



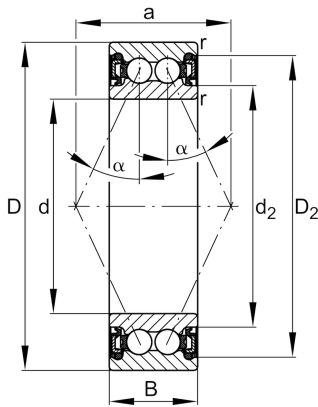
3800-2Z

Angular contact ball bearing

Schaeffler ID:
0009954010000

Angular contact ball bearing 38..-B-2RZ-TVH, double row, shields, plastic cage

Technical information



Main Dimensions & Performance Data

d	10 mm	Bore diameter
D	19 mm	Outside diameter
B	7 mm	Width
C_r	2.080 N	Basic dynamic load rating, radial
C_{0r}	1.370 N	Basic static load rating, radial
C_{ur}	72 N	Fatigue load limit, radial
n_G	30.500 1/min	Limiting speed
n_{gr}	21.000 1/min	Reference speed
$\approx m$	0,008 kg	Weight

Mounting dimensions

$d_{a \min}$	12 mm	Minimum diameter shaft shoulder
$D_{a \max}$	17 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	16,7 mm	Caliber diameter outer ring
d_2	12,2 mm	Caliber diameter inner ring
a	9 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.

