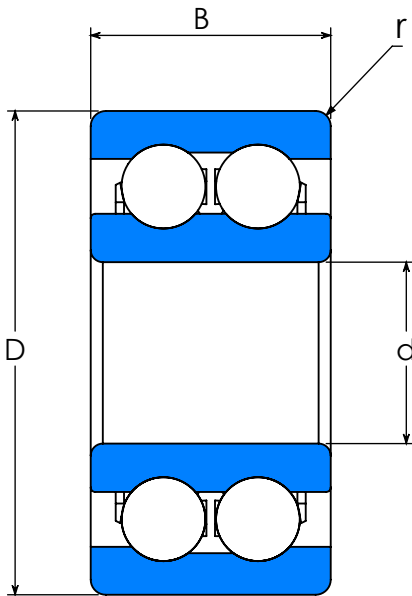


Double Row Angular Contact Ball Bearings (5000 Series)



Contact Angle: This 5000 bearing series has a robust performance with a 30° contact angle along with an extra wide version.

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)

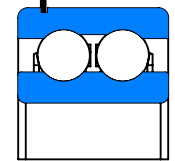
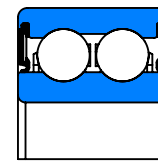
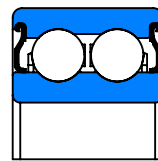
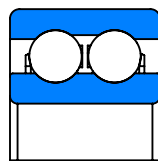
Radial Clearance: C0 to C5, or as specified by the customer

Precision Level: ABEC 1 TO ABEC 7

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) to EMQ (Eclectic Motor Quality)



OPEN

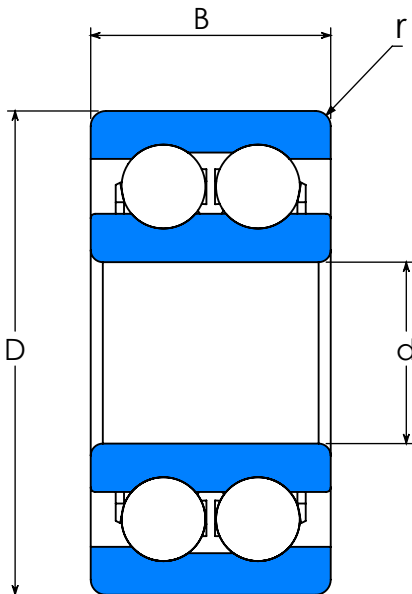
ZZ

2RS

NR

WJB Bearing No	Bore d		Outer Diameter D		Width B		Radius r, min		Basic Load Rating N		Limiting Speed		Weight (kg)
	mm	inch	mm	inch	mm	inch	mm	inch	Dynamic Cr	Static Cor	Oil RPM	Grease RPM	
5200	10	0.3937	30	1.1811	14.287	0.5625	0.8	0.0315	7,590	4,380	23,000	16,000	0.059
5300	10	0.3937	35	1.3780	19.050	0.7500	0.6	0.0236	11,400	5,910	20,000	14,000	0.100
5201	12	0.4724	32	1.2598	15.875	0.6250	0.8	0.0315	9,120	5,060	20,000	14,000	0.073
W5201	12	0.4724	32	1.2598	17.463	0.6875	0.8	0.0315	10,200	5,630	20,000	14,000	0.077
5301	12	0.4724	37	1.4567	19.050	0.7500	1.1	0.0433	12,820	7,190	18,000	13,000	0.104
5202	15	0.5906	35	1.3780	15.875	0.6250	1.0	0.0394	10,000	6,050	18,000	12,000	0.082
W5202	15	0.5906	35	1.3780	19.050	0.7500	1.0	0.0394	11,600	6,600	18,000	12,000	0.086
5302	15	0.5906	42	1.6535	19.050	0.7500	1.5	0.0591	14,350	8,380	16,000	11,000	0.172
5203	17	0.6693	40	1.5748	17.463	0.6875	1.0	0.0394	12,700	7,900	16,000	11,000	0.091
W5203	17	0.6693	40	1.5748	20.638	0.8125	1.0	0.0394	12,700	7,900	16,000	11,000	0.091
5303	17	0.6693	47	1.8504	20.225	0.7963	1.5	0.0591	20,450	12,150	14,000	10,000	0.222
5204	20	0.7874	47	1.8504	20.638	0.8125	1.5	0.0591	15,300	10,400	13,000	9,500	0.154
W5204	20	0.7874	47	1.8504	23.813	0.9375	1.5	0.0591	19,000	12,200	13,000	9,500	0.163
5304	20	0.7874	52	2.0472	20.225	0.7963	2.0	0.0787	22,600	14,730	12,000	8,500	0.231
W5304	20	0.7874	52	2.0472	25.400	1.0000	2.0	0.0787	22,600	14,730	12,000	8,500	0.245
5205	25	0.9843	52	2.0472	20.638	0.8125	1.5	0.0591	16,900	11,800	11,000	8,000	0.191
W5205	25	0.9843	52	2.0472	23.813	0.9375	1.5	0.0591	20,500	14,200	11,000	8,000	0.204
5305	25	0.9843	62	2.4409	25.400	1.0000	2.0	0.0787	26,480	17,860	10,000	7,000	0.340
W5305	25	0.9843	62	2.4409	28.575	1.1250	2.0	0.0787	30,530	20,510	10,000	7,000	0.404
5206	30	1.1811	62	2.4409	23.813	0.9375	1.5	0.0591	24,800	18,600	10,000	7,000	0.290
W5206	30	1.1811	62	2.4409	26.988	1.0625	1.5	0.0591	28,500	20,400	10,000	7,000	0.336
5306	30	1.1811	72	2.8346	30.163	1.1875	2.0	0.0787	39,510	27,480	9,000	6,000	0.513
W5306	30	1.1811	72	2.8346	33.338	1.3125	2.0	0.0787	39,510	27,480	9,000	6,000	0.640
5207	35	1.3780	72	2.8346	26.988	1.0625	2.0	0.0787	32,900	24,400	8,500	6,000	0.431

Double Row Angular Contact Ball Bearings (5000 Series)



Contact Angle: This 5000 bearing series has a robust performance with a 30° contact angle along with an extra wide version.

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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)

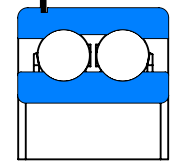
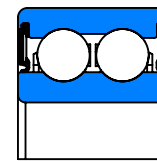
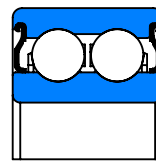
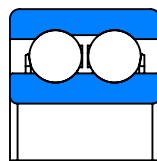
Radial Clearance: C0 to C5, or as specified by the customer

Precision Level: ABEC 1 TO ABEC 7

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) to EMQ (Eclectic Motor Quality)



OPEN

ZZ

2RS

NR

WJB Bearing No.	Bore d		Outer Diameter D		Width B		Radius r, min		Basic Load Rating N		Limiting Speed		Weight (kg)
	mm	inch	mm	inch	mm	inch	mm	inch	Dynamic Cr	Static Cor	Oil RPM	Grease RPM	
W5207	35	1.3780	72	2.8346	30.163	1.1875	2.0	0.0787	37,700	27,800	8,500	6,000	0.549
5307	35	1.3780	80	3.1496	34.925	1.3750	2.5	0.0984	49,400	35,070	8,000	5,500	0.789
W5307	35	1.3780	80	3.1496	38.100	1.5000	2.5	0.0984	49,400	35,070	8,000	5,500	0.857
5208	40	1.5748	80	3.1496	30.163	1.1875	2.0	0.0787	40,300	31,800	7,500	5,000	0.572
5308	40	1.5748	90	3.5433	36.513	1.4375	2.5	0.0984	60,400	44,000	7,000	4,500	1.052
5209	45	1.7717	85	3.3465	30.163	1.1875	2.0	0.0787	42,700	34,600	7,000	4,500	0.621
5309	45	1.7717	100	3.9370	39.688	1.5625	2.5	0.0984	72,400	53,900	6,000	4,400	1.406
5210	50	1.9685	90	3.5433	30.163	1.1875	2.0	0.0787	45,200	38,700	6,500	4,500	0.671
5310	50	1.9685	110	4.3307	44.450	1.7500	3.0	0.1181	78,300	62,300	5,500	4,000	1.814
5211	55	2.1654	100	3.9370	33.338	1.3125	2.5	0.0984	53,900	47,200	5,500	4,000	0.984
5311	55	1.9685	120	4.7244	49.213	1.9375	3.0	0.1181	106,200	81,800	5,000	3,600	2.318
5212	60	2.3622	110	4.3307	36.513	1.4375	2.5	0.0984	66,900	59,400	5,000	3,600	1.270
5312	60	2.1654	130	5.1181	53.975	2.1250	3.5	0.1378	121,400	95,200	4,500	3,200	3.048
5213	65	2.5591	120	4.7244	38.100	1.5000	2.5	0.0984	73,400	66,600	4,800	3,400	1.569
5313	65	2.3622	140	5.5118	58.738	2.3125	3.5	0.1378	137,500	109,700	4,400	3,000	3.901
5214	70	2.7559	125	4.9213	39.688	1.5625	2.5	0.0984	80,500	73,800	4,600	3,200	1.801
5314	70	2.5591	150	5.9055	63.500	2.5000	3.5	0.1378	154,500	125,100	4,000	2,800	4.899
5215	75	2.9528	130	5.1181	41.275	1.6250	2.5	0.0984	87,900	81,400	4,400	3,000	1.905
5315	75	2.7559	160	6.2992	68.263	2.6875	3.5	0.1378	168,200	141,500	3,800	2,600	5.488
5216	80	3.1496	140	5.5118	44.450	1.7500	3.0	0.1181	95,300	89,700	4,000	2,800	2.495
5316	80	2.9528	170	6.6929	68.263	2.6875	3.5	0.1378	182,300	158,800	3,600	2,400	6.804
5217	85	3.3465	150	5.9055	49.213	1.9375	3.0	0.1181	111,800	106,400	3,800	2,600	3.062
5218	90	3.5433	160	6.2992	52.388	2.0625	3.0	0.1181	139,900	129,000	3,600	2,400	4.037