

**FAG****718/710-MPB-P5**

Angular contact ball bearing

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

Technical information



Your current product variant

Type of Sealing	Without	Not sealed
Cage	MPB	Solid brass cage, inner ring guided
Tolerance class	P5	Class5 (P5), better than P6
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	710 mm	Bore diameter
D	870 mm	Outside diameter
B	74 mm	Width
C_r	590.000 N	Basic dynamic load rating, radial
C_{0r}	1.460.000 N	Basic static load rating, radial
C_{ur}	30.000 N	Fatigue load limit, radial
n_G	1.000 1/min	Limiting speed
n_{gr}	520 1/min	Reference speed
$\approx m$	95 kg	Weight





Mounting dimensions

$d_{a \min}$	724,6 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	855,4 mm	Maximum diameter of housing shoulder
$D_{b \max}$	863 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1,5 mm	Maximum fillet radius of housing






Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
$r_{1 \min}$	1,5 mm	Minimum chamfer dimension
D_1	811,15 mm	Shoulder diameter on outer ring wide side face
d_1	771 mm	Shoulder diameter on inner ring wide side face
a	265,1 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.

Characteristics

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