



FAG

★ 7311-B-XL-JP

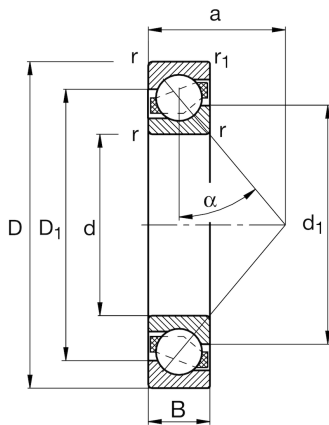
Angular contact ball bearing

Schaeffler ID:
0191174770000Angular contact ball bearing 73..-B-XL-JP,
single row, X-life, steel sheet metal cage

★ Preferred product

X-life

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.
	1,41 kg	Weight

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
C_r	91.000 N	Basic dynamic load rating, radial
C_{0r}	61.000 N	Basic static load rating, radial
C_{ur}	4.250 N	Fatigue load limit, radial
n_G	7.700 1/min	Limiting speed
n_{gr}	5.600 1/min	Reference speed

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
$r_{1\min}$	1 mm	Minimum chamfer dimension
D_1	95,3 mm	Shoulder diameter on outer ring wide side face
d_1	80,3 mm	Shoulder diameter on inner ring wide side face
a	51 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a\min}$	66 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	109 mm	Maximum diameter of housing shoulder
$D_{b\max}$	114,4 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a\max}$	2 mm	Maximum fillet radius of shaft
$r_{a1\max}$	1 mm	Maximum fillet radius of housing

