

**FAG****3216-B-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
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	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_r	99.000 N	Basic dynamic load rating, radial
C_{0r}	102.000 N	Basic static load rating, radial
C_{ur}	5.100 N	Fatigue load limit, radial
n_G	4.900 1/min	Limiting speed
n_{gr}	5.100 1/min	Reference speed
$\approx m$	2,32 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_1	98,82 mm	Shoulder diameter inner ring
a	69,1 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
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed