

**FAG****7221-B-XL-MP**

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	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	105 mm	Bore diameter
D	190 mm	Outside diameter
B	36 mm	Width
C _r	155.000 N	Basic dynamic load rating, radial
C _{0r}	142.000 N	Basic static load rating, radial
C _{ur}	8.100 N	Fatigue load limit, radial
n _G	6.000 1/min	Limiting speed
n _{gr}	4.100 1/min	Reference speed
m	4,235 kg	Weight



Mounting dimensions

$d_{a \min}$	117 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	178 mm	Maximum diameter of housing shoulder
$D_{b \max}$	183 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	2,1 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
D_1	157,7 mm	Shoulder diameter on outer ring wide side face
d_1	138,2 mm	Shoulder diameter on inner ring wide side face
a	79,9 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.

Characteristics

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