



FAG

QJ314-XL-MPA

Four-point contact bearing

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

X-life

Informacje techniczne



Twoja aktualna wersja produktu

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	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C _r	198.000 N	Basic dynamic load rating, radial
C _{0r}	165.000 N	Basic static load rating, radial
C _{ur}	11.800 N	Fatigue load limit, radial
n _G	8.900 1/min	Limiting speed
n _{gr}	4.200 1/min	Reference speed
≈m	3,136 kg	Masa

Mounting dimensions

d _{a min}	82 mm	Minimum diameter shaft shoulder
D _{a max}	138 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	123,6 mm	Shoulder diameter outer ring
d ₁	97,7 mm	Shoulder diameter inner ring
a	77 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.

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia