Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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article NATV 10 PP OP LX3 **Art-No.** 54647

brand SKA **weight/kg** 0.042

remark Load ratings calculated according norms for rolling bearings. Rotational speed for F < 0.05 C0rw. Temperature limit due to the seal.

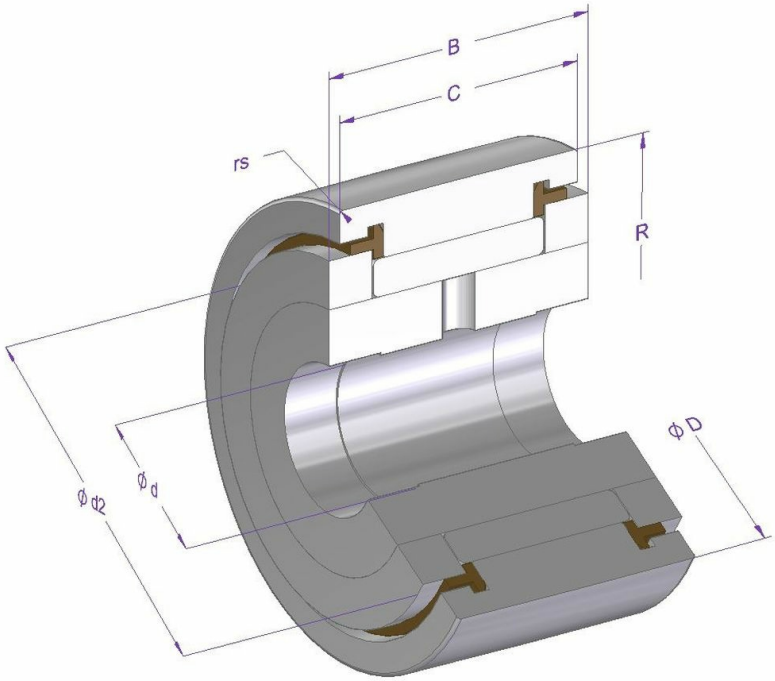
description

NATV	Design
10	Size
PP	Seals on both sides
OP	Optimized profile

greasing

LX3	SHELL GADUS S3 V220C 2

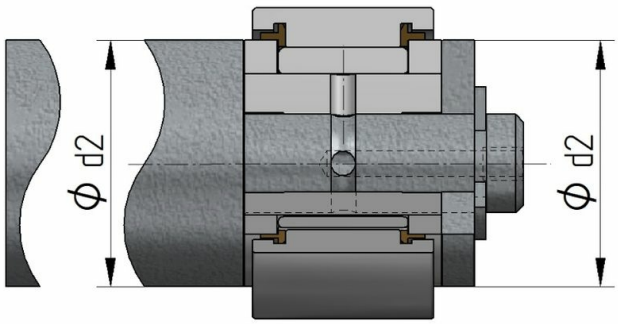
dimensions and tolerances



Einbau (Prinzipdarstellung)

Installation (représentation schématique)

Installation (schematic diagram)



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	10	0 / -8	620-2
D	nominal outer diameter	30	0 / -50	WERKSNORM
d2	axial washer outer diameter	23		
B	inner ring width	15	0 / -180	WERKSNORM
C	outer ring width	14	0 / -120	620-2
rs min.	minimal chamfer dimension	0.6		ISO 7063
R	radius outer ring	OP		
Crw [N]	Effective dynamic load rating	10400		
C0rw [N]	Effective static load rating	12300		
Curw [N]	Effective fatigue limit load	1190		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	13200	2450	281	17900	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		2100	

operating temperature	max. [°C]	min. [°C]
	100	-20

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

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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
Seals	PA66		
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.