general data/description

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article NUTR 20 OP LX3 **Art-No.** 44690 **brand** SKA **weight/kg** 0.245

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

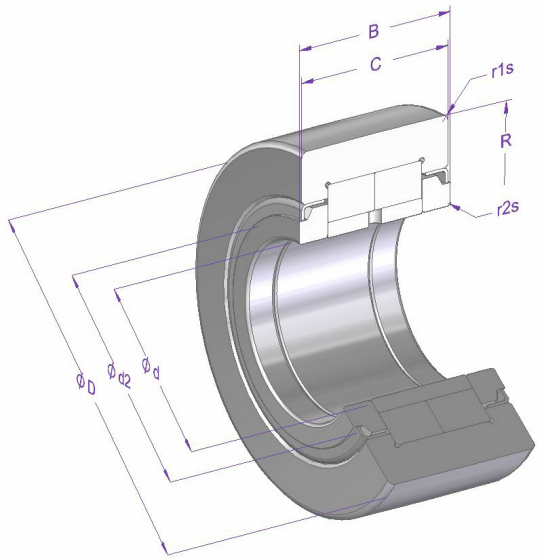
description

NUTR	Design
20	Size
OP	Optimized profile

greasing

LX3	SHELL GADUS S3 V220C 2

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	20	0 / -10	620-2
D	nominal outer diameter	47	0 / -50	WERKSNORM
B	inner ring width	25	0 / -210	WERKSNORM
C	outer ring width	24	0 / -120	620-2
d2	inner shoulder diameter	27		
r1s min.	minimal chamfer dimension	1		
r2s min.	minimal chamfer dimension	0.5		
R	radius outer ring	OP		
Crw [N]	Effective dynamic load rating	28100		
C0rw [N]	Effective static load rating	30400		
Curw [N]	Effective fatigue limit load	3530		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	39300	6280	281	49800	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4200	

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

bearing clearance	radial min. [µm]	max. [µm]
	20	45

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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
Shields	Sheet steel		
Axial washers	100Cr6	683-17	58-65

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