

FAG

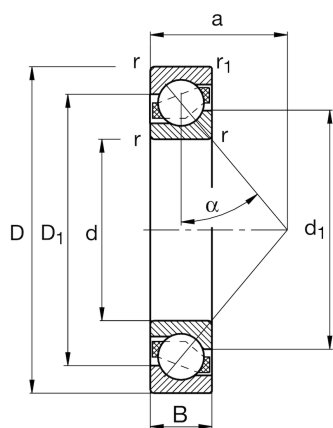
7307-B-XL-JP

Angular contact ball bearing

Schaeffler ID:
0191170270000Angular contact ball bearing 73..-B-XL-JP,
single row, X-life, steel sheet metal cage

X-life

Technical information



Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C_r	45,500 N	Basic dynamic load rating, radial
C_{0r}	27,500 N	Basic static load rating, radial
C_{ur}	1,910 N	Fatigue load limit, radial
n_G	11,900 1/min	Limiting speed
n_{gr}	7,900 1/min	Reference speed
	0.46 kg	Weight

Dimensions

r_{min}	1.5 mm	Minimum chamfer dimension
r_{1min}	1 mm	Minimum chamfer dimension
D_1	63 mm	Shoulder diameter on outer ring wide side face
d_1	53.1 mm	Shoulder diameter on inner ring wide side face
a	35 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

d_{amin}	44 mm	Minimum diameter of shaft shoulder
D_{amax}	71 mm	Maximum diameter of housing shoulder
D_{bmax}	74.4 mm	Maximaler Durchmesser der Gehäuseschulter
r_{amax}	1.5 mm	Maximum fillet radius of shaft
r_{a1max}	1 mm	Maximum fillet radius of housing

Temperature range

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

