



FAG

## ★ 7311-B-XL-MP

Angular contact ball bearing

Schaeffler ID:  
0167261110000Angular contact ball bearing 73..-B-XL-MP,  
single row, X-life, solid brass cage

★ Preferred product

X-life

## Technical information



## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.
	1,53 kg	Weight

## Main Dimensions &amp; Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
$C_r$	91.000 N	Basic dynamic load rating, radial
$C_{0r}$	61.000 N	Basic static load rating, radial
$C_{ur}$	4.250 N	Fatigue load limit, radial
$n_G$	10.000 1/min	Limiting speed
$n_{gr}$	5.600 1/min	Reference speed

## Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$r_{1\min}$	1 mm	Minimum chamfer dimension
$D_1$	95,3 mm	Shoulder diameter on outer ring wide side face
$d_1$	80,3 mm	Shoulder diameter on inner ring wide side face
a	51 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle

## Mounting dimensions

$d_{a\min}$	66 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	109 mm	Maximum diameter of housing shoulder
$D_{b\max}$	114,4 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a\max}$	2 mm	Maximum fillet radius of shaft
$r_{a1\max}$	1 mm	Maximum fillet radius of housing

