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general data/description

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article KR 47 PP OP SK LX3 **Art-No.** 52984 **brand** SKA **weight/kg** 0.406

remark Load ratings calculated according norms for rolling bearings. Rotational speed for F < 0.05 C0rw. Load ratings and rotational speed also depending on mating track.

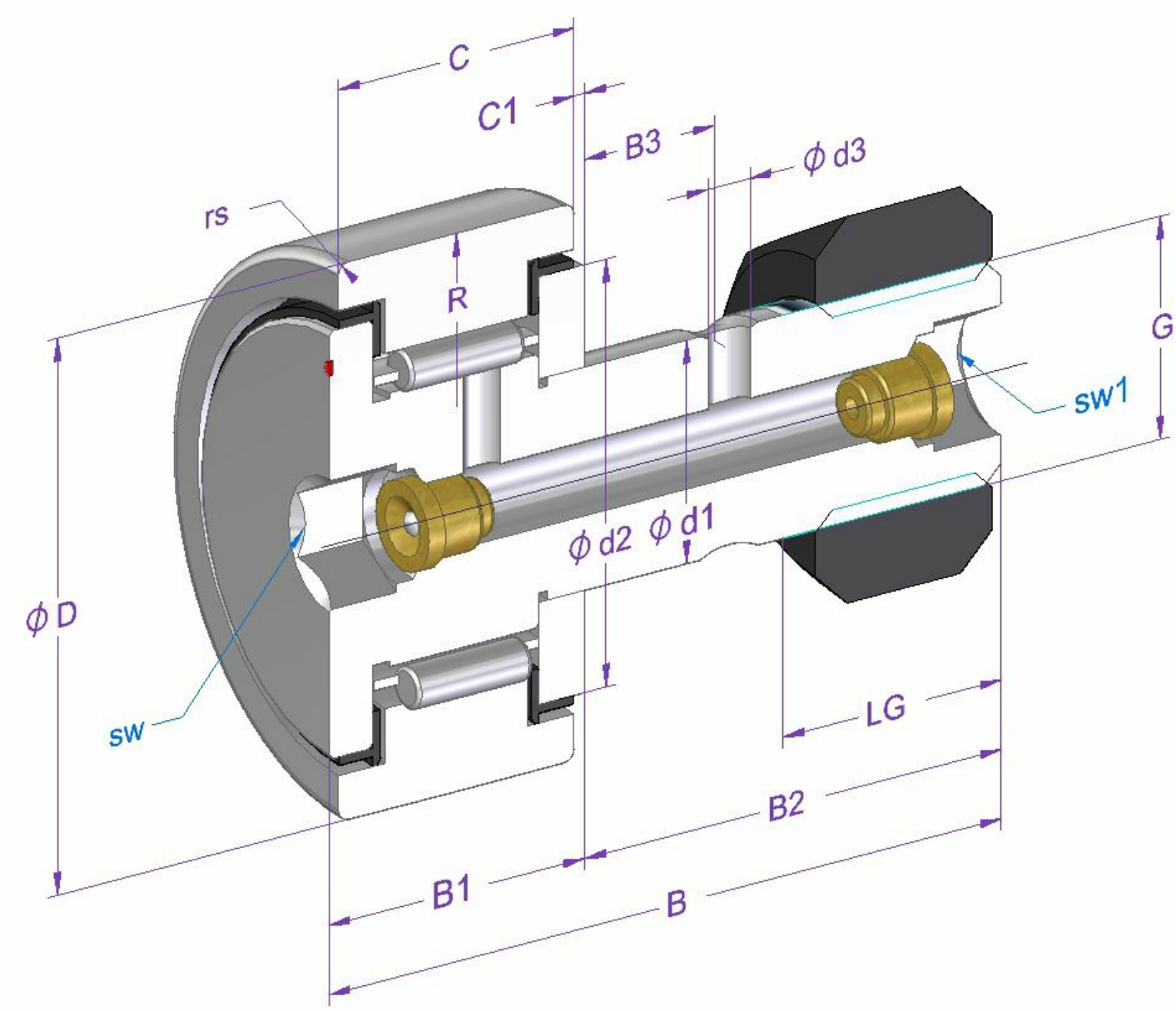
description

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	ISO 7063
d2	inner shoulder diameter	36.5		
d3	diameter lubrication hole	4		
D	nominal outer diameter	47	0 / -50	ISO 7063
C	outer ring width	24	0 / -120	620-2
C1	distance	0.8		ISO 7063
B	length	66	-300 / 600	WERKSNORM
B1 max.	width	25.6		ISO 7063

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dimension	Description	[mm]	tolerance [µm]	DIN/ISO
B2	shaft lenght	40.5		ISO 7063
B3	distance lubrication hole	9		ISO 7063
G	thread	M20x1.5		ISO 7063
LG	thread length	21		ISO 7063
sw/sw1	wrench size	10		
rs min.	minimal chamfer dimension	1		ISO 7063
R	radius	OP		
Crw [N]	Effective dynamic load rating	15420		
C0rw [N]	Effective static load rating	22200		
Curw [N]	Effective fatigue limit load	2310		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	19200	4480	281	30900	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		2400	

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		

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