

FAG

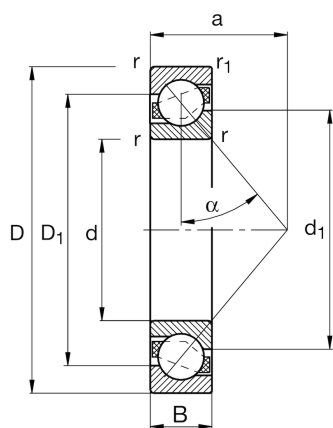
7304-B-XL-JP

Angular contact ball bearing

Schaeffler ID:
0191166830000Angular contact ball bearing 73..-B-XL-JP,
single row, X-life, steel sheet metal cage

X-life

Technical information



Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C_r	21.700 N	Basic dynamic load rating, radial
C_{0r}	11.100 N	Basic static load rating, radial
C_{ur}	770 N	Fatigue load limit, radial
n_G	19.300 1/min	Limiting speed
n_{gr}	11.500 1/min	Reference speed
	0,152 kg	Weight

Additional information

r_{min}	1,1 mm	Minimum chamfer dimension
$r_{1 min}$	0,6 mm	Minimum chamfer dimension
D_1	39,7 mm	Shoulder diameter on outer ring wide side face
d_1	33 mm	Shoulder diameter on inner ring wide side face
a	23 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a min}$	27 mm	Minimum diameter of shaft shoulder
$D_{a max}$	45 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.

