

**FAG****7432-B-MPB**

Angular contact ball bearing

Angular contact ball bearing 74..-B-MPB,
single row, solid brass cage

Technical information



Your current product variant

Design variant	B	B
Sealing	Without	Not sealed
Cage	MPB	Solid brass cage, inner ring guided
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	160 mm	Bore diameter
D	400 mm	Outside diameter
B	88 mm	Width
C_r	465.000 N	Basic dynamic load rating, radial
C_{0r}	640.000 N	Basic static load rating, radial
C_{ur}	20.000 N	Fatigue load limit, radial
n_G	2.550 1/min	Limiting speed
n_{gr}	1.650 1/min	Reference speed
m	56,8 kg	Weight



Mounting dimensions

$d_{a \min}$	184 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	376 mm	Maximum diameter of housing shoulder
$D_{b \max}$	387 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	2 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	5 mm	Minimum chamfer dimension
$r_{1 \min}$	2 mm	Minimum chamfer dimension
D_1	307,15 mm	Shoulder diameter on outer ring wide side face
d_1	257,8 mm	Shoulder diameter on inner ring wide side face
a	161,5 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.

Characteristics

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