

**FAG****718/1120-MPB**

Angular contact ball bearing

Angular contact ball bearing 718..-MPB,
single row, solid brass cage

Technical information



Your current product variant

Sealing	Without	Not sealed
Cage	MPB	Solid brass cage, inner ring guided
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	1.120 mm	Bore diameter
D	1.360 mm	Outside diameter
B	106 mm	Width
C_r	1.080.000 N	Basic dynamic load rating, radial
C_{0r}	3.500.000 N	Basic static load rating, radial
C_{ur}	56.000 N	Fatigue load limit, radial
n_G	610 1/min	Limiting speed
n_{gr}	290 1/min	Reference speed
$\approx m$	312 kg	Weight





Mounting dimensions

$d_{a \min}$	1.143 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	1.337 mm	Maximum diameter of housing shoulder
$D_{b \max}$	1.347,6 mm	Maximum diameter of housing shoulder
$r_{a \max}$	5 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	2,5 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	6 mm	Minimum chamfer dimension
$r_{1 \min}$	3 mm	Minimum chamfer dimension
D_1	1.273,5 mm	Shoulder diameter on outer ring wide side face
d_1	1.209,72 mm	Shoulder diameter on inner ring wide side face
a	411 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
-  Large bearing