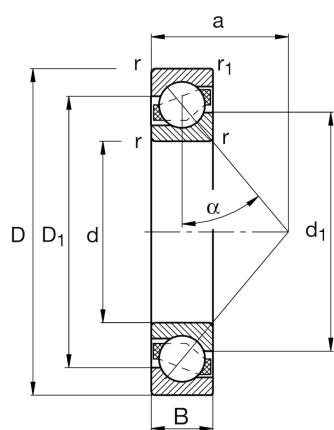


FAG**71940-MP**

Angular contact ball bearing

Schaeffler ID:
0387981070000Angular 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
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.

