



FAG

## ★ 7209-B-XL-JP

Angular contact ball bearing

Schaeffler ID:  
0167252040000Angular contact ball bearing 72..-B-XL-JP,  
single row, X-life, steel sheet metal cage

★ Preferred product

X-life

## Technical information



## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.
	0,428 kg	Weight

## Main Dimensions &amp; Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
$C_r$	40.000 N	Basic dynamic load rating, radial
$C_{0r}$	27.000 N	Basic static load rating, radial
$C_{ur}$	1.870 N	Fatigue load limit, radial
$n_G$	11.000 1/min	Limiting speed
$n_{gr}$	8.000 1/min	Reference speed

## Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$r_{1\min}$	0,6 mm	Minimum chamfer dimension
$D_1$	69,8 mm	Shoulder diameter on outer ring wide side face
$d_1$	61,2 mm	Shoulder diameter on inner ring wide side face
a	37 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle

## Mounting dimensions

$d_{a\min}$	52 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	78 mm	Maximum diameter of housing shoulder
$D_{b\max}$	80,8 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a\max}$	1 mm	Maximum fillet radius of shaft
$r_{a1\max}$	0,6 mm	Maximum fillet radius of housing

