



FAG



X-life

7307-B-XL-MP

Angular contact ball bearing

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

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°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C _r	45.500 N	Basic dynamic load rating, radial
C _{0r}	27.500 N	Basic static load rating, radial
C _{ur}	1.910 N	Fatigue load limit, radial
n _G	15.500 1/min	Limiting speed
n _{gr}	7.900 1/min	Reference speed
≈m	0,498 kg	Masa



Mounting dimensions

$d_{a\ min}$	44 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	71 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	74,4 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	63,02 mm	Shoulder diameter on outer ring wide side face
d_1	53,12 mm	Shoulder diameter on inner ring wide side face
a	34,6 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.

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia