Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article KRE 22 PP OP SK LX3 **Art-No.** 51423 **brand** SKA **weight/kg** 0.047

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

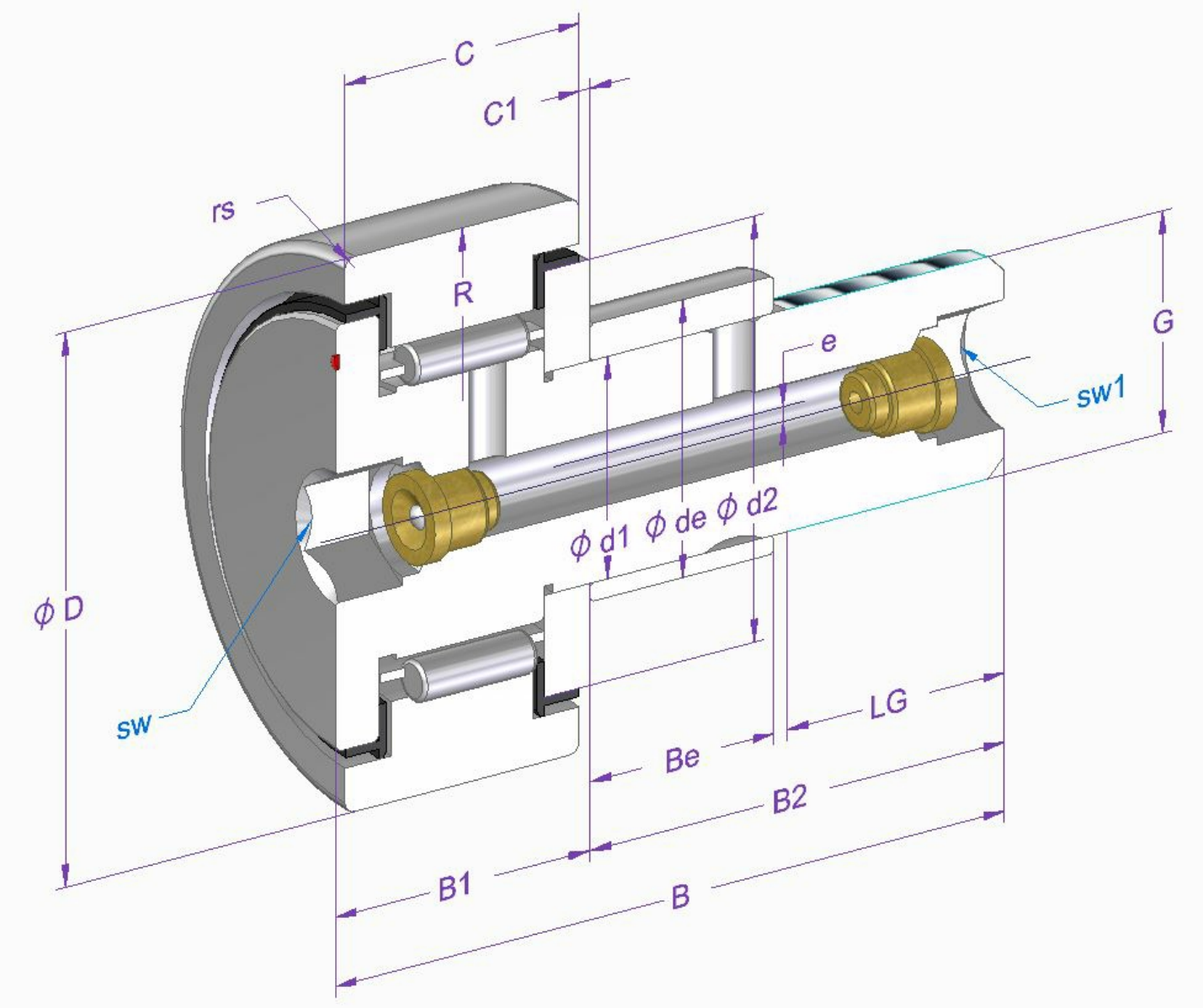
description

KRE	Design
22	Size
PP	Seals on both sides
OP	Optimized profile
SK	Hexagon socket

greasing

LX3	SHELL GADUS S3 V220C 2

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d1	shaft diameter	10	0 / -15	ISO 7063
d2	inner shoulder diameter	17.5		WERKSNORM
de	eccentric diameter	13	0 / -43	WERKSNORM
e	eccentricity	0.5		
D	nominal outer diameter	22	0 / -50	WERKSNORM
C	outer ring width	12	0 / -120	620-2
C1	distance	0.6		ISO 7063
B	length	36	-300 / 600	WERKSNORM

article KRE 22 PP OP SK LX3 **Art-No.** 51423

dimension	Description	[mm]	tolerance [µm]	DIN/ISO
B1 max.	width	13.2		ISO 7063
B2	shaft lenght	23		ISO 7063
Be	eccentric length	10		
rs min.	minimal chamfer dimension	0.3		ISO 7063
sw	wrench size	5		
LG	thread length	12		
G	thread	M10x1		
R	radius	OP		
Crw [N]	Effective dynamic load rating	4350		
C0rw [N]	Effective static load rating	4300		
Curw [N]	Effective fatigue limit load	350		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	5300	730	281	5830	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]
	10	35

material specification

description	material	DIN/ISO	hardness
Outer ring	100Cr6	683-17	58-65
Roller stud	16CrMo4		
Needle rollers	100Cr6	683-17	58-65
Thrust washer	100Cr6	683-17	58-65
Seals	PA66		
Cage	Sheet steel		
Eccentric ring	100Cr6	683-17	683-17

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