

**FAG****QJ1072-N2-MPA-C3**

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
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 &amp; Performance Data

d	360 mm	Bore diameter
D	540 mm	Outside diameter
B	82 mm	Width
C <sub>r</sub>	780.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	1.730.000 N	Basic static load rating, radial
C <sub>ur</sub>	45.000 N	Fatigue load limit, radial
n <sub>G</sub>	1.980 1/min	Limiting speed
n <sub>gr</sub>	900 1/min	Reference speed
≈m	71,7 kg	Weight

## Mounting dimensions

d <sub>a min</sub>	378 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	522 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	4 mm	Maximum fillet radius



## Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
$D_1$	477 mm	Shoulder diameter outer ring
$d_1$	423,8 mm	Shoulder diameter inner ring
$a$	315,1 mm	Distance between the apexes of the pressure cones
$a_n$	15 mm	Height retaining slot
$b_n$	12,5 mm	Width retaining slot
$r_n$	2,5 mm	Radius retaining slot
	45 °	Angle retaining slot
$\alpha$	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