Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article NATV 20 LX3 **Art-No.** 54739 **brand** SKA **weight/kg** 0.246

remark Load ratings calculated according norms for rolling bearings. Rotational speed for F < 0.05 C0rw.

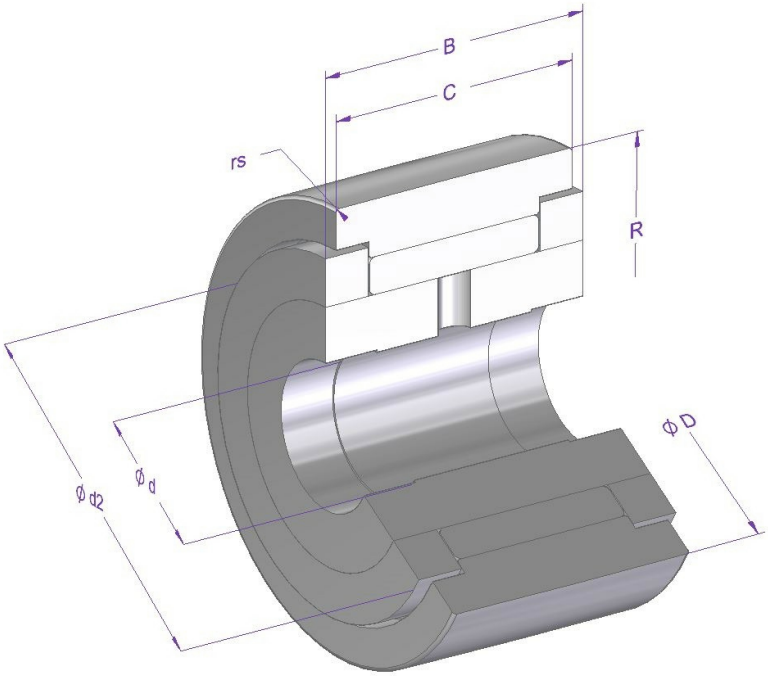
description

NATV	Design
20	Size

greasing

LX3	SHELL GADUS S3 V220C 2

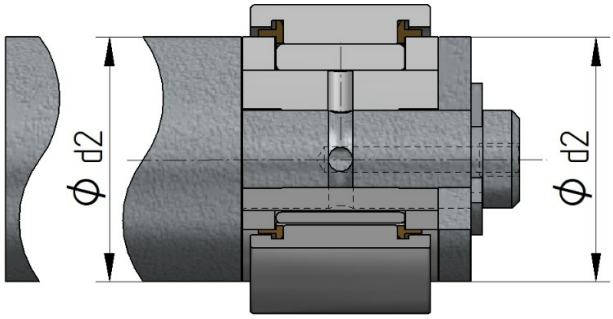
dimensions and tolerances



Einbau (Prinzipdarstellung)

Installation (représentation schématique)

Installation (schematic diagram)



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	20	0 / -10	ISO 7063
D	nominal outer diameter	47	0 / -50	ISO 7063
d2	axial washer outer diameter	36.5		
B	inner ring width	25	0 / -210	WERKSNORM
C	outer ring width	24	0 / -120	ISO 7063
rs min.	minimal chamfer dimension	1		ISO 7063
R	radius outer ring	500		
Crw [N]	Effective dynamic load rating	22500		
C0rw [N]	Effective static load rating	35500		
Curw [N]	Effective fatigue limit load	4040		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	30700	8570	281	57400	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		1300	

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

bearing clearance	radial min. [µm]	max. [µm]
	10	35

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article NATV 20 LX3 **Art-No.** 54739

material specification

description	material	DIN/ISO	hardness
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Needle rollers	100Cr6	683-17	58-66
Axial washers	100Cr6	683-17	58-65

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