

FAG

3210-BD-XL-TVH

Angular contact ball bearing

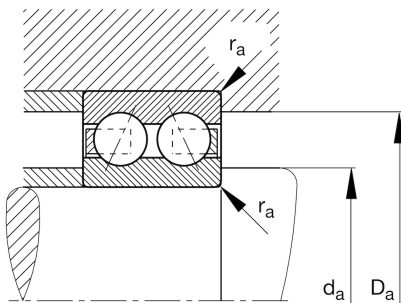
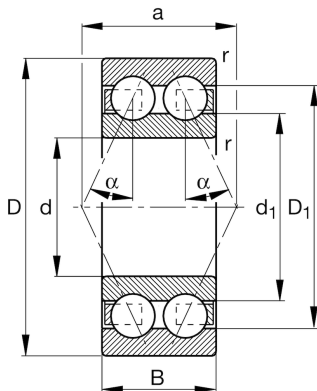
Schaeffler ID:
0615503020000

Angular contact ball bearing 32..-BD-XL-TVH, double row, X-life, plastic cage



X-life

Technical information



Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	30.2 mm	Width
C_r	53,000 N	Basic dynamic load rating, radial
C_{0r}	44,000 N	Basic static load rating, radial
C_{ur}	3,050 N	Fatigue load limit, radial
n_G	7,800 1/min	Limiting speed
n_{gr}	7,600 1/min	Reference speed
	0.653 kg	Weight

Mounting dimensions

$d_{a \min}$	57 mm	Minimum diameter shaft shoulder
$D_{a \max}$	83 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1.1 mm	Minimum chamfer dimension
D_1	80.1 mm	Shoulder diameter outer ring
d_1	64.9 mm	Shoulder diameter inner ring
a	53.2 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.