

**FAG****7068-MP-P5-UO**

Angular contact ball bearing

Angular contact ball bearing 70..-MP, single row, solid brass cage



Technical information



Your current product variant

Sealing	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	P5	Class 5 (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Bearing with matched conditions for fitting in pairs	UO	Bearing set clearance-free in O or X arrangement
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	340 mm	Bore diameter
D	520 mm	Outside diameter
B	82 mm	Width
C_r	530.000 N	Basic dynamic load rating, radial
C_{0r}	1.040.000 N	Basic static load rating, radial
C_{ur}	26.000 N	Fatigue load limit, radial
n_G	1.780 1/min	Limiting speed
n_{gr}	1.160 1/min	Reference speed
$\approx m$	59,9 kg	Weight





Mounting dimensions

$d_{a \min}$	358 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	502 mm	Maximum diameter of housing shoulder
$D_{b \max}$	511,2 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	454,85 mm	Shoulder diameter on outer ring wide side face
d_1	409,2 mm	Shoulder diameter on inner ring wide side face
a	165,1 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.

Additional information

A_{\min}	0 μm	Axial clearance per set min.
Tol (+)	18 μm	Tolerance for axial clearance or preload per set



Characteristics

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