

FAG**3309-BD-XL-2HRS-TVH**

Angular contact ball bearing

Schaeffler ID:
0631320010000Angular contact ball bearing 33.-BD-
XL-2HRS-TVH, double row, X-life, seals,
plastic cage**X-life**

Technical information

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	39,7 mm	Width
C _r	72.000 N	Basic dynamic load rating, radial
C _{0r}	54.000 N	Basic static load rating, radial
C _{ur}	3.700 N	Fatigue load limit, radial
n _G	5.500 1/min	Limiting speed
	1,34 kg	Weight

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₂	87,3 mm	Caliber diameter outer ring
d ₂	63,3 mm	Caliber diameter inner ring
a	57,8 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Mounting dimensions

d _{a min}	54 mm	Minimum diameter shaft shoulder
D _{a max}	91 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius

Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	110 °C	Operating temperature max.