



FAG

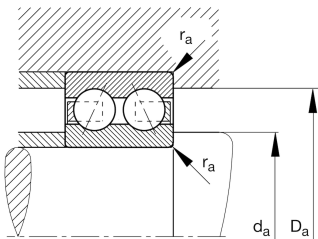
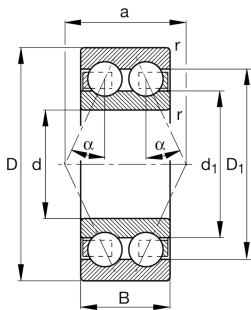


3214-B-TVH

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
Type of Seal	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	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	5,600 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 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
	Grease Lubrication
	Oil Lubrication
	Not sealed