



FAG

QJ1016-XL-MPA

Four-point contact bearing

Four point contact ball bearing QJ10...-XL-MPA, X-life, solid brass cage

X-life

Technical information



Your current product variant

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	CN	Group N (CN)

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	125 mm	Outside diameter
B	22 mm	Width
C _r	85.000 N	Basic dynamic load rating, radial
C _{0r}	91.000 N	Basic static load rating, radial
C _{ur}	6.300 N	Fatigue load limit, radial
n _G	10.600 1/min	Limiting speed
n _{gr}	4.500 1/min	Reference speed
m	1,07 kg	Weight

Mounting dimensions

d _{a min}	86 mm	Minimum diameter shaft shoulder
D _{a max}	119 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius









Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
D_1	109,8 mm	Shoulder diameter outer ring
d_1	95,8 mm	Shoulder diameter inner ring
a	71,8 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