



FAG

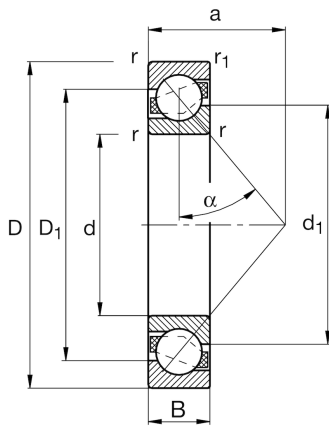
7200-B-XL-JP

Angular contact ball bearing

Schaeffler ID:
0167249250000Angular contact ball bearings 72...-B, main
dimensions to DIN 628-1, contact angle α
= 40°

X-life

Technical information

**Main Dimensions & Performance Data**

d	10 mm	Bore diameter
D	30 mm	Outside diameter
B	9 mm	Width
C_r	5.600 N	Basic dynamic load rating, radial
C_{0r}	2.600 N	Basic static load rating, radial
C_{ur}	179 N	Fatigue load limit, radial
n_G	37.500 1/min	Limiting speed
n_{gr}	22.600 1/min	Reference speed
	0,033 kg	Weight

Dimensions

r_{min}	0,6 mm	Minimum chamfer dimension
$r_{1 min}$	0,3 mm	Minimum chamfer dimension
D_1	22 mm	Shoulder diameter on outer ring wide side face
d_1	18,3 mm	Shoulder diameter on inner ring wide side face
a	13 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a min}$	14,2 mm	Minimum diameter of shaft shoulder
$D_{a max}$	25,8 mm	Maximum diameter of housing shoulder
$D_{b max}$	27,6 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a max}$	0,6 mm	Maximum fillet radius of shaft
$r_{a1 max}$	0,3 mm	Maximum fillet radius of housing

Temperature range

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

