



FAG

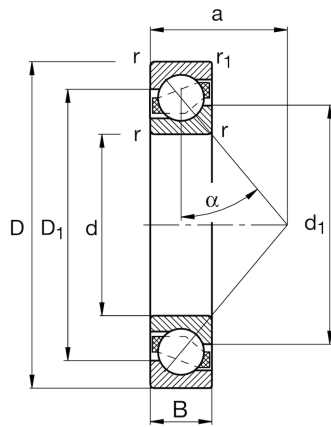
**7308-B-XL-MP**

Angular contact ball bearing

Schaeffler ID:  
0191171750000Angular contact ball bearing 73..-B-XL-MP,  
single row, X-life, solid brass cage

X-life

## Technical information

**Main Dimensions & Performance Data**

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
$C_r$	57,000 N	Basic dynamic load rating, radial
$C_{0r}$	34,500 N	Basic static load rating, radial
$C_{ur}$	2,390 N	Fatigue load limit, radial
$n_G$	13,500 1/min	Limiting speed
$n_{gr}$	7,100 1/min	Reference speed
	0.68 kg	Weight

**Dimensions**

$r_{min}$	1.5 mm	Minimum chamfer dimension
$r_{1 min}$	1 mm	Minimum chamfer dimension
$D_1$	71.3 mm	Shoulder diameter on outer ring wide side face
$d_1$	59.99 mm	Shoulder diameter on inner ring wide side face
a	39 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle

**Mounting dimensions**

$d_{a min}$	49 mm	Minimum diameter of shaft shoulder
$D_{a max}$	81 mm	Maximum diameter of housing shoulder
$D_{b max}$	84.4 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a max}$	1.5 mm	Maximum fillet radius of shaft
$r_{a1 max}$	1 mm	Maximum fillet radius of housing

**Temperature range**

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	150 °C	Operating temperature max.

