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general data/description

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article NUKR 40 OP SK LX3 **Art-No.** 50259 **brand** SKA **weight/kg** 0.25

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

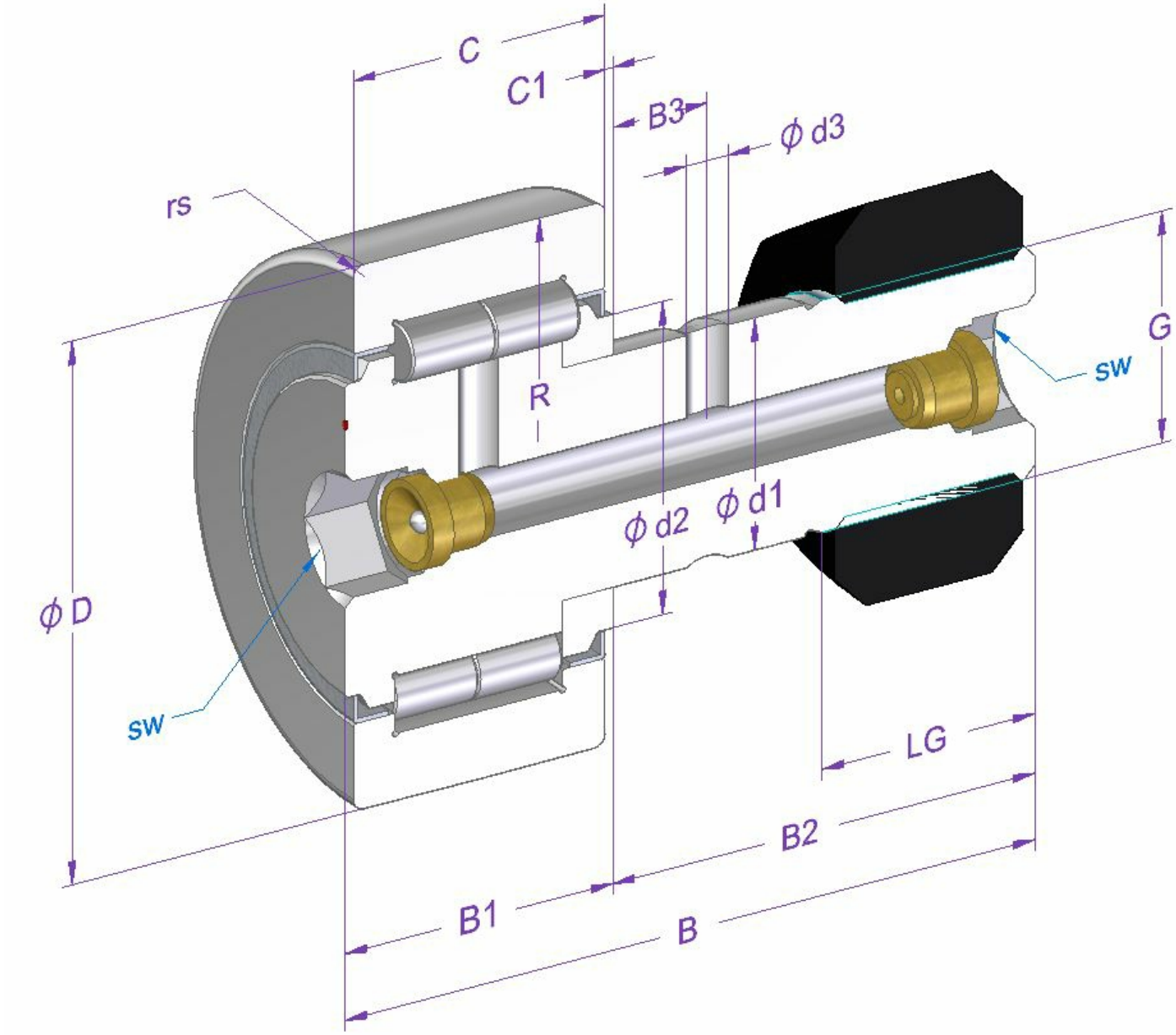
description

NUKR	Design
40	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	18	0 / -18	WERKSNORM
d2	inner shoulder diameter	22		
d3	diameter lubrication hole	3		
D	nominal outer diameter	40	0 / -50	WERKSNORM
C	outer ring width	20	0 / -120	620-2
C1	distance	0.8		
B	length	58	-300 / -600	WERKSNORM
B1 max.	width	21.6		
B2	shaft lenght	36.5		

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dimension	Description	[mm]	tolerance [µm]	DIN/ISO
B3	distance lubrication hole	8		
R	radius outer ring	OP		
rs min.	minimal chamfer dimension	1		
G	thread	M18x1.5		
LG	thread length	19		
sw	wrench size	8		
Crw [N]	Effective dynamic load rating	18500		
C0rw [N]	Effective static load rating	19600		
Curw [N]	Effective fatigue limit load	2275		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	24800	3830	281	30400	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]
	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
Axial washer	100Cr6	683-17	58-65
Seals	Sheet steel		

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