

FAG

3304-BD-XL-2HRS-TVH-C3

Angular contact ball bearing

Schaeffler ID:
0641550050030

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	20 mm	Bore diameter
D	52 mm	Outside diameter
B	22.2 mm	Width
C_r	24,600 N	Basic dynamic load rating, radial
C_{0r}	15,900 N	Basic static load rating, radial
C_{ur}	1,100 N	Fatigue load limit, radial
n_G	11,000 1/min	Limiting speed
	0.217 kg	Weight

Mounting dimensions

$d_{a \min}$	27 mm	Minimum diameter shaft shoulder
$D_{a \max}$	45 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	46.1 mm	Caliber diameter outer ring
d_2	31.9 mm	Caliber diameter inner ring
a	30.4 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.