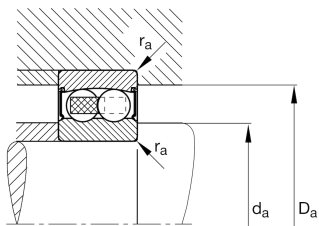
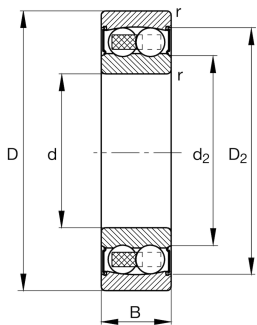
**FAG****2203-2RS-TVH**

Self-aligning ball bearing

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

Technical information



Your current product variant

Bore type	Z	Cylindrical
Type of Sealing	2RS	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Normal (ISO 492:2023)
Radial internal clearance	CN (Group N)	Normal internal clearance
Lubricant	GA14	Ball bearing grease, low noise

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B	16 mm	Width
C _r	8,100 N	Basic dynamic load rating, radial
C _{0r}	2,010 N	Basic static load rating, radial
C _{ur}	128 N	Fatigue load limit, radial
n _G	12,100 1/min	Limiting speed
≈m	0.095 kg	Weight

Mounting dimensions

d _{a min}	21.2 mm	Minimum diameter shaft shoulder
D _{a max}	35.8 mm	Maximum diameter of housing shoulder
r _{a max}	0.6 mm	Maximum fillet radius



Dimensions

r_{min}	0.6 mm	Minimum chamfer dimension
D_1	32.04 mm	Shoulder diameter outer ring
D_2	34.25 mm	Caliber diameter outer ring
d_1	23.7 mm	Shoulder diameter inner ring
d_2	21.57 mm	Caliber diameter inner ring

Temperature range

T_{min}	-20 °C	Operating temperature min.
T_{max}	100 °C	Operating temperature max.

Calculation factors

e	0.33	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1.93	Dynamic axial load factor
Y_2	2.98	Dynamic axial load factor
Y_0	2.02	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