

FAG**3307-BD-XL-TVH**

Angular contact ball bearing

Schaeffler ID:
0637396150000

Angular contact ball bearing 33..-BD-XL-TVH, double row, X-life, plastic cage

X-life

Technical information

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	34,9 mm	Width
C _r	55.000 N	Basic dynamic load rating, radial
C _{0r}	36.500 N	Basic static load rating, radial
C _{ur}	2.550 N	Fatigue load limit, radial
n _G	9.000 1/min	Limiting speed
n _{gr}	8.100 1/min	Reference speed
	0,7 kg	Weight

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₁	68,9 mm	Shoulder diameter outer ring
d ₁	51,8 mm	Shoulder diameter inner ring
a	48 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Mounting dimensions

d _{a min}	44 mm	Minimum diameter shaft shoulder
D _{a max}	71 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius

Temperature range

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