

FAG

7311-B-XL-JP

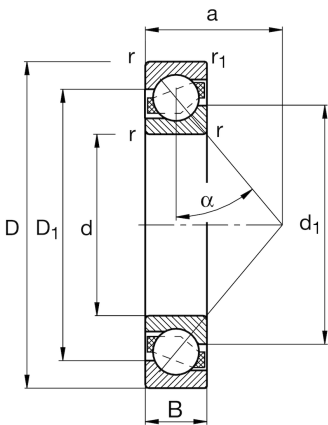
Angular contact ball bearing

Schaeffler ID:
0191174770000

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

X-life

Technical information



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
	1,41 kg	Weight

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

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.