone

**Seal contact type:** Non-contact, light, standard and tight contact

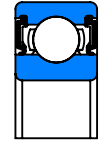
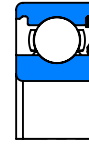
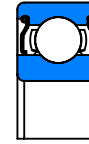
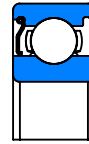
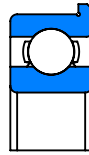
**Cage Design:** Standard nylon retainer

**Radial clearance:** C0 to C5, or as specified by the customer

**Bearing noise level:** Standard (i.e. Z1 or V1)

**Lubricant:** standard industrial grease

**Maximum recommended speed:** 2500-3000 RPM



Flange Dimension

FR

Z

ZZ

RS

2RS

Bearing No.	Bore	Outer Diameter		Width	Radius	Dynamic	Static
	d	D		B	r max	Cr	Cor
	+0.005/-0.000	+0.000/-Minus		+0.005/-0.000	(inch)	(lbf)	(lbf)
	(inch)	(inch)	Minus	(inch)			
3001	0.1875	0.6875	-0.0005	0.3125*	0.012	255	170
3002	0.2500	0.6875	-0.0005	0.3125*	0.012	255	170
3003	0.3125	0.8750	-0.0005	0.3437**	0.012	325	255
3004	0.3750	0.8750	-0.0005	0.3437**	0.015	325	255
3005	0.3125	0.9062	-0.0005	0.3125	0.012	350	300
3006	0.3750	0.9062	-0.0005	0.3125	0.015	350	300
3007	0.4375	0.9062	-0.0005	0.3125	0.015	350	300
3014	0.3750	1.1250	-0.0005	0.3750	0.025	600	475
3015	0.4375	1.1250	-0.0005	0.3750	0.025	600	475
3016	0.5000	1.1250	-0.0005	0.3750	0.025	600	475
3020	0.4375	1.3750	-0.0005	0.4375	0.025	940	850
3021	0.5000	1.3750	-0.0005	0.4375	0.025	940	850
3022	0.5625	1.3750	-0.0005	0.4375	0.025	940	850
3023	0.6250	1.3750	-0.0005	0.4375	0.025	1300	1010
3028	0.6250	1.6250	-0.0005	0.5000	0.025	1300	1010
3030	0.7500	1.6250	-0.0005	0.5000	0.025	1300	1010
3033	0.6250	1.7500	-0.0005	0.5000	0.025	1300	1025
3035	0.7500	1.7500	-0.0005	0.5000	0.025	1300	1025
3038	0.7500	2.0000	-0.0006	0.5625	0.035	1480	1350
3040	0.8750	2.0000	-0.0006	0.5625	0.035	1480	1350
3041	1.0000	2.0000	-0.0006	0.5625	0.035	1480	1350

\*Width for open and shielded bearings is 1/4 inch

\*\*Width for open and shielded bearing is 9/32 inch