

**FAG****718/530-MP-P5**

Angular contact ball bearing

Angular contact ball bearing 718..-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°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	530 mm	Bore diameter
D	650 mm	Outside diameter
B	56 mm	Width
C_r	405.000 N	Basic dynamic load rating, radial
C_{0r}	840.000 N	Basic static load rating, radial
C_{ur}	20.400 N	Fatigue load limit, radial
n_G	1.360 1/min	Limiting speed
n_{gr}	730 1/min	Reference speed
$\approx m$	37,2 kg	Weight





Mounting dimensions

$d_{a \min}$	542,4 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	637,6 mm	Maximum diameter of housing shoulder
$D_{b \max}$	644 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
D_1	606,1 mm	Shoulder diameter on outer ring wide side face
d_1	576,5 mm	Shoulder diameter on inner ring wide side face
a	198,3 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