

# FAG QJ220-N2-MPA angular contact ball bearings

FAG QJ220-N2-MPA angular contact ball bearings Manufacturers , 80x55x13 Size (mm) Online 55 Outer Diameter (mm) Wholesale Suppliers !

Size (mm)	80x55x13
Bore Diameter (mm)	80
Outer Diameter (mm)	55
Width (mm)	13
d	55 mm
D	80 mm
B	13 mm
d1	62.75 mm
d2	60.7 mm
D1	72.3 mm
K	0.5 mm
C1	3.83 mm
r1,2 – min.	1 mm
r3,4 – min.	0.3 mm
a	16.2 mm
da – min.	59.6 mm
db – min.	57 mm
Da – max.	75.4 mm
Db – max.	78 mm
ra – max.	1 mm
rb – max.	0.3 mm
dn	64.6 mm

Basic dynamic load rating – C	15.3 kN
Basic static load rating – C0	10.6 kN
Fatigue load limit – Pu	0.455 kN
Limiting speed for grease lubrication	24000 r/min
Limiting speed for oil lubrication	36000 mm/min
Ball – Dw	7.938 mm
Ball – z	21
Gref	2.3 cm <sup>3</sup>
Calculation factor – f0	8.4
Preload class A – GA	83 N
Preload class B – GB	250 N
Preload class C – GC	500 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.04
Calculation factor – f2C	1.08
Calculation factor – fHC	1
Preload class A	42 N/micron
Preload class B	67 N/micron
Preload class C	92 N/micron
r1,2 min.	1 mm
r3,4 min.	0.3 mm
da min.	59.6 mm
db min.	57 mm
Da max.	75.4 mm
Db max.	78 mm
ra max.	1 mm
rb max.	0.3 mm
Basic dynamic load rating C	15.3 kN

Basic static load rating $C_0$	10.6 kN
Fatigue load limit $P_u$	0.455 kN
Attainable speed for grease lubrication	24000 r/min
Attainable speed for oil-air lubrication	36000 r/min
Ball diameter $D_w$	7.938 mm
Number of balls $z$	21
Reference grease quantity $G_{ref}$	2.3 cm <sup>3</sup>
Preload class A $G_A$	83 N
Static axial stiffness, preload class A	42 N/ $\mu$ m
Preload class B $G_B$	250 N
Static axial stiffness, preload class B	67 N/ $\mu$ m
Preload class C $G_C$	500 N
Static axial stiffness, preload class C	92 N/ $\mu$ m
Calculation factor $f$	1.16
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.08
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	8.4
Mass bearing	0.17 kg