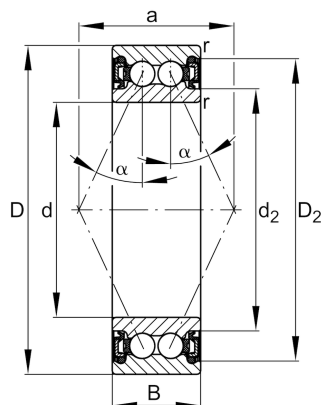
**3003-2Z**

Angular contact ball bearing

Schaeffler ID:
0008705100000Angular contact ball bearing 30..-B-2RZ-
TVH, double row, shields, plastic cage

Technical information

**Main Dimensions & Performance Data**

d	17 mm	Bore diameter
D	35 mm	Outside diameter
B	14 mm	Width
C_r	9,100 N	Basic dynamic load rating, radial
C_{0r}	6,100 N	Basic static load rating, radial
C_{ur}	315 N	Fatigue load limit, radial
n_G	16,800 1/min	Limiting speed
n_{gr}	15,300 1/min	Reference speed
	0.057 kg	Weight

Dimensions

r_{min}	0.3 mm	Minimum chamfer dimension
D_2	29.8 mm	Caliber diameter outer ring
d_2	21 mm	Caliber diameter inner ring
a	17.1 mm	Distance between the apexes of the pressure cones
α	25 °	Contact angle

Mounting dimensions

$d_{a min}$	19 mm	Minimum diameter shaft shoulder
$D_{a max}$	33 mm	Maximum diameter of housing shoulder
$r_{a max}$	0.3 mm	Maximum fillet radius

Temperature range

T_{min}	-20 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

