Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article KR 47 PP OP SK LX3 **Art-No.** 46129 **brand** SKA **weight/kg** 0.406

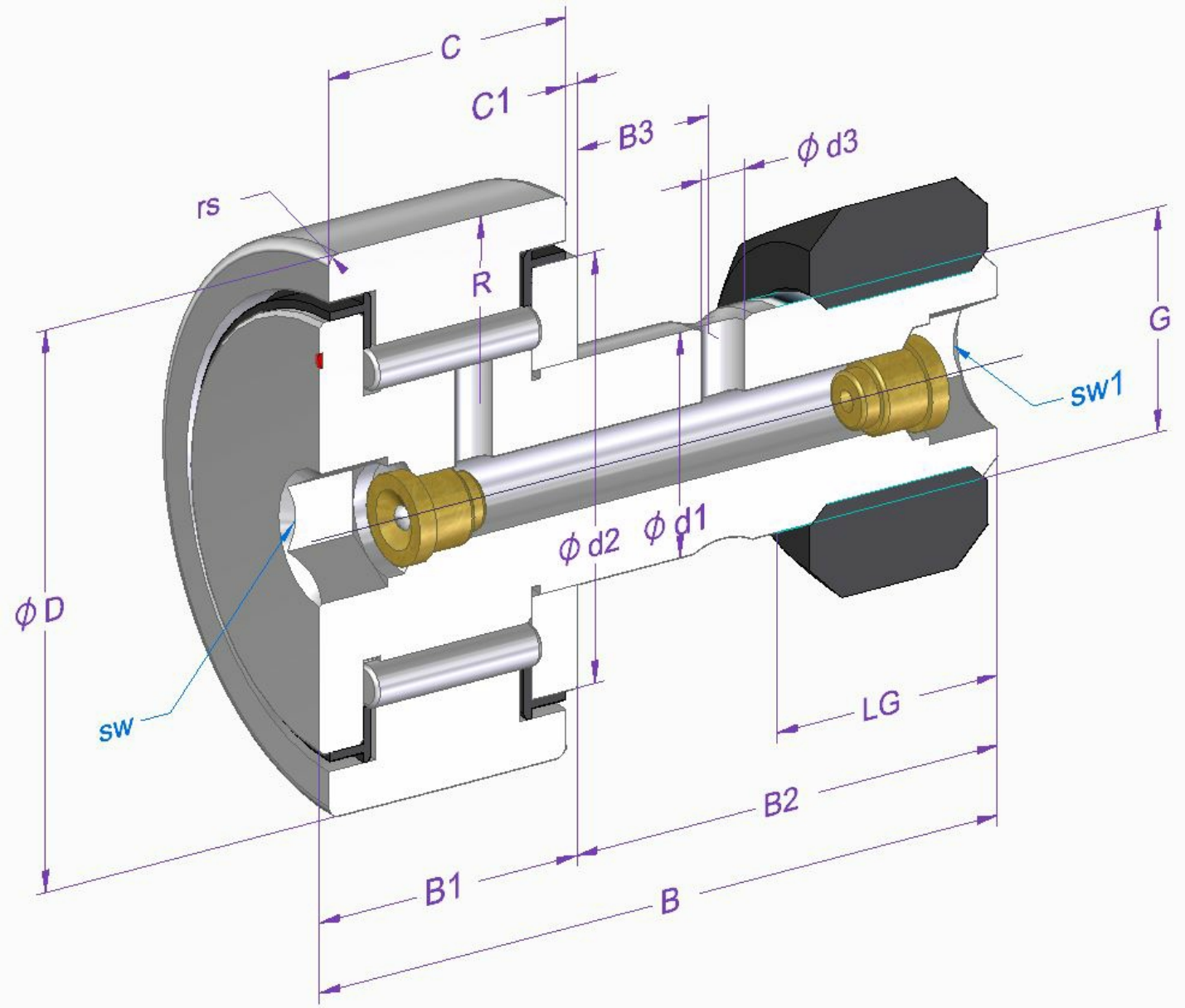
description

KR	Design
47	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	20	0 / -21	
d2	inner shoulder diameter	36.5		
d3	diameter lubrication hole	4		
D	nominal outer diameter	47	0 / -50	
C	outer ring width	24	0 / -120	
C1	distance	0.8		
B	length	66	-300 / 600	
B1 max.	width	25.6		
B2	shaft lenght	40.5		

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dimension	Description	[mm]	tolerance [µm]	DIN/ISO
B3	distance lubrication hole	9		
G	thread	M20x1.5		
LG	thread length	21		
sw/sw1	wrench size	10		
rs min.	minimal chamfer dimension	1		
R	radius	OP		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	18900		281	30200	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		3000	

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

bearing clearance	radial min. [µm]	max. [µm]
	0	25

material specification

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

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