Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article STO 50 X LX3 **Art-No.** 43558 **brand** SKA **weight/kg** 0.617

remark Load ratings calculated according norms for rolling bearings. Also depending on mating track.

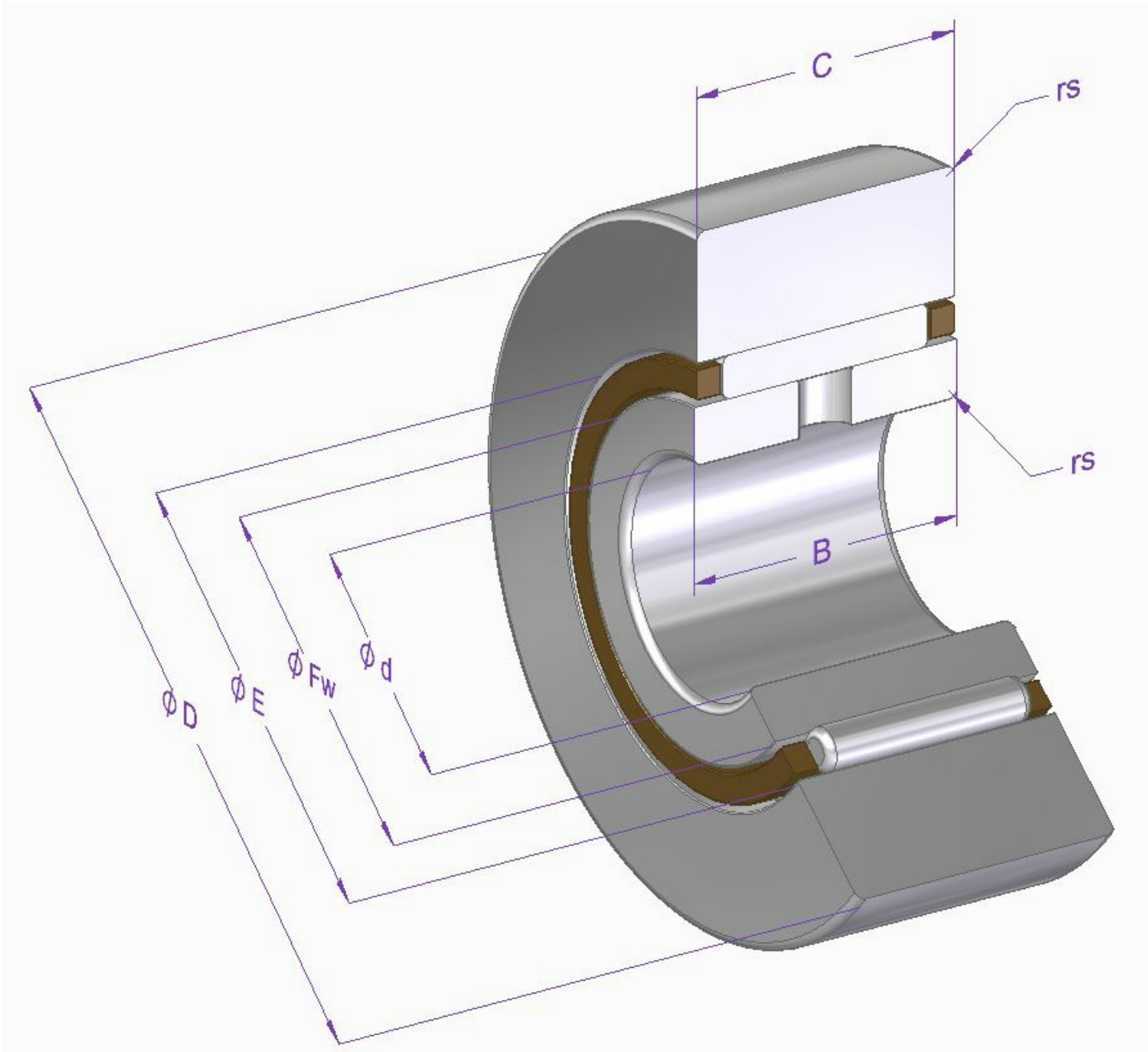
description

STO	Design
50	Size
X	Cylindrical lateral surface

greasing

LX3	SHELL GADUS S3 V220C 2

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	50	0 / -12	620-2
D	nominal outer diameter	90	0 / -15	620-2
Fw	inner enveloping circle diameter	60	30 / 49	
E	raceway diameter outer ring	68		
B	inner ring width	20	0 / -120	620-2
C	outer ring width	19.8	0 / -120	620-2
rs min.	minimal chamfer dimension	1		

article STO 50 X LX3 **Art-No.** 43558

dimension	Description	[mm]	tolerance [µm]	DIN/ISO
Crw [N]	Effective dynamic load rating	26000		
C0rw [N]	Effective static load rating	39000		
Curw [N]	Effective fatigue limit load	4900		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	42000	11000		281	80000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		650				
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	30	60				

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	Sheet steel		

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