

**FAG****QJ219-N2-MPA-C3**

Four-point contact bearing

Four point contact bearing QJ2..-N2-MPA,  
holding grooves, solid brass cage

## Technical information

## Your current product variant

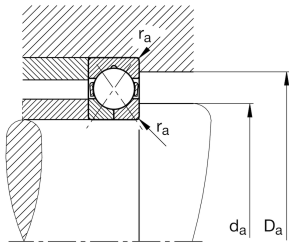
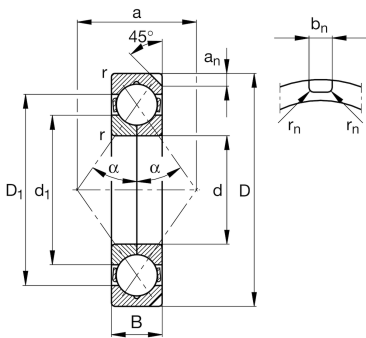
Design, bearing outer ring	N2	Two retaining grooves in the outer ring on one side
Tolerance class	PN	Normal (ISO 492:2023)
Cage	MPA	Solid brass cage, outer ring guided
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Axial internal clearance	C3	Group 3 (C3), bigger than CN

## Main Dimensions &amp; Performance Data

d	95 mm	Bore diameter
D	170 mm	Outside diameter
B	32 mm	Width
$C_r$	190.000 N	Basic dynamic load rating, radial
$C_{0r}$	212.000 N	Basic static load rating, radial
$C_{ur}$	10.400 N	Fatigue load limit, radial
$n_G$	7.000 1/min	Limiting speed
$n_{gr}$	3.700 1/min	Reference speed
$\approx m$	3,37 kg	Weight

## Mounting dimensions

$d_{a \min}$	107 mm	Minimum diameter shaft shoulder
$D_{a \max}$	158 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum fillet radius





## Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$D_1$	144,4 mm	Shoulder diameter outer ring
$d_1$	121,04 mm	Shoulder diameter inner ring
$a$	92,8 mm	Distance between the apexes of the pressure cones
$a_n$	8,1 mm	Hight retaining slot
$b_n$	6,5 mm	Width retaining slot
$r_n$	1 mm	Radius retaining slot
	45 °	Angle retaining slot
$\alpha$	35 °	Contact angle

## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

## Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed