



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

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
	0.466 kg	Weight

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

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

