



## Ball Bearing

ANGULAR CONTACT

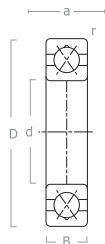
Four Point



[www.fbc-usa.com](http://www.fbc-usa.com)

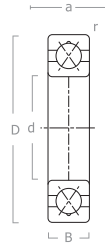
Chapter 2c  
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# FOUR POINTS



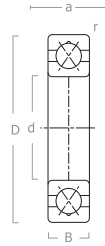
Principal dimensions				Basic load ratings		Speed ratings(rpm)		Designations	Weight
mm				KN		Grease	Oil		kg
d	D	B	r1smin mm	Ca	Coa				
20	52	15	1,1	30,0	19,6	0	0	QJ304	0,18
25	62	17	1,1	44,0	31,5	9500	14000	QJ305	0,25
30	62	16	1,0	36,5	27,0	9000	13000	QJ206	0,24
	72	19	1,1	58,5	43,0	8000	11000	QJ306	0,37
35	72	17	1,1	44,0	35,5	8000	11000	QJ207	0,46
	80	21	1,5	62,0	51,0	7000	9500	QJ307	0,50
40	80	18	1,1	56,0	46,5	7000	9500	QJ208	0,39
	90	23	1,5	86,5	68,0	6300	8500	QJ308	0,69
45	85	19	1,1	64,0	57,0	6300	8500	QJ209	0,48
	100	25	1,5	102,0	83,0	5600	7500	QJ309	0,95
50	90	20	1,1	61,0	56,0	6000	8000	QJ210	0,64
	110	27	2,0	110,0	91,5	5300	7000	QJ310	1,37
55	100	21	1,5	80,0	76,5	5300	7000	QJ211	0,68
	120	29	2,0	127,0	108,0	4800	6300	QJ311	1,74
60	110	22	1,5	96,5	93,0	4800	6300	QJ212	0,87
	130	31	2,1	146,0	127,0	4300	5600	QJ312	2,18
65	120	23	1,5	104,0	100,0	4500	6000	QJ213	1,24
	140	33	2,1	163,0	146,0	4000	5300	QJ313	2,69
70	125	24	1,5	118,0	132,0	4300	5600	QJ214	1,39
	150	35	2,1	183,0	166,0	3800	5000	QJ314	3,25
75	130	25	1,5	125,0	129,0	4000	5300	QJ215	1,77
	160	37	2,1	212,0	204,0	3400	4500	QJ315N2	3,93
80	140	26	2,0	132,0	137,0	3800	5000	QJ216	1,80
	170	39	2,1	220,0	216,0	3200	4300	QJ316N2	4,61
85	150	28	2,0	153,0	160,0	3400	4500	QJ217	2,25

# FOUR POINTS



Principal dimensions				Basic load ratings		Speed ratings(rpm)		Designations	Weight
mm				KN		Grease	Oil		kg
d	D	B	r1smin mm	Ca	Coa				
	180	41	3,0	245,0	255,0	3000	4000	QJ317N2	5,49
90	160	30	2,0	176,0	186,0	3200	4300	QJ218N2	2,89
	190	43	3,0	255,0	265,0	2800	3800	QJ318N2	6,34
95	170	32	2,1	200,0	212,0	3000	4000	QJ219N2	3,37
	200	45	3,0	285,0	310,0	2800	3800	QJ319N2	7,40
100	180	34	2,1	224,0	240,0	2800	3800	QJ220N2	4,03
	215	47	3,0	325,0	365,0	2600	3600	QJ320N2	8,98
105	190	36	2,1	232,0	260,0	2800	3800	QJ221N2	6,11
110	200	38	2,1	250,0	285,0	2600	3600	QJ222N2	5,67
	240	50	3,0	345,0	415,0	2400	3400	QJ322N2	12,20
120	215	40	2,1	280,0	340,0	2400	3400	QJ224N2	6,74
	260	55	3,0	380,0	480,0	2200	3200	QJ324N2	15,60
130	230	40	3,0	290,0	365,0	2200	3200	QJ226N2	7,67
	280	58	4,0	425,0	570,0	2200	3200	QJ326N2	19,20
140	250	42	3,0	315,0	415,0	2000	3000	QJ228N2	9,69
	300	62	4,0	475,0	655,0	1800	2600	QJ328N2	23,20
150	270	45	3,0	345,0	480,0	1900	2800	QJ230N2	12,20
	320	65	4,0	510,0	750,0	1700	2400	QJ330N2	27,80
160	290	48	3,0	375,0	530,0	1800	2600	QJ232N2	20,00
	340	68	4,0	585,0	865,0	1600	2200	QJ332N2	32,50
170	310	52	4,0	425,0	630,0	1700	2400	QJ234N2	18,90
	360	72	4,0	585,0	915,0	1500	2000	QJ334N2	38,40
180	320	52	4,0	430,0	670,0	1400	1900	QJ236N2	23,10
	380	75	4,0	680,0	1080,0	1400	1900	QJ336N2	44,90
190	340	55	4,0	465,0	750,0	1400	1900	QJ238N2	24,00

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Principal dimensions				Basic load ratings		Speed ratings(rpm)		Designations	Weight
mm				KN		Grease	Oil		kg
d	D	B	r1smin mm	Ca	Coa				
	400	75	5,0	735,0	1250,0	1400	1900	QJ338N2	52,10
200	360	58	4,0	510,0	850,0	1400	1900	QJ240N2	33,30
220	400	65	4,0	630,0	1120,0	1300	1800	QJ244N2	49,30
	460	88	5,0	900,0	1660,0	1300	1800	QJ344N2	77,10
240	440	72	4,0	680,0	1270,0	1200	1700	QJ248N2	68,30
	500	95	5,0	1020,0	1020,0	1200	1700	QJ348N2	98,20