



FAG

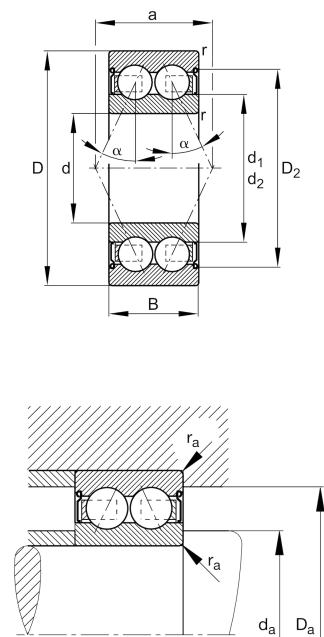


3216-B-2Z-TVH

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
Type of Seal	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 _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	3,650 1/min	Limiting speed
n _{gr}	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
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