

**FAG****71868-MP-P5-UL**

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°
Bearing with matched conditions for fitting in pairs	UL	Bearing set with light preload
Lubricant	Without	Bearing not greased

## Main Dimensions &amp; Performance Data

d	340 mm	Bore diameter
D	420 mm	Outside diameter
B	38 mm	Width
$C_r$	214.000 N	Basic dynamic load rating, radial
$C_{0r}$	350.000 N	Basic static load rating, radial
$C_{ur}$	10.500 N	Fatigue load limit, radial
$n_G$	2.190 1/min	Limiting speed
$n_{gr}$	1.240 1/min	Reference speed
$\approx m$	11 kg	Weight



### Mounting dimensions

$d_{a \min}$	350,2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	409,8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	414 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
$D_1$	390,7 mm	Shoulder diameter on outer ring wide side face
$d_1$	370,9 mm	Shoulder diameter on inner ring wide side face
$a$	128,7 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.

### Additional information

$V_{\max}$	-10 $\mu\text{m}$	Preload per set max.
Tol (+)	18 $\mu\text{m}$	Tolerance for axial clearance or preload per set
$F_{V \max}$	1.631 N	Preload force



### Characteristics

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