general data/description

created: 29.08.2017 / 07 page: 1 / 2

article STO 8 TV LX3 **Art-No.** 48687 **brand** SKA **weight/kg** 0.026

remark Tragzahlen gerechnet nach Normen für Wälzlager. Drehzahlen für F < 0.05 C0.

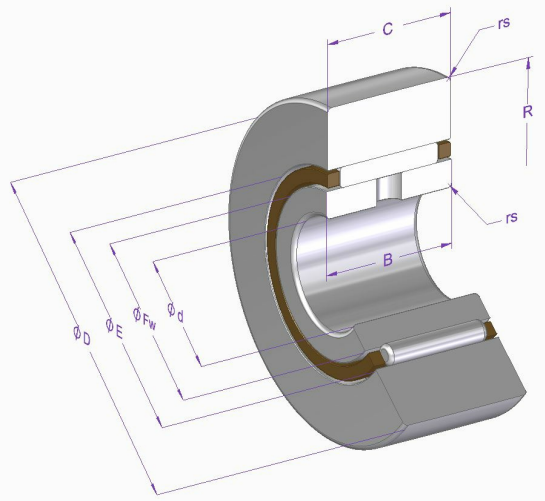
description

STO	Design
8	Size
TV	Plastic cage

greasing

LX3	SHELL GADUS S3 V220C 2

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	8	0 / -8	620-2
D	nominal outer diameter	24	0 / -50	
Fw	inner enveloping circle diameter	12	16 / 27	
E	outer enveloping circle diameter	15		
B	inner ring width	10	0 / -120	620-2
C	outer ring width	9.8	0 / -120	620-2
rs min.	minimal chamfer dimension	0.3		
R	radius outer ring	500		
Crw [N]	Effective dynamic load rating	4200		
C0rw [N]	Effective static load rating	4800		
Curw [N]	Effective fatigue limit load	600		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	4830	830	281	5860	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		8000	

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

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

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	58-65
Cage	PA66		

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