

FAG

★ 7307-B-XL-TVP

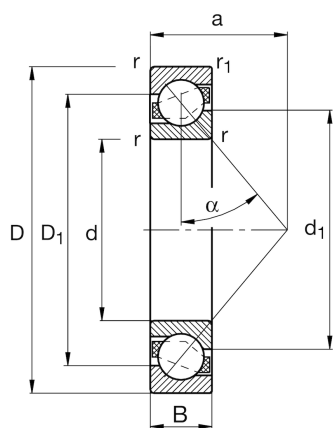
Angular contact ball bearing

Schaeffler ID:
0167259640000Angular contact ball bearing 73..-B-XL-
TVP, single row, X-life, plastic cage

★ Preferred product

X-life

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	0,466 kg	Weight

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

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
$r_{1\min}$	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

$d_{a\min}$	44 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	71 mm	Maximum diameter of housing shoulder
$D_{b\max}$	74,4 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a\max}$	1,5 mm	Maximum fillet radius of shaft
$r_{a1\max}$	1 mm	Maximum fillet radius of housing

