



FAG

7309-B-XL-MP-UB

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-MP,
single row, X-life, solid brass cage



X-life

Informacje techniczne

Twoja aktualna wersja produktu

Design variant	B	B
Sealing	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Bearing with matched conditions for fitting in pairs	UB	Bearing set with smaller axial internal clearance than UA
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C _r	69.000 N	Basic dynamic load rating, radial
C _{0r}	43.000 N	Basic static load rating, radial
C _{ur}	3.000 N	Fatigue load limit, radial
n _G	12.100 1/min	Limiting speed
n _{gr}	6.500 1/min	Reference speed
≈m	0,92 kg	Masa



Mounting dimensions

$d_{a\ min}$	54 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	91 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	94,4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1,5 mm	Maximum fillet radius of shaft
$r_{a1\ max}$	1 mm	Maximum fillet radius of housing

Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$r_{1\ min}$	1 mm	Minimum chamfer dimension
D_1	79,8 mm	Shoulder diameter on outer ring wide side face
d_1	66,7 mm	Shoulder diameter on inner ring wide side face
a	42,9 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

Additional information

$Tol\ (+)$	8 μm	Tolerance for axial clearance or preload per set
$A_{\min}$	24 μm	Axial clearance per set min.

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia