

**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
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	70 mm	Bore diameter
D	125 mm	Outside diameter
B	39,7 mm	Width
C _r	82.000 N	Basic dynamic load rating, radial
C _{0r}	79.000 N	Basic static load rating, radial
C _{ur}	4.100 N	Fatigue load limit, radial
n _G	4.150 1/min	Limiting speed
n _{gr}	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
α	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