



FAG

7205-B-XL-JP

Angular contact ball bearing

Schaeffler ID:
0191145160000Angular contact ball bearing 72..-B-XL-JP,
single row, X-life, steel sheet metal cage

X-life

Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C_r	16,200 N	Basic dynamic load rating, radial
C_{0r}	9,000 N	Basic static load rating, radial
C_{ur}	620 N	Fatigue load limit, radial
n_G	19,200 1/min	Limiting speed
n_{gr}	13,700 1/min	Reference speed
	0.001 kg	Weight

Dimensions

r_{min}	1 mm	Minimum chamfer dimension
$r_{1 min}$	0.6 mm	Minimum chamfer dimension
D_1	42 mm	Shoulder diameter on outer ring wide side face
d_1	35.5 mm	Shoulder diameter on inner ring wide side face
a	24 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a min}$	30.6 mm	Minimum diameter of shaft shoulder
$D_{a max}$	46.4 mm	Maximum diameter of housing shoulder
$D_{b max}$	47.8 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.

