



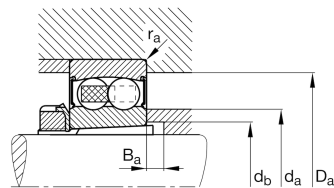
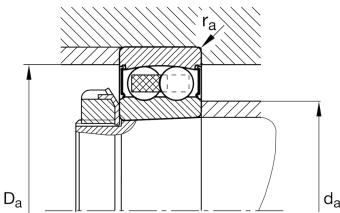
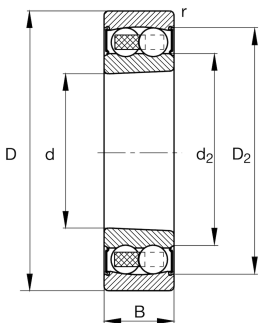
FAG

2205-K-2RS-TVH>N

Self-aligning ball bearing

Self-aligning ball bearing 22..-K-2RS-TVH,
tapered bore taper 1:12, seals, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>N	Not marked on bearing
Bore type	K	Tapered, taper 1:12
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	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
C _r	12.300 N	Basic dynamic load rating, radial
C _{0r}	3.300 N	Basic static load rating, radial
C _{ur}	209 N	Fatigue load limit, radial
n _G	8.500 1/min	Limiting speed
≈m	159 g	Masa



Mounting dimensions

$d_{a \min}$	30,6 mm	Minimum diameter shaft shoulder
$d_{a \max}$	32 mm	Maximum diameter shaft shoulder
$D_{a \max}$	46,4 mm	Maximum diameter of housing shoulder
$d_{b \min}$	28 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	5 mm	Minimum cavity width of the sleeve
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	43,596 mm	Shoulder diameter outer ring
D_2	45,27 mm	Caliber diameter outer ring
d_1	32,9 mm	Shoulder diameter inner ring
d_2	30,7 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

e	0,27	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,36	Dynamic axial load factor
Y_2	3,65	Dynamic axial load factor
Y_0	2,47	Static axial load factor

Additional information

H305

Adapter sleeve



Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie dożywotnie, bezobsługowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna