

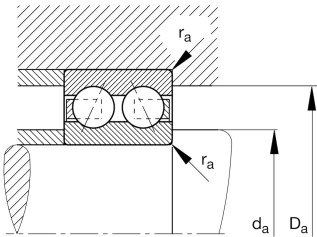
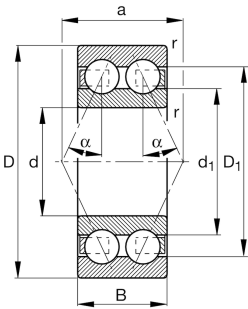
FAG

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
Sealing	Without	Not sealed
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease, standard for D>62mm
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_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