

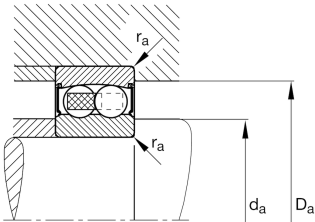
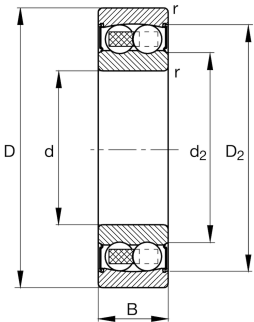
FAG

2214-2RS-TVH

Self-aligning ball bearing

Self-aligning ball bearing 22...-2RS-TVH,  
seals, plastic cage

Technical information



Your current product variant

Bore type	Z	Cylindrical
Sealing	2RS	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	PN	Normal (PN)
Lubricant	GA13	Ball bearing and insert bearing grease, standard for D>62mm
Radial internal clearance	CN (Group N)	Normal internal clearance

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	125 mm	Outside diameter
B	31 mm	Width
C <sub>r</sub>	35,000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	13,800 N	Basic static load rating, radial
C <sub>ur</sub>	880 N	Fatigue load limit, radial
n <sub>G</sub>	3,150 1/min	Limiting speed
≈m	1.52 kg	Weight

Mounting dimensions

d <sub>a min</sub>	79 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	116 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1.5 mm	Maximum fillet radius



Dimensions

r min	1.5 mm	Minimum chamfer dimension
D 1	106.083 mm	Shoulder diameter outer ring
D 2	110.75 mm	Caliber diameter outer ring
d 1	87.2 mm	Shoulder diameter inner ring
d 2	84.7 mm	Caliber diameter inner ring









Temperature range

T min	-20 °C	Operating temperature min.
T max	100 °C	Operating temperature max.

Calculation factors

e	0.19	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y 1	3.37	Dynamic axial load factor
Y 2	5.22	Dynamic axial load factor
Y 0	3.53	Static axial load factor

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides
-  Static angular error and misalignment
-  Dynamic angular error and misalignment