



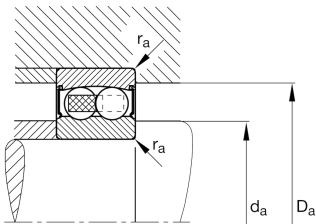
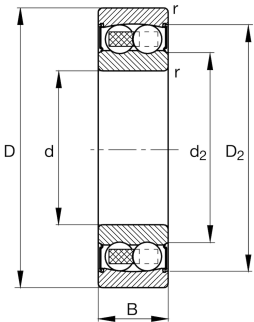
FAG

2305-2RS-TVH-L281-C4>N

Self-aligning ball bearing

Self-aligning ball bearing 23...-2RS-TVH,
seals, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>N	Not marked on bearing
Bore type	Z	Cylindrical
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	C4 (Group 4)	Internal clearance larger than C3
Lubricant	L281	Grease (L281/customer specific)

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	24 mm	Width
C _r	18.300 N	Basic dynamic load rating, radial
C _{0r}	5.000 N	Basic static load rating, radial
C _{ur}	320 N	Fatigue load limit, radial
n _G	7.800 1/min	Limiting speed
≈m	350 g	Masa

Mounting dimensions

d _{a min}	32 mm	Minimum diameter shaft shoulder
D _{a max}	55 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius



Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
D_1	50,51 mm	Shoulder diameter outer ring
D_2	52,38 mm	Caliber diameter outer ring
d_1	38,1 mm	Shoulder diameter inner ring
d_2	33,5 mm	Caliber diameter inner ring

Temperature range

$T_{\min}$	-10 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

Calculation factors

e	0,28	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,29	Dynamic axial load factor
Y_2	3,54	Dynamic axial load factor
Y_0	2,4	Static axial load factor

Właściwości

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