



FAG

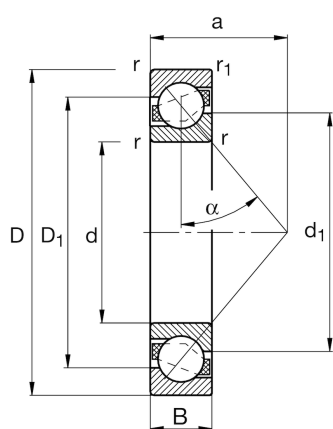
7312-B-XL-TVP

Angular contact ball bearing

Schaeffler ID:
0167261970000Angular contact ball bearing 73..-B-XL-
TVP, single row, X-life, plastic cage

X-life

Technical information



Dimensions

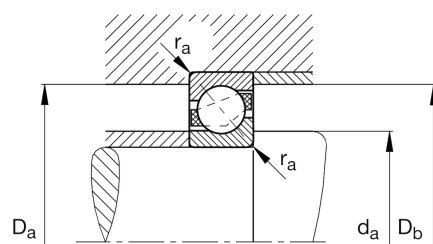
r_{\min}	2,1 mm	Minimum chamfer dimension
$r_{1\min}$	1,1 mm	Minimum chamfer dimension
D_1	103,4 mm	Shoulder diameter on outer ring wide side face
d_1	87,3 mm	Shoulder diameter on inner ring wide side face
a	55 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle
	1,71 kg	Weight

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	130 mm	Outside diameter
B	31 mm	Width
C_r	96.000 N	Basic dynamic load rating, radial
C_{0r}	69.000 N	Basic static load rating, radial
C_{ur}	4.750 N	Fatigue load limit, radial
n_G	7.000 1/min	Limiting speed
n_{gr}	5.300 1/min	Reference speed

Mounting dimensions

$d_{a\min}$	72 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	118 mm	Maximum diameter of housing shoulder
$D_{b\max}$	123 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a\max}$	2,1 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}	120 °C	Operating temperature max.