

**FAG****3200-BB-TVH**

Angular contact ball bearing

Angular contact ball bearing 32..-B-TVH,  
double row, plastic cage

## Technical information



## Your current product variant

Design variant	B	Bearing without filling slot
Changed internal design	B	B
Sealing	Without	Not sealed
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	10 mm	Bore diameter
D	30 mm	Outside diameter
B	14 mm	Width
$C_r$	7,800 N	Basic dynamic load rating, radial
$C_{0r}$	4,450 N	Basic static load rating, radial
$C_{ur}$	233 N	Fatigue load limit, radial
$n_G$	28,000 1/min	Limiting speed
$n_{gr}$	21,000 1/min	Reference speed
$\approx m$	0.051 kg	Weight



### Mounting dimensions

$d_{a \min}$	14.2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	25.8 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0.6 mm	Maximum fillet radius







### Dimensions

$r_{\min}$	0.6 mm	Minimum chamfer dimension
$D_1$	23 mm	Shoulder diameter outer ring
$D_2$	24.75 mm	Caliber diameter outer ring
$d_1$	16.6 mm	Shoulder diameter inner ring
$d_2$	15.49 mm	Caliber diameter inner ring
$a$	14.8 mm	Distance between the apexes of the pressure cones
$\alpha$	25 °	Contact angle

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

### Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed