

FAG

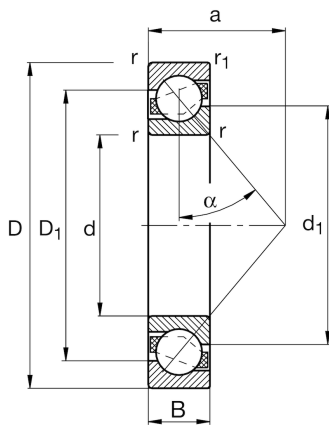
7203-B-XL-MP-UA

Angular contact ball bearing

Schaeffler ID:
0167249760000Angular contact ball bearing 72..-B-XL-MP,
single row, X-life, solid brass 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	10.500 N	Basic dynamic load rating, radial
C_{0r}	5.100 N	Basic static load rating, radial
C_{ur}	355 N	Fatigue load limit, radial
n_G	33.500 1/min	Limiting speed
n_{gr}	17.300 1/min	Reference speed
	0,07 kg	{Weight}

Mounting dimensions

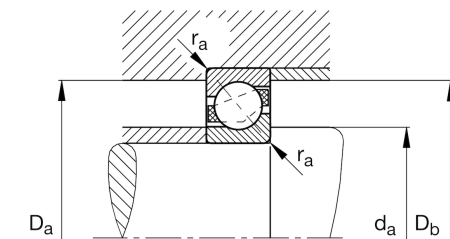
$d_{a \min}$	21,2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	35,8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	37,6 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,6 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	0,6 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	0,6 mm	Minimum chamfer dimension
$r_{1 \min}$	0,3 mm	Minimum chamfer dimension
D_1	31,5 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.



Additional information

A _{min}	24 μm	Axial clearance per set min.
Tol (+)	8 μm	Tolerance for axial clearance or preload per set