

**FAG****3214-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
Type of Sealing	2Z	Non-contact shield on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Normal (PN)
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	70 mm	Bore diameter
D	125 mm	Outside diameter
B	39,7 mm	Width
C <sub>r</sub>	82.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	79.000 N	Basic static load rating, radial
C <sub>ur</sub>	4.100 N	Fatigue load limit, radial
n <sub>G</sub>	4.150 1/min	Limiting speed
n <sub>gr</sub>	5.600 1/min	Reference speed
≈m	1,73 kg	Weight



### Mounting dimensions

$d_{a \min}$	79 mm	Minimum diameter shaft shoulder
$D_{a \max}$	116 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$D_1$	106,26 mm	Shoulder diameter outer ring
$D_2$	110,72 mm	Caliber diameter outer ring
$d_1$	86,75 mm	Shoulder diameter inner ring
$a$	61,6 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