28.02.2024, 13:23:06 UTC SCHAEFFLER



## 71940-MP

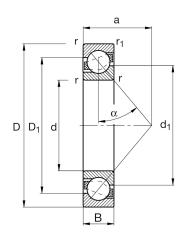
FAG

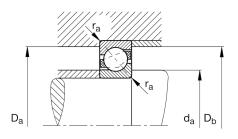
## Angular contact ball bearing

Schaeffler ID: 0387981070000

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

#### Technical information





## Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	280 mm	Outside diameter
В	38 mm	Width
C <sub>r</sub>	175,000 N	Basic dynamic load rating, radial
C or	226,000 N	Basic static load rating, radial
C ur	8,400 N	Fatigue load limit, radial
n <sub>G</sub>	3,450 1/min	Limiting speed
n <sub>ϑr</sub>	2,340 1/min	Reference speed
≈m	6.94 kg	Weight

#### **Mounting dimensions**

d <sub>a min</sub>	210.2 mm	Minimum diameter of shaft shoulder
D <sub>a max</sub>	269.8 mm	Maximum diameter of housing shoulder
D <sub>b max</sub>	274 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	2.1 mm	Maximum fillet radius of shaft
r <sub>a1 max</sub>	1 mm	Maximum fillet radius of housing

#### **Dimensions**

r <sub>min</sub>	2.1 mm	Minimum chamfer dimension
r <sub>1 min</sub>	1.1 mm	Minimum chamfer dimension
D <sub>1</sub>	248 mm	Shoulder diameter on outer ring wide side face
d <sub>1</sub>	231 mm	Shoulder diameter on inner ring wide side face
а	88.3 mm	Distance between the apexes of the pressure
		cones
α	30 °	Contact angle

# Temperature range

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.