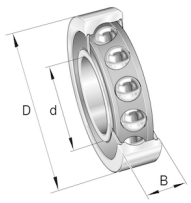


FAG

7307-B-XL-2RS-TVP

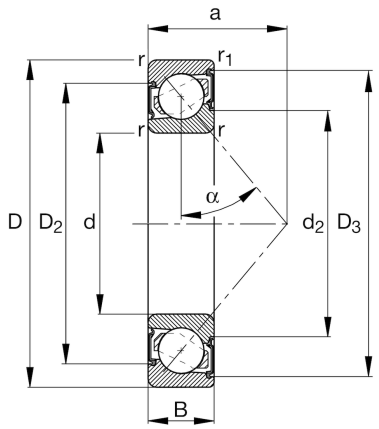
Angular contact ball bearing

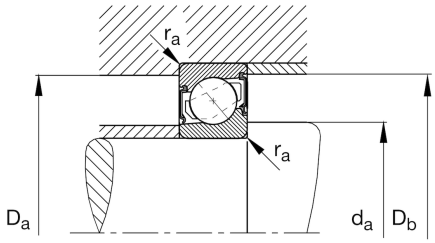
Schaeffler ID:
0707784340000

Angular contact ball bearing 73..-B-XL-2RS-TVP, single row, X-life, seals, plastic 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	5.300 1/min	Limiting speed
	0,474 kg	Weight

Additional information

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_2	65,6 mm	Caliber diameter on outer ring wide side face
D_3	73,9 mm	Caliber diameter on outer ring small side face
d_1	53,1 mm	Shoulder diameter on inner ring wide side face
d_2	48,7 mm	Caliber 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

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Temperature range

T_{min}	-20 °C	Operating temperature min.
T_{max}	100 °C	Operating temperature max.

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