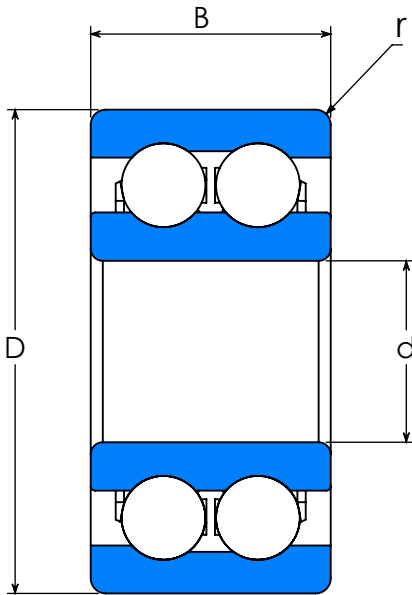
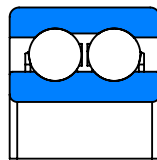


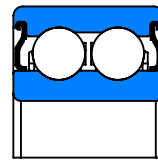
# Double Row Angular Contact Ball Bearings Maximum Capacity Type (3000 Series)



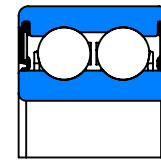
- Design:** This 3000 bearing series has filling notch which can take in more balls, hence provide a higher load rating compared to 5000 Series.
- Contact Angle:** This 3000 angular contact ball bearing series is available with various contact Angle : A=30°, B=40°, C=15°;
- Ring material:** Standard AISI 52100, AISI 440C or other engineered materials
- Closures:** Open, shields, trash guard seals and rubber seals.
- Retainer:** Steel, phenolic resin, brass, polymer or other engineered materials
- Ball:** Standard AISI 52100, AISI 440C or silicon nitride Si3N4 (Ceramic)
- Radial Clearance:** C0 to C3
- Precision Level:** ABEC 1 TO ABEC 5
- Seal Materials:** NBR, EPDM, ACM, FKM and Silicone
- Seal Contact Type:** Non-contact, light, standard and tight contact
- Bearing noise level:** Standard (i.e. Z1 or V1)



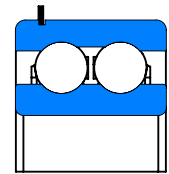
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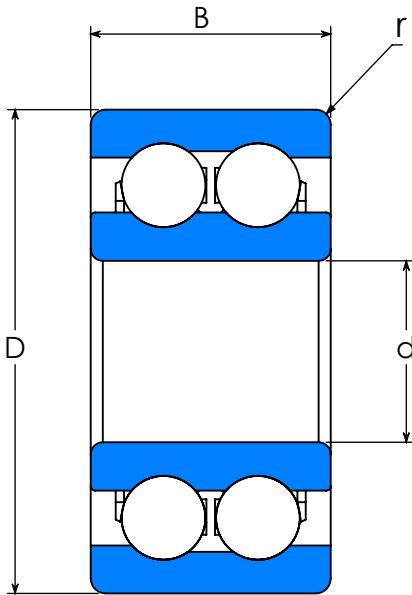
2RS



NR

WJB Bearing No	Bore d		Outer Diameter D		Width B				Radius r		Basic Loading N		Weight (Ref) kg
					Open		Shields & seals				Dynamic Cr	Static Cor	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch			
3202	15	0.5906	35	1.3780	15.9	0.626	19	0.748	1.0	0.039	11,100	9,000	0.069
3203	17	0.6693	40	1.5748	17.5	0.6890	20.6	0.811	1.0	0.039	14,200	11,800	0.099
3303	17	0.6693	47	1.8504	22.2	0.8740	25.4	1.000	1.5	0.039	17,570	14,900	0.185
3204	20	0.7874	47	1.8504	20.6	0.8110	23.8	0.937	1.5	0.059	17,570	15,124	0.166
3304	20	0.7874	52	2.0472	22.2	0.8740	25.4	1.000	2.0	0.039	20,900	18,460	0.221
3205	25	0.9843	52	2.0472	20.6	0.8110	23.8	0.937	1.5	0.059	19,350	18,460	0.183
3305	25	0.9843	62	2.4409	25.4	1.0000	28.6	1.126	2.0	0.039	29,350	26,700	0.354
3206	30	1.1811	62	2.4409	23.8	0.9370	27	1.063	1.5	0.059	27,801	27,360	0.303
3306	30	1.1811	72	2.8346	30.2	1.1890	33.3	1.311	2.0	0.039	38,700	36,475	0.558
3207	35	1.3780	72	2.8346	27	1.0630	30.2	1.189	2.0	0.079	37,300	38,000	0.458
3307	35	1.3780	80	3.1496	34.9	1.3740	38.1	1.500	2.5	0.059	49,400	47,600	0.757
3208	40	1.5748	80	3.1496	30.2	1.1890	33.3	1.311	2.0	0.079	40,500	45,000	0.626
3308	40	1.5748	90	3.5433	36.5	1.4370	39.7	1.563	2.5	0.059	54,200	57,400	1.03
3209	45	1.7717	85	3.3465	30.2	1.1890	33.3	1.311	2.0	0.079	46,200	52,000	0.676
3309	45	1.7717	100	3.9370	39.7	1.5630	42.8	1.685	2.5	0.059	67,100	72,500	1.37
3210	50	1.9685	90	3.5433	30.2	1.1890	33.3	1.311	2.0	0.079	52,500	59,600	0.699

# Double Row Angular Contact Ball Bearings Maximum Capacity Type (3000 Series)



**Design:** This 3000 bearing series has filling notch which can take in more balls, hence provide a higher load rating compared to 5000 Series.

**Contact Angle:** This 3000 angular contact ball bearing series is available with various contact Angle : A=30°, B=40°, C=15°;

**Ring material:** Standard AISI 52100, AISI 440C or other engineered materials

**Closures:** Open, shields, trash guard seals and rubber seals.

**Retainer:** Steel, phenolic resin, brass, polymer or other engineered materials

**Ball:** Standard AISI 52100, AISI 440C or silicon nitride Si3N4 (Ceramic)

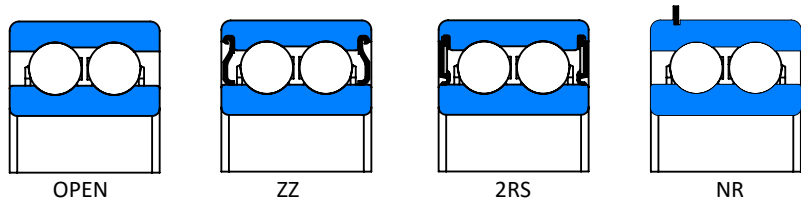
**Radial Clearance:** C0 to C3

**Precision Level:** ABEC 1 TO ABEC 5

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

**Seal Contact Type:** Non-contact, light, standard and tight contact

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



WJB Bearing No.	Bore d		Outer Diameter D		Width B				Radius r		Basic Loading N		Weight (Ref) kg
	mm	inch	mm	inch	Open		Shields & seals		mm	inch	Dynamic Cr	Static Cor	
					mm	inch	mm	inch					
3310	50	1.9685	110	4.3307	44.4	1.7480	47.6	1.874	3.0	0.078	81,400	89,400	1.98
3211	55	2.1654	100	3.9370	33.3	1.3110	36.5	1.437	2.5	0.098	65,800	76,500	1.07
3311	55	2.1654	120	4.7244	49.2	1.9370	52.4	2.063	3.0	0.078	96,500	108,000	2.42
3212	60	2.3622	110	4.3307	36.5	1.4370	39.7	1.562	2.5	0.098	70,300	88,000	1.34
3312	60	2.3622	130	5.1181	54	2.1260	57.1	2.248	3.5	0.078	113,000	128,600	3.07
3213	65	2.5591	120	4.7244	38.1	1.5000	41.2	1.6250	2.5	0.098	78,000	99,000	1.68
3313	65	2.5591	140	5.5118	58.7	2.3110	61.9	2.4370	3.5	0.078	130,800	151,240	3.90
3214	70	2.7559	125	4.9213	39.7	1.5630	42.8	1.6870	2.5	0.098	86,000	110,000	1.84
3314	70	2.7559	150	5.9055	63.5	2.5000	66.7	2.6260	3.5	0.078	153,400	169,000	5.22
3215	75	2.9528	130	5.1181	41.3	1.6260	44.4	1.7500	2.5	0.098	94,000	122,000	2.01
3315	75	2.9528	160	6.2992	68.3	2.6890	71.4	2.8110	3.5	0.078	171,000	191,000	6.30
3216	80	3.1496	140	5.5118	44.4	1.7480	47.6	1.8700	3.0	0.118	103,600	130,800	2.71
3217	85	3.3465	150	5.9055	49.2	1.9370	52.4	2.0620	3.0	0.118	121,400	155,700	3.48
3218	90	3.5433	160	6.2992	52.4	2.0630	55.5	2.1870	3.0	0.118	135,700	169,000	4.24
3219	95	3.7402	170	6.6929	55.6	2.1890	55.6	2.1890	3.5	0.138	144,500	184,600	5.08
3220	100	3.9370	180	7.0866	60.3	2.3740	60.3	2.3740	3.5	0.138	189,000	233,500	5.90