

**FAG****QJ1044-N2-MPA**

Four-point contact bearing

Four point contact bearing QJ10..-N2-MPA,
holding grooves, solid brass cage

Technical information

**Your current product variant**

Design, bearing outer ring	N2	Two retaining grooves in the outer ring on one side
Tolerance class	PN	Normal (ISO 492:2023)
Cage	MPA	Solid brass cage, outer ring guided
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Axial internal clearance	CN	Group N (CN)

Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	340 mm	Outside diameter
B	56 mm	Width
C _r	440.000 N	Basic dynamic load rating, radial
C _{0r}	740.000 N	Basic static load rating, radial
C _{ur}	25.000 N	Fatigue load limit, radial
n _G	3.250 1/min	Limiting speed
n _{gr}	1.680 1/min	Reference speed
≈m	19,368 kg	Weight

Mounting dimensions

d _{a min}	232,4 mm	Minimum diameter shaft shoulder
D _{a max}	327,6 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum fillet radius



Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
D_1	298,54 mm	Shoulder diameter outer ring
d_1	262,3 mm	Shoulder diameter inner ring
a	196,1 mm	Distance between the apexes of the pressure cones
a_n	12,7 mm	Height retaining slot
b_n	10,5 mm	Width retaining slot
r_n	2 mm	Radius retaining slot
	45 °	Angle retaining slot
α	35 °	Contact angle

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed



Large bearing