

**3805-2RS**

## Angular contact ball bearing

Angular contact ball bearing 38..-B-2RS-TVH,  
double row, seals, plastic cage

## Technical information



## Your current product variant

Design variant	B	Bearing without filling slot
Sealing	2RS	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	25 mm	Bore diameter
D	37 mm	Outside diameter
B	10 mm	Width
$C_r$	5.900 N	Basic dynamic load rating, radial
$C_{0r}$	5.500 N	Basic static load rating, radial
$C_{ur}$	285 N	Fatigue load limit, radial
$n_G$	9.300 1/min	Limiting speed
$\approx m$	36 g	Weight



### Mounting dimensions

$d_{a \min}$	27 mm	Minimum diameter shaft shoulder
$D_{a \max}$	35 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,3 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	0,3 mm	Minimum chamfer dimension
$D_1$	33,12 mm	Shoulder diameter outer ring
$D_2$	34,03 mm	Caliber diameter outer ring
$d_1$	29,1 mm	Shoulder diameter inner ring
$d_2$	27,92 mm	Caliber diameter inner ring
$a$	17,9 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