

**FAG****71988-MPA-P5**

Angular contact ball bearing

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

Technical information



Your current product variant

Type of Sealing	Without	Not sealed
Cage	MPA	Solid brass cage, outer ring guided
Tolerance class	P5	Class5 (P5), better than P6
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	440 mm	Bore diameter
D	600 mm	Outside diameter
B	74 mm	Width
C _r	500.000 N	Basic dynamic load rating, radial
C _{0r}	990.000 N	Basic static load rating, radial
C _{ur}	25.500 N	Fatigue load limit, radial
n _G	1.510 1/min	Limiting speed
n _{gr}	920 1/min	Reference speed
≈m	56,9 kg	Weight



Mounting dimensions

$d_{a \min}$	454,6 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	585,4 mm	Maximum diameter of housing shoulder
$D_{b \max}$	593 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	541,65 mm	Shoulder diameter on outer ring wide side face
d_1	501,9 mm	Shoulder diameter on inner ring wide side face
a	187,1 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

-  F_r Radial load
-  F_a Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Large bearing