

FAG

3303-BD-XL-2HRS-TVH

Angular contact ball bearing

Schaeffler ID:
0641572610000

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	17 mm	Bore diameter
D	47 mm	Outside diameter
B	22.2 mm	Width
C_r	22,500 N	Basic dynamic load rating, radial
C_{0r}	13,100 N	Basic static load rating, radial
C_{ur}	910 N	Fatigue load limit, radial
n_G	12,400 1/min	Limiting speed
	0.178 kg	Weight

Mounting dimensions

$d_{a \min}$	22.6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	41.4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
D_2	41.1 mm	Caliber diameter outer ring
d_2	27.1 mm	Caliber diameter inner ring
a	27.5 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.