

**FAG****7240-B-MP**

Angular contact ball bearing

Angular contact ball bearing 72..-B-MP, single row, solid brass cage



## Technical information



## Your current product variant

Design variant	B	B
Type of Sealing	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Lubricant	Without	Bearing not greased

## Main Dimensions &amp; Performance Data

d	200 mm	Bore diameter
D	360 mm	Outside diameter
B	58 mm	Width
$C_r$	325.000 N	Basic dynamic load rating, radial
$C_{0r}$	480.000 N	Basic static load rating, radial
$C_{ur}$	14.900 N	Fatigue load limit, radial
$n_G$	2.750 1/min	Limiting speed
$n_{gr}$	1.990 1/min	Reference speed
$\approx m$	25,949 kg	Weight



### Mounting dimensions

$d_{a \min}$	217 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	343 mm	Maximum diameter of housing shoulder
$D_{b \max}$	351 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
$D_1$	297,65 mm	Shoulder diameter on outer ring wide side face
$d_1$	265,95 mm	Shoulder diameter on inner ring wide side face
$a$	146,5 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	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