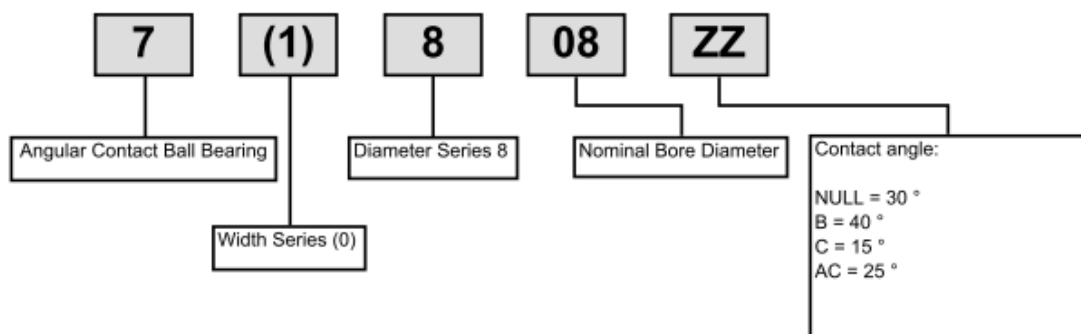


ANGULAR CONTACT BALL BEARINGS

Its axial load carrying capacity increases with increasing contact angle α . This is defined as the angle between the line joining the points of contact of the ball and the raceways in the radial plane, along which the load is transmitted from one raceway to another (the load line), and a line perpendicular to the bearing axis.

Part Number Identification



Bearing number composition

Bearing Series No.	Width Series No.	Diameter Series No.	
7	(1)	8	
	(1)	9	
	(1)	0	
	(0)	2	
	(0)	3	

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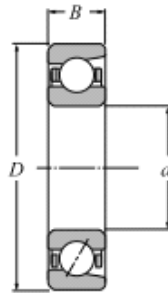
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Tel: 0086-311-89801595 FAX: 0086-311-67662667

E-mail: sales@onlybearing.com

Angular Contact Ball Bearings - 70.. SERIES

d 10 - 120 mm



d	Boundary Dimension		B	Bearing Designation			Mass
	D	mm					\approx kg
10	26		8	7000B	7000C	7000AC	0.021
12	28		8	7001	7001C	7001AC	0.024
15	32		9	7002	7002C	7002AC	0.035
17	35		10	7003	7003C	7003AC	0.045
20	42		12	7004B	7004C	7005AC	0.079
25	47		12	7005B	7005C	7005AC	0.091
30	55		13	7006B	7006C	7006AC	0.133
35	62		14	7007B	7007C	7007AC	0.170
40	68		15	7008B	7008C	7008AC	0.210
45	75		16	7009B	7009C	7009AC	0.260
50	80		16	7010B	7010C	7010AC	0.290
55	90		18	7011B	7011C	7011AC	0.420
60	95		18	7012B	7012C	7012AC	0.450
65	100		18	7013B	7013C	7013AC	0.470
70	110		20	7014B	7014C	7014AC	0.660
75	115		20	7015B	7015C	7015AC	0.690
80	125		22	7016B	7016C	7016AC	0.930
85	130		22	7017B	7017C	7017AC	0.970
90	140		24	7018B	7018C	7018AC	1.260
95	145		24	7019B	7019C	7019AC	1.320
100	150		24	7020B	7020C	7020AC	1.370
105	160		26	7021B	7021C	7021AC	1.730
110	170		28	7022B	7022C	7022AC	2.140
120	180		28	7024B	7024C	7024AC	2.270

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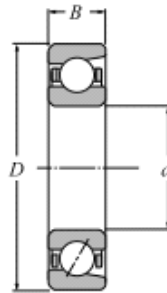
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E-mail: sales@onlybearing.com

Angular Contact Ball Bearings - 72.. SERIES

d 10 - 120 mm



d	Boundary Dimension		Bearing Designation				Mass
	D	B				\approx kg	
10	30	9	7200	7200C	7200AC	0.031	
12	32	10	7201	7201C	7201AC	0.038	
15	35	11	7202	7202C	7202AC	0.048	
17	40	12	7203	7203C	7203AC	0.067	
20	47	14	7204	7204C	7204AC	0.106	
25	52	15	7205	7205C	7205AC	0.130	
30	62	16	7206	7206C	7206AC	0.197	
35	72	17	7207	7207C	7207AC	0.285	
40	80	18	7208	7208C	7208AC	0.375	
45	85	19	7209	7209C	7209AC	0.411	
50	90	20	7210	7210C	7210AC	0.466	
55	100	21	7211	7211C	7211AC	0.613	
60	110	22	7212	7212C	7212AC	0.798	
65	120	23	7213	7213C	7213AC	1.030	
70	125	24	7214	7214C	7214AC	1.110	
75	130	25	7215	7215C	7215AC	1.190	
80	140	26	7216	7216C	7216AC	1.500	
85	150	28	7217	7217C	7217AC	1.870	
90	160	30	7218	7218C	7218AC	2.300	
95	170	32	7219	7219C	7219AC	2.780	
100	180	34	7220	7220C	7220AC	3.320	
105	190	36	7221	7221C	7221AC	3.950	
110	200	38	7222	7222C	7222AC	4.650	
120	215	40	7224	7224C	7224AC	5.490	

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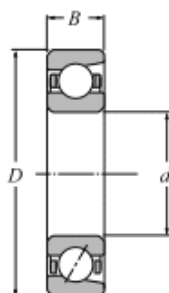
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Angular Contact Ball Bearings - 73.. SERIES

d 10 - 100 mm



d	Boundary Dimension		B	Bearing Designation			Mass
	D	mm					≈ kg
10	35		11	7300	7300C	7300AC	0.054
12	37		12	7301	7301C	7301AC	0.065
15	42		13	7302	7302C	7302AC	0.048
17	47		14	7303	7303C	7303AC	0.120
20	52		15	7304B	7304C	7304AC	0.146
25	62		17	7305B	7305C	7305AC	0.235
30	72		19	7306B	7306C	7306AC	0.346
35	80		21	7307B	7307C	7307AC	0.464
40	90		23	7308B	7308C	7308AC	0.633
45	100		25	7309B	7309C	7309AC	0.848
50	110		27	7310B	7310C	7310AC	1.100
55	120		29	7311B	7311C	7311AC	1.410
60	130		31	7312B	7312C	7312AC	1.740
65	140		33	7313B	7313C	7313AC	2.120
70	150		35	7314B	7314C	7314AC	2.600
75	160		37	7315B	7315C	7315AC	3.130
80	170		39	7316B	7316C	7316AC	3.850
85	180		41	7317B	7317C	7317AC	4.530
90	190		43	7318B	7318C	7318AC	5.300
95	200		45	7319B	7319C	7319AC	6.120
100	215		47	7320B	7320C	7320AC	7.530

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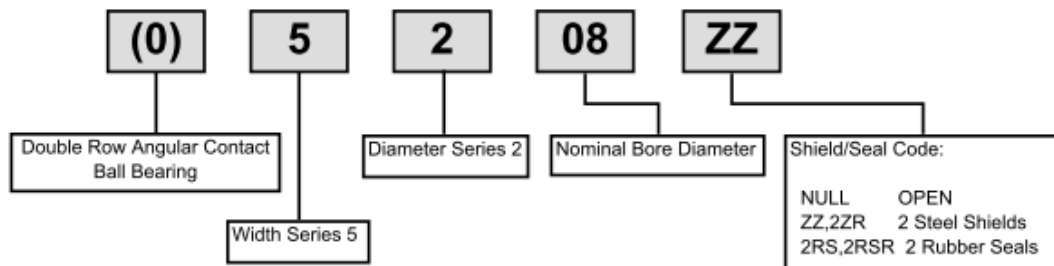
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E-mail: sales@onlybearing.com

DOUBLE ROW ANGULAR CONTACT BALL BEARINGS

Its correspond in design to two single row angular contact ball bearings but take up less axial space and can accommodate radial loads as well as axial loads acting in both directions.

Part Number Identification



Bearing number composition

Bearing Series No.	Width Series No.	Diameter Series No.	
(0)	3	2	
	3	3	
	3	8	
	3	9	
	5	2	
	5	3	

** If 3200 & 3300 series without ball slot, the dimensions are same as 5200, 5300 series.

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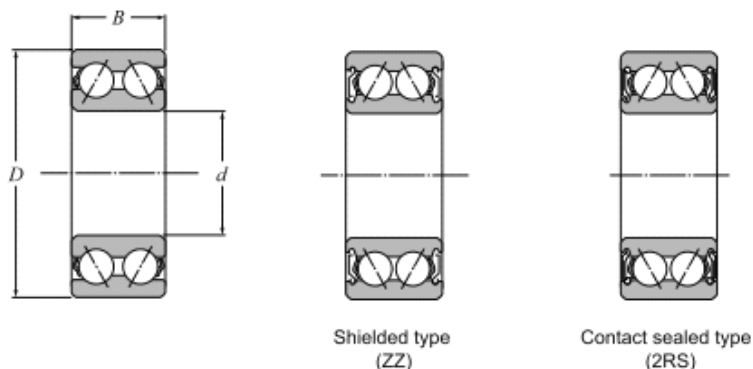
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Tel: 0086-311-89801595 FAX: 0086-311-67662667

E-mail: sales@onlybearing.com

Double Row Angular Contact Ball Bearings - 38..,39.. SERIES

d 10 - 90 mm



<i>d</i>	Boundary Dimension			Bearing Designation			Mass ≈ kg
	<i>D</i>	<i>B</i>		OPEN	ZZ	2RS	
10	19	7		3800	3800 ZZ	3800 2RS	0.008
12	21	7		3801	3801 ZZ	3801 2RS	0.008
15	24	7		3802	3802 ZZ	3802 2RS	0.009
17	26	7		3803	3803 ZZ	3803 2RS	0.015
20	32	10		3804	3804 ZZ	3804 2RS	0.020
25	37	10		3805	3805 ZZ	3805 2RS	0.025
30	42	10		3806	3806 ZZ	3806 2RS	0.030
35	47	10		3807	3807 ZZ	3807 2RS	0.035
40	52	10		3808	3808 ZZ	3808 2RS	0.040
45	58	10		3809	3809 ZZ	3809 2RS	0.053
50	65	12		3810	3810 ZZ	3810 2RS	0.070
55	72	13		3811	3811 ZZ	3811 2RS	0.090
60	78	14		3812	3812 ZZ	3812 2RS	0.140
65	85	15		3813	3813 ZZ	3813 2RS	0.160
70	90	15		3814	3814 ZZ	3814 2RS	0.190
75	95	15		3815	3815 ZZ	3815 2RS	0.210
80	100	15		3816	3816 ZZ	3816 2RS	0.230
85	110	19		3817	3817 ZZ	3817 2RS	0.210
90	115	19		3818	3818 ZZ	3818 2RS	0.457
20	37	13		3904	3904 ZZ	3904 2RS	0.047
25	42	13		3905	3905 ZZ	3905 2RS	0.052
30	47	13		3906	3906 ZZ	3906 2RS	0.056
35	55	15		3907	3907 ZZ	3907 2RS	0.063
40	62	16		3908	3908 ZZ	3908 2RS	0.065
45	68	16		3909	3909 ZZ	3909 2RS	0.080
50	72	16		3910	3910 ZZ	3910 2RS	0.096
55	80	19		3911	3911 ZZ	3911 2RS	0.118
60	85	19		3912	3912 ZZ	3912 2RS	0.171
65	90	19		3913	3913 ZZ	3913 2RS	0.193
70	100	23		3914	3914 ZZ	3914 2RS	0.216
75	105	23		3915	3915 ZZ	3915 2RS	0.238
80	110	23		3916	3916 ZZ	3916 2RS	0.257
85	120	26		3917	3917 ZZ	3917 2RS	0.235
90	125	26		3918	3918 ZZ	3918 2RS	0.484

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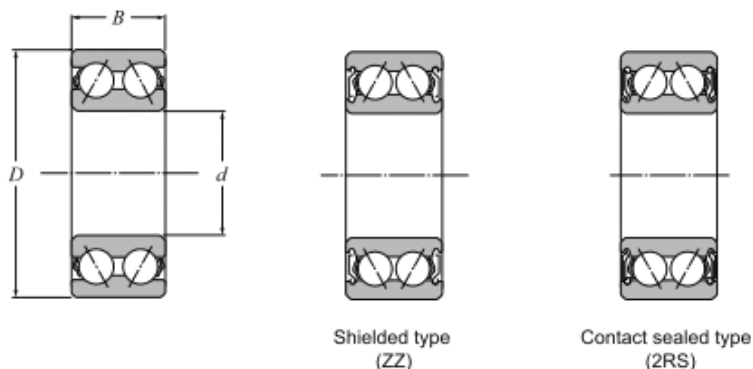
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Double Row Angular Contact Ball Bearings - 52...,53.. SERIES

d 10 - 160 mm



d	Boundary Dimension		Bearing Designation			Mass ≈ kg
	D	B	OPEN	ZZ	2RS	
10	30	14.3	5200	5200 ZZ	5200 2RS	0.049
12	32	15.9	5201	5201ZZ	5201 2RS	0.057
15	35	15.9	5202	5202 ZZ	5203 2RS	0.064
17	40	17.5	5203	5203ZZ	5203 2RS	0.091
20	47	20.6	5204	5204ZZ	5204 2RS	0.120
25	52	20.6	5205	5205ZZ	5205 2RS	0.190
30	62	23.8	5206	5206ZZ	5206 2RS	0.290
35	72	27	5207	5207ZZ	5207 2RS	0.430
40	80	30.2	5208	5208ZZ	5208 2RS	0.570
45	85	30.2	5209	5209ZZ	5209 2RS	0.620
50	90	30.2	5210	5210ZZ	5210 2RS	0.670
55	100	33.3	5211	5211ZZ	5211 2RS	0.960
60	110	36.5	5212	5212ZZ	5212 2RS	1.360
65	120	38.1	5213	5213ZZ	5213 2RS	1.660
70	125	39.7	5214	5214ZZ	5214 2RS	1.810
75	130	41.275	5215	5215 ZZ	5215 2RS	2.100
10	35	19	5300	--	--	0.100
12	37	19	5301	--	--	0.120
15	42	19	5302	5302 ZZ	5302 2RS	0.132
17	47	22.2	5303	5303 ZZ	5303 2RS	0.181
20	52	22.2	5304	5304 ZZ	5304 2RS	0.217
25	62	25.4	5305	5305 ZZ	5305 2RS	0.362
30	72	30.2	5306	5306 ZZ	5306 2RS	0.553
35	80	34.9	5307	5307 ZZ	5307 2RS	0.766
40	90	36.5	5308	5308 ZZ	5308 2RS	1.010
45	100	39.7	5309	5309 ZZ	5309 2RS	1.340
50	110	44.4	5310	5310 ZZ	5310 2RS	1.810
55	120	49.2	5311	5311 ZZ	5311 2RS	2.320
60	130	54	5312	5312 ZZ	5312 2RS	3.050
65	140	58.7	5313	5313 ZZ	5313 2RS	3.960
70	150	63.5	5314	5314 ZZ	5314 2RS	4.740
75	160	68.3	5315	5315 ZZ	5315 2RS	5.650

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