

**FAG****7230-B-XL-MP-UB**

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-MP,
single row, X-life, solid brass cage**X-life**

Technical information



Your current product variant

Design variant	B	B
Type of Sealing	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
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	150 mm	Bore diameter
D	270 mm	Outside diameter
B	45 mm	Width
C _r	245.000 N	Basic dynamic load rating, radial
C _{0r}	275.000 N	Basic static load rating, radial
C _{ur}	13.200 N	Fatigue load limit, radial
n _G	4.100 1/min	Limiting speed
n _{gr}	2.850 1/min	Reference speed
≈m	11,2 kg	Weight



Mounting dimensions

$d_{a \min}$	164 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	256 mm	Maximum diameter of housing shoulder
$D_{b \max}$	263 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	223,5 mm	Shoulder diameter on outer ring wide side face
d_1	197,5 mm	Shoulder diameter on inner ring wide side face
a	110,6 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.

Additional information

A_{\min}	34 μm	Axial clearance per set min.
Tol (+)	12 μm	Tolerance for axial clearance or preload per set

Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed