

**FAG****719/560-MP-P5-UL**

Angular contact ball bearing

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



Technical information



Your current product variant

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	560 mm	Bore diameter
D	750 mm	Outside diameter
B	85 mm	Width
C_r	650.000 N	Basic dynamic load rating, radial
C_{0r}	1.470.000 N	Basic static load rating, radial
C_{ur}	33.500 N	Fatigue load limit, radial
n_G	1.180 1/min	Limiting speed
n_{gr}	680 1/min	Reference speed
$\approx m$	101,6 kg	Weight



Mounting dimensions

$d_{a \min}$	578 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	732 mm	Maximum diameter of housing shoulder
$D_{b \max}$	741,2 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	2 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	5 mm	Minimum chamfer dimension
$r_{1 \min}$	2 mm	Minimum chamfer dimension
D_1	681 mm	Shoulder diameter on outer ring wide side face
d_1	632,2 mm	Shoulder diameter on inner ring wide side face
a	231,6 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.

Additional information

V_{\max}	-22 μm	Preload per set max.
Tol (+)	22 μm	Tolerance for axial clearance or preload per set
$F_{V \max}$	5.000 N	Preload force



Characteristics

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