Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article KR 40 PP OP SK LX3 **Art-No.** 45207 **brand** SKA **weight/kg** 0.247

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

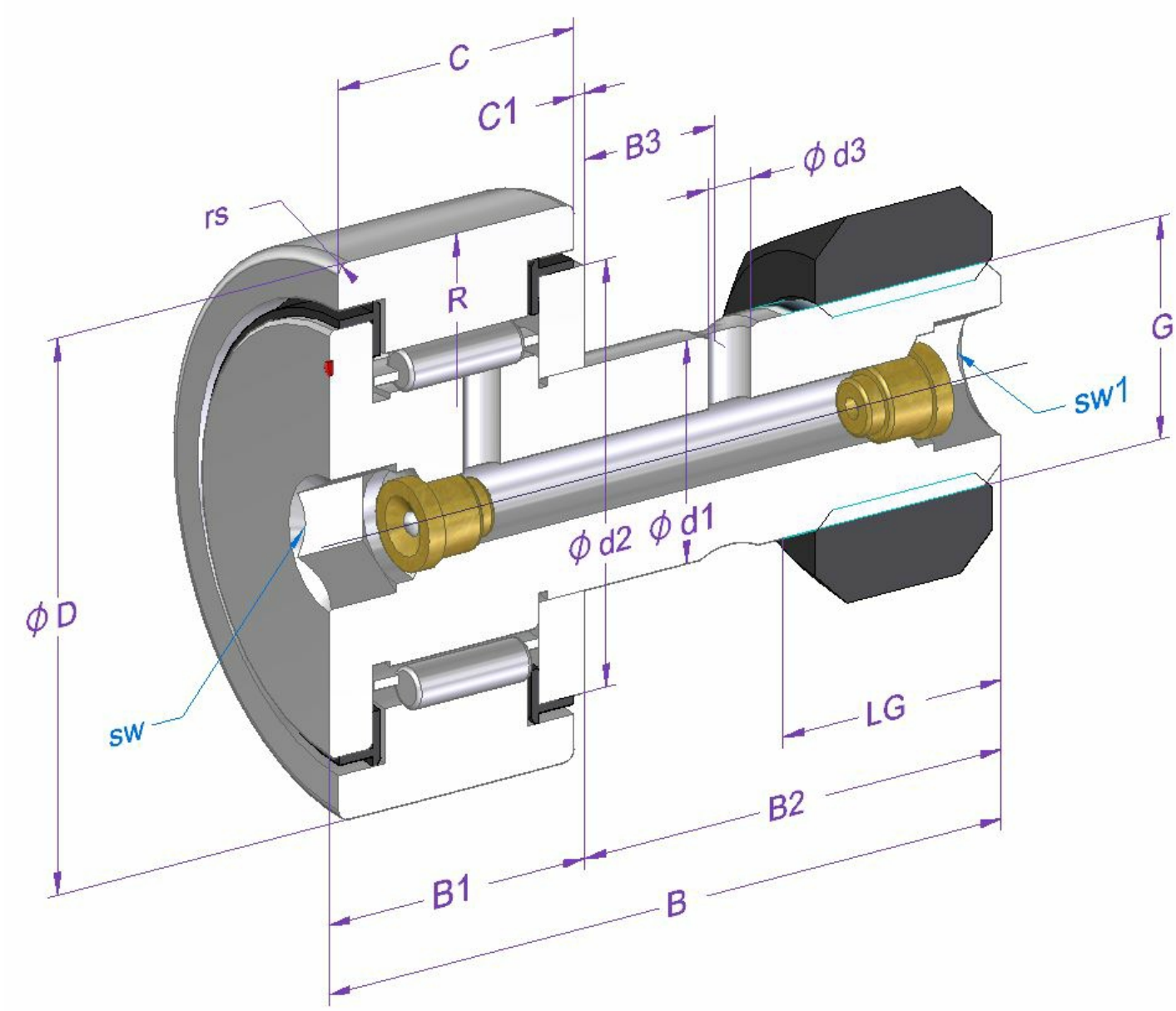
description

KR	Design
40	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	18	0 / -18	ISO 7063
d2	inner shoulder diameter	31.5		
D	nominal outer diameter	40	0 / -50	WERKSNORM
C	outer ring width	20	0 / -120	620-2
C1	distance	0.8		ISO 7063
B	length	58	-300 / 600	WERKSNORM
B1 max.	width	21.6		ISO 7063
B2	shaft lenght	36.5		ISO 7063

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dimension	Description	[mm]	tolerance [µm]	DIN/ISO
B3	distance lubrication hole	8		ISO 7063
rs min.	minimal chamfer dimension	1		ISO 7063
G	thread	M18x1.5		ISO 7063
LG	thread length	19		ISO 7063
sw/sw1	wrench size	8		
R	radius outer ring	OP		
d3	diameter lubrication hole	3		
Crw [N]	Effective dynamic load rating	11600		
C0rw [N]	Effective static load rating	14300		
Curw [N]	Effective fatigue limit load	1730		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	13700	2560	281	19200	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		2900	

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
Cage	Sheet steel		
Seals	PA66		

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