

**FAG****7234-B-MP-P5-UL**

Angular contact ball bearing

Angular contact ball bearing 72..-B-MP, single row, solid brass cage



Technical information



Your current product variant

Design variant	B	B
Type of Seal	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	P5	Class5 (P5), better than P6
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Bearing with matched conditions for fitting in pairs	UL	Bearing set with light preload
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	170 mm	Bore diameter
D	310 mm	Outside diameter
B	52 mm	Width
C _r	270.000 N	Basic dynamic load rating, radial
C _{0r}	355.000 N	Basic static load rating, radial
C _{ur}	11.900 N	Fatigue load limit, radial
n _G	3.250 1/min	Limiting speed
n _{gr}	2.440 1/min	Reference speed
≈m	17,3 kg	Weight



Mounting dimensions

$d_{a \min}$	187 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	293 mm	Maximum diameter of housing shoulder
$D_{b \max}$	301 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1,5 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
$r_{1 \min}$	1,5 mm	Minimum chamfer dimension
D_1	255,8 mm	Shoulder diameter on outer ring wide side face
d_1	227,38 mm	Shoulder diameter on inner ring wide side face
a	126,7 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

V_{\max}	-14 μm	Preload per set max.
Tol (+)	10 μm	Tolerance for axial clearance or preload per set
$F_{V \max}$	2.038 N	Preload force



Characteristics

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