

FAG

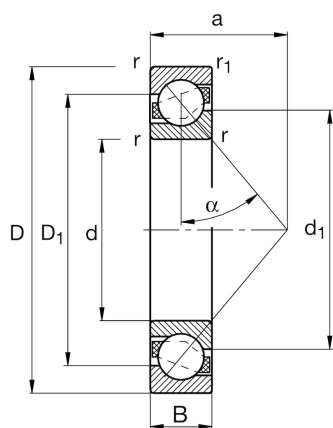
7203-B-XL-JP

Angular contact ball bearing

Schaeffler ID:
0191143890000Angular contact ball bearing 72..-B-XL-JP,
single row, X-life, steel sheet metal cage

X-life

Technical information



Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B	12 mm	Width
C_r	11,200 N	Basic dynamic load rating, radial
C_{0r}	5,700 N	Basic static load rating, radial
C_{ur}	395 N	Fatigue load limit, radial
n_G	26,000 1/min	Limiting speed
n_{gr}	17,100 1/min	Reference speed
$\approx m$	0.066 kg	Weight

Mounting dimensions

$d_{a \min}$	21.2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	35.8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	37.6 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0.6 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	0.3 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	0.6 mm	Minimum chamfer dimension
$r_{1 \min}$	0.3 mm	Minimum chamfer dimension
D_1	31.46 mm	Shoulder diameter on outer ring wide side face
d_1	25.99 mm	Shoulder diameter on inner ring wide side face
a	18 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

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

