

**FAG****718/500-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 &amp; Performance Data

d	500 mm	Bore diameter
D	620 mm	Outside diameter
B	56 mm	Width
$C_r$	390.000 N	Basic dynamic load rating, radial
$C_{0r}$	790.000 N	Basic static load rating, radial
$C_{ur}$	19.700 N	Fatigue load limit, radial
$n_G$	1.440 1/min	Limiting speed
$n_{gr}$	790 1/min	Reference speed
$\approx m$	35,1 kg	Weight



### Mounting dimensions

$d_{a \min}$	512,4 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	607,6 mm	Maximum diameter of housing shoulder
$D_{b \max}$	614 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
$D_1$	576,15 mm	Shoulder diameter on outer ring wide side face
$d_1$	546,5 mm	Shoulder diameter on inner ring wide side face
$a$	189,7 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

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