

**FAG****7084-MP-UA**

Angular contact ball bearing

Angular contact ball bearing 70..-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°
Bearing with matched conditions for fitting in pairs	UA	Bearing set with small axial internal clearance
Lubricant	Without	Bearing not greased

**Main Dimensions & Performance Data**

d	420 mm	Bore diameter
D	620 mm	Outside diameter
B	90 mm	Width
$C_r$	620.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.350.000 N	Basic static load rating, radial
$C_{ur}$	31.000 N	Fatigue load limit, radial
$n_G$	1.460 1/min	Limiting speed
$n_{gr}$	910 1/min	Reference speed
$\approx m$	88,4 kg	Weight



### Mounting dimensions

$d_{a \min}$	438 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	602 mm	Maximum diameter of housing shoulder
$D_{b \max}$	611,2 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	2 mm	Maximum fillet radius of housing

### Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
$r_{1 \min}$	2 mm	Minimum chamfer dimension
$D_1$	547,6 mm	Shoulder diameter on outer ring wide side face
$d_1$	496,75 mm	Shoulder diameter on inner ring wide side face
$a$	195,1 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

$A_{\min}$	196 $\mu\text{m}$	Axial clearance per set min.
Tol (+)	20 $\mu\text{m}$	Tolerance for axial clearance or preload per set



### Characteristics

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