

**FAG****71880-MP**

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	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Lubricant	Without	Bearing not greased

## Main Dimensions &amp; Performance Data

d	400 mm	Bore diameter
D	500 mm	Outside diameter
B	46 mm	Width
$C_r$	295.000 N	Basic dynamic load rating, radial
$C_{0r}$	530.000 N	Basic static load rating, radial
$C_{ur}$	14.300 N	Fatigue load limit, radial
$n_G$	1.820 1/min	Limiting speed
$n_{gr}$	1.020 1/min	Reference speed
$\approx m$	20,4 kg	Weight



### Mounting dimensions

$d_{a \min}$	410,2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	489,8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	494 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1 mm	Maximum fillet radius of housing

### Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
$D_1$	463,35 mm	Shoulder diameter on outer ring wide side face
$d_1$	438,9 mm	Shoulder diameter on inner ring wide side face
$a$	152,9 mm	Distance between the apexes of the pressure cones
$\alpha$	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