

**FAG****QJ216-XL-N2-MPA-C3**

Four-point contact bearing

Four point contact bearing QJ2.-XL-N2-MPA,  
X-life, holding grooves, solid brass cage**X-life**

## 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	80 mm	Bore diameter
D	140 mm	Outside diameter
B	26 mm	Width
$C_r$	136.000 N	Basic dynamic load rating, radial
$C_{0r}$	137.000 N	Basic static load rating, radial
$C_{ur}$	9.700 N	Fatigue load limit, radial
$n_G$	9.400 1/min	Limiting speed
$n_{gr}$	4.250 1/min	Reference speed
$\approx m$	1,728 kg	Weight



### Mounting dimensions

$d_{a \min}$	91 mm	Minimum diameter shaft shoulder
$D_{a \max}$	129 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$D_1$	119,55 mm	Shoulder diameter outer ring
$d_1$	100,86 mm	Shoulder diameter inner ring
$a$	77 mm	Distance between the apexes of the pressure cones
$a_n$	8,1 mm	Height 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