

SKF Four point contact bearing Series: QJ2

Angular contact ball bearings have raceways in the inner and outer rings that are displaced relative to each other in the direction of the bearing axis. This means that they are designed to accommodate combined loads, i.e. simultaneously acting radial and axial loads. The axial load carrying capacity of angular contact ball bearings increases with increasing contact angle. The contact angle 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, and a line perpendicular to the bearing axis. Angular contact ball bearings are manufactured in a wide variety of designs and sizes. The most commonly used designs are:

- single row angular contact ball bearings
- double row angular contact ball bearings
- four-point contact ball bearings

Four-point contact ball bearings

Four-point contact ball bearings are radial single row angular contact ball bearings with raceways that are designed to support axial loads acting in both directions. For a given axial load, a limited radial load can be supported. These bearings take up considerably less axial space than double row bearings. The inner ring is split. This enables a large number of balls to be incorporated in the bearing, giving the bearing its high load carrying capacity. The bearings are separable, i.e. the outer ring with ball and cage assembly can be mounted separately from the two inner ring halves. The bearings are available in a standard design and with two locating slots in the outer ring.

Characteristics

Series: QJ2

With sealing: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
QJ 203 N2MA/C2L	17	40	12	35	Brass	23769215
QJ 205 N2MA/C2L	25	52	15	35	Brass	23769216
QJ 206 N2MA/C2L	30	62	16	35	Brass	23769218
QJ 206 MA	30	62	16	35	Brass	23769217
QJ 206 MA/C2LS1	30	62	16	35	Brass	13200697
QJ 207 MA/C2LS1	35	72	17	35	Brass	13200698
QJ 207 N2MA/C2L	35	72	17	35	Brass	23769219
QJ 208 N2MA/C2L	40	80	18	35	Brass	13530174
QJ 208 MA	40	80	18	35	Brass	23769220
QJ 208	40	80	18	35	Steel	13200699
QJ 209 MA/W64	45	85	19	35	Brass	13200700
QJ 209 MA/C3	45	85	19	35	Brass	24004149
QJ 209 MA	45	85	19	35	Brass	23769221
QJ 209/C2	45	85	19	35	Steel	24004150
QJ 210 MA	50	90	20	35	Brass	23769222
QJ 210 MA/C3	50	90	20	35	Brass	23769223
QJ 210 N2MA/C2L	50	90	20	35	Brass	13530175
QJ 211 MA/C3	55	100	21	35	Brass	23769225
QJ 211 MA	55	100	21	35	Brass	23769224
QJ 211 N2MA/C2L	55	100	21	35	Brass	24004151
QJ 212 N2MA/C4B20	60	110	22	35	Brass	24004154
QJ 212 MA/C3	60	110	22	35	Brass	24004152
QJ 212 MA	60	110	22	35	Brass	23769226
QJ 212 N2MA/C3	60	110	22	35	Brass	24004153
QJ 212 MA/C2L	60	110	22	35	Brass	13530176
QJ 212 N2PHAS/C2L	60	110	22	35	Plastic	24004155

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
QJ 212	60	110	22	35	Steel	12176607
QJ 213 MA/C2L	65	120	23	35	Brass	13530177
QJ 213 MA	65	120	23	35	Brass	23769227
QJ 213 MA/C3	65	120	23	35	Brass	23769228
QJ 213 N2PHAS/C2L	65	120	23	35	Plastic	24004157
QJ 214 N2MA	70	125	24	35	Brass	23769230
QJ 214 MA/C3	70	125	24	35	Brass	23769229
QJ 214 N2MA/C3	70	125	24	35	Brass	13530178
QJ 214 N2MA/C4B20	70	125	24	35	Brass	24004158
QJ 214 N2PHAS/C2L	70	125	24	35	Plastic	24004159
QJ 215 N2MA/C4B20	75	130	25	35	Brass	23769232
QJ 215 MA/C2L	75	130	25	35	Brass	24004160
QJ 215 N2MA/C3	75	130	25	35	Brass	24004161
QJ 215 MA	75	130	25	35	Brass	23769231
QJ 215 N2PHAS/C2L	75	130	25	35	Plastic	24004162
QJ 216 MA/C2L	80	140	26	35	Brass	24004163
QJ 216 N2MA/C4B20	80	140	26	35	Brass	24004164
QJ 216 MA	80	140	26	35	Brass	23769233
QJ 216 N2MA/C3	80	140	26	35	Brass	13530179
QJ 216 N2MA	80	140	26	35	Brass	13511187
QJ 217 N2MA	85	150	28	35	Brass	13200701
QJ 217 MA	85	150	28	35	Brass	23769234
QJ 217 MA/C2L	85	150	28	35	Brass	24004165
QJ 217 N2MA/C3	85	150	28	35	Brass	24004166
QJ 218 N2MA/C4B20	90	160	30	35	Brass	23769236
QJ 218 N2MA	90	160	30	35	Brass	23769235
QJ 218 N2MA/C3	90	160	30	35	Brass	24004167
QJ 219 N2MA	95	170	32	35	Brass	23769237
QJ 219 N2MA/C3	95	170	32	35	Brass	12176608
QJ 219 N2MA/C4B20	95	170	32	35	Brass	12176609
QJ 219 N2PHAS/C2L	95	170	32	35	Plastic	12121306
QJ 220 N2MA/C4B20	100	180	34	35	Brass	23769239
QJ 220 N2MA/C3	100	180	34	35	Brass	12121307
QJ 220 N2MA	100	180	34	35	Brass	23769238
QJ 222 N2MA/C3	110	200	38	35	Brass	23769241
QJ 222 N2MA	110	200	38	35	Brass	23769240
QJ 222 N2MA/C4B20	110	200	38	35	Brass	23769242
QJ 224 N2MA/C4B20	120	215	40	35	Brass	24004169
QJ 224 N2MA	120	215	40	35	Brass	23769243
QJ 224 N2MA/C3	120	215	40	35	Brass	24004168
QJ 226 N2MA	130	230	40	35	Brass	23769244
QJ 226 N2MA/C3	130	230	40	35	Brass	24004170
QJ 226 N2MA/C4B20	130	230	40	35	Brass	23769245
QJ 228 N2MA/C3	140	250	42	35	Brass	24004171
QJ 228 N2MA/C4B20	140	250	42	35	Brass	23769247
QJ 228 N2MA	140	250	42	35	Brass	23769246
QJ 230 N2MA	150	270	45	35	Brass	23769248
QJ 230 N2MA/C3	150	270	45	35	Brass	23769249
QJ 232 N2MA	160	290	48	35	Brass	23769250
QJ 232 N2MA/C3	160	290	48	35	Brass	24004172
QJ 234 N2MA	170	310	52	35	Brass	24004173
QJ 234 N2MA/C3	170	310	52	35	Brass	24004174
QJ 236 N2MA	180	320	52	35	Brass	23769251

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
QJ 236 N2MA/C3	180	320	52	35	Brass	24004175
QJ 238 N2MA/C3	190	340	55	35	Brass	13530180
QJ 238 N2MA	190	340	55	35	Brass	12121308
QJ 240 N2MA/C3	200	360	58	35	Brass	13530182
QJ 240 N2MA	200	360	58	35	Brass	13530181

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