general data/description

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article KR 30 OP SK LX3 **Art-No.** 44507 **brand** SKA **weight/kg** 0.087

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.

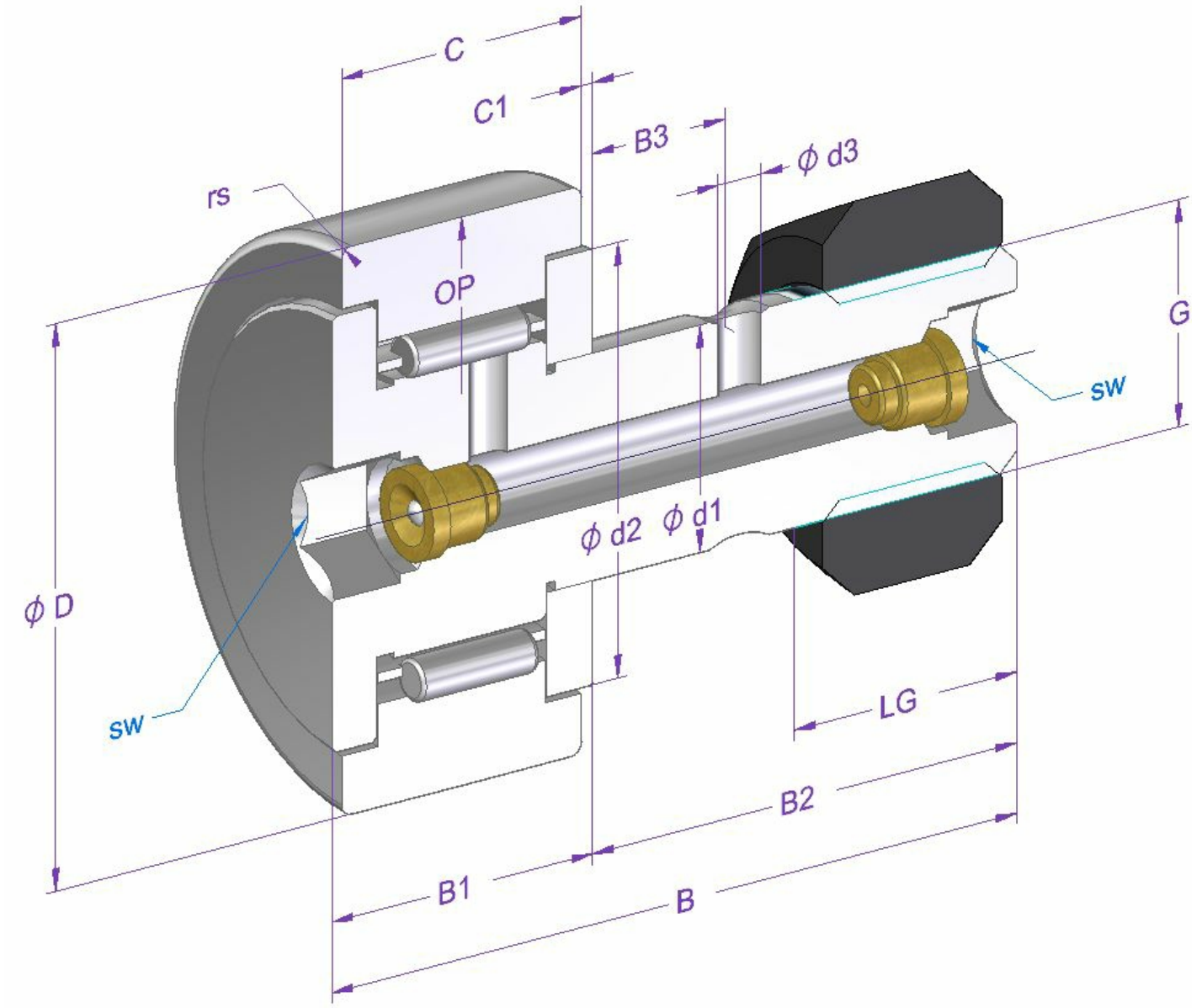
description

KR	Design
30	Size
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	12	0 / -18	ISO 7063
d2	inner shoulder diameter	23		
D	nominal outer diameter	30	0 / -50	ISO 7063
C	outer ring width	14	0 / -120	ISO 7063
C1	distance	0.6		ISO 7063
B	length	40	-300 / 600	WERKSNORM
B1 max.	width	15.2		ISO 7063
B2	shaft lenght	25		ISO 7063
B3	distance lubrication hole	6		ISO 7063

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dimension	Description	[mm]	tolerance [µm]	DIN/ISO
rs min.	minimal chamfer dimension	0.6		ISO 7063
G	thread	M12x1.5		ISO 7063
LG	thread length	13		ISO 7063
sw	wrench size	6		
R	radius outer ring	OP		
d3	diameter lubrication hole	2.5		
Curw [N]	Effective fatigue limit load	6790		
C0rw [N]	Effective static load rating	7030		
Curw [N]	Effective fatigue limit load	610		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	7660	1050	281	8830	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		5500	

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

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