

**FAG****QJ1244-N2-MPA-C3** [↗](#)

Four-point contact bearing

Four point contact bearing QJ12...-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
Cage	MPA	Solid brass cage, outer ring guided
Tolerance class	PN	Tolerance class PN, acc. to DIN 620
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Axial internal clearance	C3	Group 3 (C3), bigger than CN

Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	400 mm	Outside diameter
B	78 mm	Width
C_r	570.000 N	Basic dynamic load rating, radial
C_{0r}	980.000 N	Basic static load rating, radial
C_{ur}	32.000 N	Fatigue load limit, radial
n_G	2.850 1/min	Limiting speed
n_{gr}	1.600 1/min	Reference speed
$\approx m$	46,6 kg	Weight

Mounting dimensions

$d_{a \text{ min}}$	237 mm	Minimum diameter shaft shoulder
$D_{a \text{ max}}$	383 mm	Maximum diameter of housing shoulder
$r_{a \text{ max}}$	3 mm	Maximum fillet radius



Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
D_1	330,1 mm	Shoulder diameter outer ring
d_1	287,8 mm	Shoulder diameter inner ring
a	310 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	45 °	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