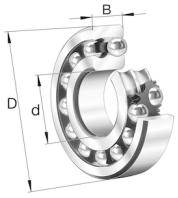


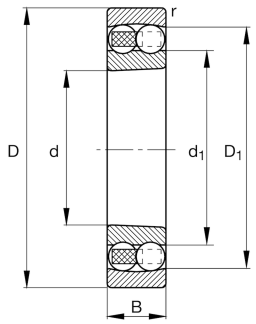
FAG

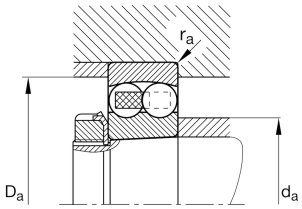
2205-K-TVH-C3

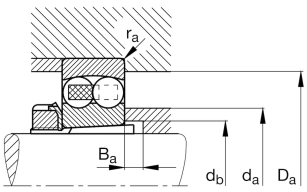
Self-aligning ball bearing

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

Informacje techniczne







Twoja aktualna wersja produktu

Bore type	K	Tapered, taper 1:12
Sealing	Without	Not sealed
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Normal (ISO 492:2023)
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
C_r	17.300 N	Basic dynamic load rating, radial
C_{0r}	4.450 N	Basic static load rating, radial
C_{ur}	285 N	Fatigue load limit, radial
n_G	14.400 1/min	Limiting speed
$n_{\vartheta r}$	13.400 1/min	Reference speed
≈m	0,149 kg	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	44,42 mm	Shoulder diameter outer ring
d_1	32,25 mm	Shoulder diameter inner ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

Calculation factors

e	0,35	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	1,78	Dynamic axial load factor
Y_2	2,75	Dynamic axial load factor
Y_0	1,86	Static axial load factor

Additional information

	H305	Adapter sleeve

Właściwości

Obciążenie promieniowe

Obciążenie osiowe jednokierunkowe

Obciążenie osiowe dwukierunkowe


Smarowanie smarem


Smarowanie olejem


Bez uszczelnienia


Nieosiowość statyczna


Nieosiowość dynamiczna