



FAG

QJ303-XL-MPA

Four-point contact bearing

Four point contact bearing QJ3..-XL-MPA, X-life, solid brass cage

X-life

Technical information



Your current product variant

Cage	MPA	Solid brass cage, outer ring guided
Tolerance class	PN	Tolerance class PN, acc. to DIN 620
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Axial internal clearance	CN	Group N (CN)

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
C _r	24.500 N	Basic dynamic load rating, radial
C _{0r}	15.100 N	Basic static load rating, radial
C _{ur}	1.130 N	Fatigue load limit, radial
n _G	32.500 1/min	Limiting speed
n _{gr}	12.000 1/min	Reference speed
m	0,14 kg	Weight

Mounting dimensions

d _{a min}	22,6 mm	Minimum diameter shaft shoulder
D _{a max}	41,4 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius



Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
D_1	37 mm	Shoulder diameter outer ring
d_1	27,3 mm	Shoulder diameter inner ring
a	22,4 mm	Distance between the apexes of the pressure cones
α	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