



FAG

QJ218-XL-N2-MPA-F59-C4

Four-point contact bearing

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

X-life

Informacje techniczne



Twoja aktualna wersja produktu

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	C4	Group 4 (C4), bigger than C3

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	30 mm	Width
C _r	181.000 N	Basic dynamic load rating, radial
C _{0r}	185.000 N	Basic static load rating, radial
C _{ur}	12.100 N	Fatigue load limit, radial
n _G	8.200 1/min	Limiting speed
n _{gr}	3.850 1/min	Reference speed
≈m	2,8 kg	Masa



Mounting dimensions

$d_{a\ min}$	101 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	149 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum fillet radius

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
D_1	136,1 mm	Shoulder diameter outer ring
d_1	114,3 mm	Shoulder diameter inner ring
a	87,5 mm	Distance between the apexes of the pressure cones
a_n	8,1 mm	Hight retaining slot
b_n	6,5 mm	Width retaining slot
r_n	1 mm	Radius retaining slot
	45 °	Angle retaining slot
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