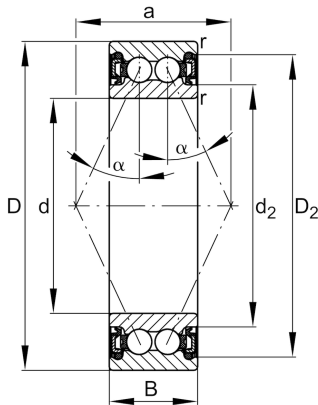
**3800-2Z**

Angular contact ball bearing

Schaeffler ID:  
0009954010000Angular 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
	0.008 kg	Weight

**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
$\alpha$	25 °	Contact angle

**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

**Temperature range**

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

