

FAG

★ 7310-B-XL-JP

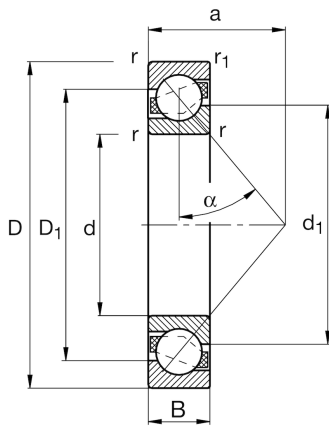
Angular contact ball bearing

Schaeffler ID:
0191173700000Angular 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.
	1,1 kg	Weight

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C_r	75.000 N	Basic dynamic load rating, radial
C_{0r}	50.000 N	Basic static load rating, radial
C_{ur}	3.500 N	Fatigue load limit, radial
n_G	7.600 1/min	Limiting speed
n_{gr}	6.100 1/min	Reference speed

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
$r_{1\min}$	1 mm	Minimum chamfer dimension
D_1	87,6 mm	Shoulder diameter on outer ring wide side face
d_1	73,1 mm	Shoulder diameter on inner ring wide side face
a	47 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a\min}$	61 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	99 mm	Maximum diameter of housing shoulder
$D_{b\max}$	104,4 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

