

**3808-2Z**

## Angular contact ball bearing

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

## Technical information



## Your current product variant

Design variant	B	Bearing without filling slot
Type of Seal	2RZ	Non-contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA13	Ball bearing and insert bearing grease
Axial internal clearance	CN	Group N (CN)

## Main Dimensions &amp; Performance Data

d	40 mm	Bore diameter
D	52 mm	Outside diameter
B	10 mm	Width
$C_r$	6.900 N	Basic dynamic load rating, radial
$C_{0r}$	7.600 N	Basic static load rating, radial
$C_{ur}$	430 N	Fatigue load limit, radial
$n_G$	10.300 1/min	Limiting speed
$n_{gr}$	6.300 1/min	Reference speed
$\approx m$	0,046 kg	Weight



### Mounting dimensions

$d_{a \min}$	42 mm	Minimum diameter shaft shoulder
$D_{a \max}$	50 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,3 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	0,3 mm	Minimum chamfer dimension
$D_1$	48,54 mm	Shoulder diameter outer ring
$D_2$	49,6 mm	Caliber diameter outer ring
$d_1$	44,6 mm	Shoulder diameter inner ring
$d_2$	43,54 mm	Caliber diameter inner ring
$a$	25,2 mm	Distance between the apexes of the pressure cones
$\alpha$	25 °	Contact angle

### Temperature range

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

### Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Lifetime lubrication, freedom from maintenance
	Grease Lubrication
	Sealed on both sides