

**FAG****718/1000-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	1.000 mm	Bore diameter
D	1.220 mm	Outside diameter
B	100 mm	Width
C _r	940.000 N	Basic dynamic load rating, radial
C _{0r}	2.850.000 N	Basic static load rating, radial
C _{ur}	50.000 N	Fatigue load limit, radial
n _G	690 1/min	Limiting speed
n _{gr}	340 1/min	Reference speed
≈m	242 kg	Weight



Mounting dimensions

$d_{a \min}$	1.023 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	1.197 mm	Maximum diameter of housing shoulder
$D_{b \max}$	1.207,6 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	1.139,75 mm	Shoulder diameter on outer ring wide side face
d_1	1.083,4 mm	Shoulder diameter on inner ring wide side face
a	370,4 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