

**FAG****718/850-MPB**

Angular contact ball bearing

Angular contact ball bearing 718..-MPB,  
single row, solid brass cage

## Technical information



## Your current product variant

Sealing	Without	Not sealed
Cage	MPB	Solid brass cage, inner ring 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	850 mm	Bore diameter
D	1.030 mm	Outside diameter
B	82 mm	Width
$C_r$	710.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.940.000 N	Basic static load rating, radial
$C_{ur}$	37.500 N	Fatigue load limit, radial
$n_G$	830 1/min	Limiting speed
$n_{gr}$	415 1/min	Reference speed
$\approx m$	139 kg	Weight





### Mounting dimensions

$d_{a \min}$	868 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	1.012 mm	Maximum diameter of housing shoulder
$D_{b \max}$	1.021,2 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
$D_1$	964,3 mm	Shoulder diameter on outer ring wide side face
$d_1$	913 mm	Shoulder diameter on inner ring wide side face
$a$	312,4 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