Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 04.12.2014 / 04

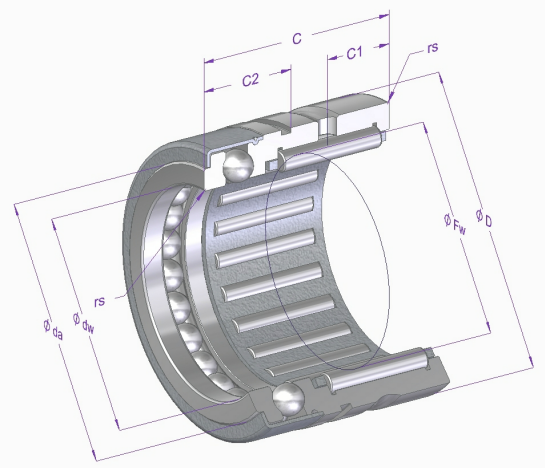
article NX 12 Z **Art-No.** 45499 **brand** SKA **weight/kg** 0.028

remark Axial part greased.

description

NX	Design
12	Size
Z	Shield on one side, not touching

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
Fw	inner enveloping circle diameter	12	16 / 27	5429-1
dw	nominal inner diameter	12	32 / 59	5429-1
D	nominal outer diameter	21	0 / -9	620-2
C	width	18	0 / -250	5429-1
C1	distance lubrication hole	4.7		
C2	mounting dimension	10		
rs min.	minimal chamfer dimension	0.3		5429-1
da	mounting dimension	16.5		
Ca	dynamic load rating, axial [N]	5340		281
C0a	static load capacity, axial [N]	9640		76
Cua	fatigue limit load, axial [N]	435		281

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	5370	615	281	4850	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		6000	

operating temperature	max. [°C]	min. [°C]
	120	-20

material specification

description	material	DIN/ISO	hardness
Outer ring	100Cr6	683-17	58-65
Needle rollers	100Cr6	683-17	58-65
Needle cage	Sheet steel		
Balls	100Cr6	683-17	58-65
Axial washer	100Cr6	683-17	58-65
Protection cap	Sheet steel		

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.