

**FAG****71940-MP**

Angular contact ball bearing

Angular contact ball bearing 719...-MP, single row, solid brass cage



Technical information

**Your current product variant**

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°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	280 mm	Outside diameter
B	38 mm	Width
C_r	175.000 N	Basic dynamic load rating, radial
C_{0r}	226.000 N	Basic static load rating, radial
C_{ur}	8.400 N	Fatigue load limit, radial
n_G	3.450 1/min	Limiting speed
n_{gr}	2.340 1/min	Reference speed
$\approx m$	6,94 kg	Weight



Mounting dimensions

$d_{a \min}$	210,2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	269,8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	274 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	248 mm	Shoulder diameter on outer ring wide side face
d_1	231 mm	Shoulder diameter on inner ring wide side face
a	88,3 mm	Distance between the apexes of the pressure cones
α	30 °	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