

**FAG****3216-B-2Z-TVH**

Angular contact ball bearing

Angular contact ball bearing 32..-B-2Z-TVH,  
double row, shields, plastic cage

## Technical information

**Your current product variant**

Design variant	B	Bearing without filling slot
Sealing	2Z	Non-contact shield on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease
Axial internal clearance	CN	Group N (CN)

**Main Dimensions & Performance Data**

d	80 mm	Bore diameter
D	140 mm	Outside diameter
B	44,4 mm	Width
C <sub>r</sub>	99.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	102.000 N	Basic static load rating, radial
C <sub>ur</sub>	5.100 N	Fatigue load limit, radial
n <sub>G</sub>	3.650 1/min	Limiting speed
n <sub>gr</sub>	5.100 1/min	Reference speed
≈m	2,28 kg	Weight



### Mounting dimensions

$d_{a \min}$	91 mm	Minimum diameter shaft shoulder
$D_{a \max}$	129 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum fillet radius







### Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$D_1$	120,32 mm	Shoulder diameter outer ring
$D_2$	124,48 mm	Caliber diameter outer ring
$d_1$	98,5 mm	Shoulder diameter inner ring
$a$	69,1 mm	Distance between the apexes of the pressure cones
$\alpha$	25 °	Contact angle

### Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	120 °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