



FAG

**7301-B-XL-JP**

Angular contact ball bearing

Schaeffler ID:  
0167257780000Angular contact ball bearing 73..-B-XL-JP,  
single row, X-life, steel sheet metal cage

X-life

## Technical information

**Main Dimensions & Performance Data**

d	12 mm	Bore diameter
D	37 mm	Outside diameter
B	12 mm	Width
$C_r$	12,200 N	Basic dynamic load rating, radial
$C_{0r}$	5,300 N	Basic static load rating, radial
$C_{ur}$	365 N	Fatigue load limit, radial
$n_G$	28,000 1/min	Limiting speed
$n_{gr}$	16,300 1/min	Reference speed
	0.063 kg	Weight

**Dimensions**

$r_{min}$	1 mm	Minimum chamfer dimension
$r_{1 min}$	0.6 mm	Minimum chamfer dimension
$D_1$	27.2 mm	Shoulder diameter on outer ring wide side face
$d_1$	22.3 mm	Shoulder diameter on inner ring wide side face
a	16 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle

**Mounting dimensions**

$d_{a min}$	17.6 mm	Minimum diameter of shaft shoulder
$D_{a max}$	31.4 mm	Maximum diameter of housing shoulder
$D_{b max}$	32.8 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

**Temperature range**

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

