



FAG

7322-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	PN	Normal (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	110 mm	Bore diameter
D	240 mm	Outside diameter
B	50 mm	Width
C _r	250.000 N	Basic dynamic load rating, radial
C _{0r}	245.000 N	Basic static load rating, radial
C _{ur}	12.800 N	Fatigue load limit, radial
n _G	4.700 1/min	Limiting speed
n _{gr}	3.150 1/min	Reference speed
≈m	10,995 kg	Masa



Mounting dimensions

$d_{a\ min}$	124 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	226 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	233 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,5 mm	Maximum fillet radius of shaft
$r_{a1\ max}$	1 mm	Maximum fillet radius of housing

Dimensions

$r_{\ min}$	3 mm	Minimum chamfer dimension
$r_{1\ min}$	1,1 mm	Minimum chamfer dimension
D_1	190,9 mm	Shoulder diameter on outer ring wide side face
d_1	162,34 mm	Shoulder diameter on inner ring wide side face
a	98,4 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 (+)	12 µm	Tolerance for axial clearance or preload per set
$A_{\ min}$	34 mm	Axial clearance per set min.

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia