

FAG

3305-BD-XL-2HRS-TVH

Angular contact ball bearing

Schaeffler ID:
0624943090000

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

X-life

Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	25.4 mm	Width
C_r	31,500 N	Basic dynamic load rating, radial
C_{0r}	21,000 N	Basic static load rating, radial
C_{ur}	1,460 N	Fatigue load limit, radial
n_G	9,300 1/min	Limiting speed
	0.352 kg	Weight

Mounting dimensions

$d_{a \min}$	32 mm	Minimum diameter shaft shoulder
$D_{a \max}$	55 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1.1 mm	Minimum chamfer dimension
D_2	53.7 mm	Caliber diameter outer ring
d_2	37.6 mm	Caliber diameter inner ring
a	35.4 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

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