



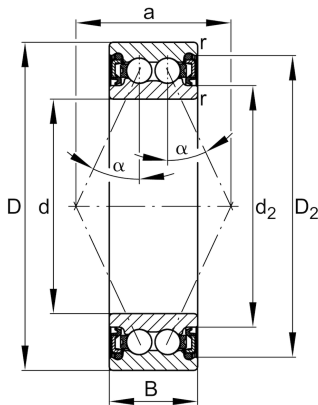
3001-2Z

Angular contact ball bearing

Schaeffler ID:
0008744000000

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

Technical information



Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	28 mm	Outside diameter
B	12 mm	Width
C_r	6.100 N	Basic dynamic load rating, radial
C_{0r}	3.700 N	Basic static load rating, radial
C_{ur}	193 N	Fatigue load limit, radial
n_G	22.000 1/min	Limiting speed
n_{gr}	19.300 1/min	Reference speed
$\approx m$	0,034 kg	Weight

Mounting dimensions

$d_{a \min}$	14 mm	Minimum diameter shaft shoulder
$D_{a \max}$	26 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,3 mm	Maximum fillet radius

Dimensions

r_{\min}	0,3 mm	Minimum chamfer dimension
D_2	23,2 mm	Caliber diameter outer ring
d_2	16,4 mm	Caliber diameter inner ring
a	13,5 mm	Distance between the apexes of the pressure cones
α	25 °	Contact angle

Temperature range

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

