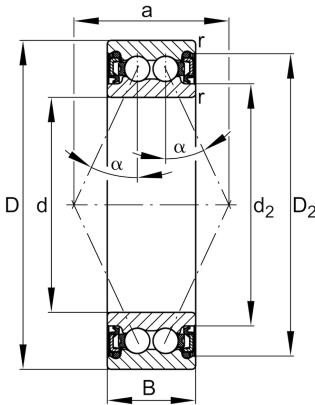


**3810-2Z** [↗](#)

Angular contact ball bearing

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

Technical information

**Main Dimensions & Performance Data**

d	50 mm	Bore diameter
D	65 mm	Outside diameter
B	12 mm	Width
C_r	8.500 N	Basic dynamic load rating, radial
C_{0r}	10.200 N	Basic static load rating, radial
C_{ur}	590 N	Fatigue load limit, radial
n_G	8.100 1/min	Limiting speed
n_{gr}	5.400 1/min	Reference speed
$\approx m$	0,093 kg	Weight

Mounting dimensions

$d_{a \min}$	52 mm	Minimum diameter shaft shoulder
$D_{a \max}$	63 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_1	60,57 mm	Shoulder diameter outer ring
D_2	61,72 mm	Caliber diameter outer ring
d_1	56,3 mm	Shoulder diameter inner ring
d_2	55,23 mm	Caliber diameter inner ring
a	31 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.

