Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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article KR 30 OP M12X1,5 439B SK LX3 **Art-No.** 44508

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.

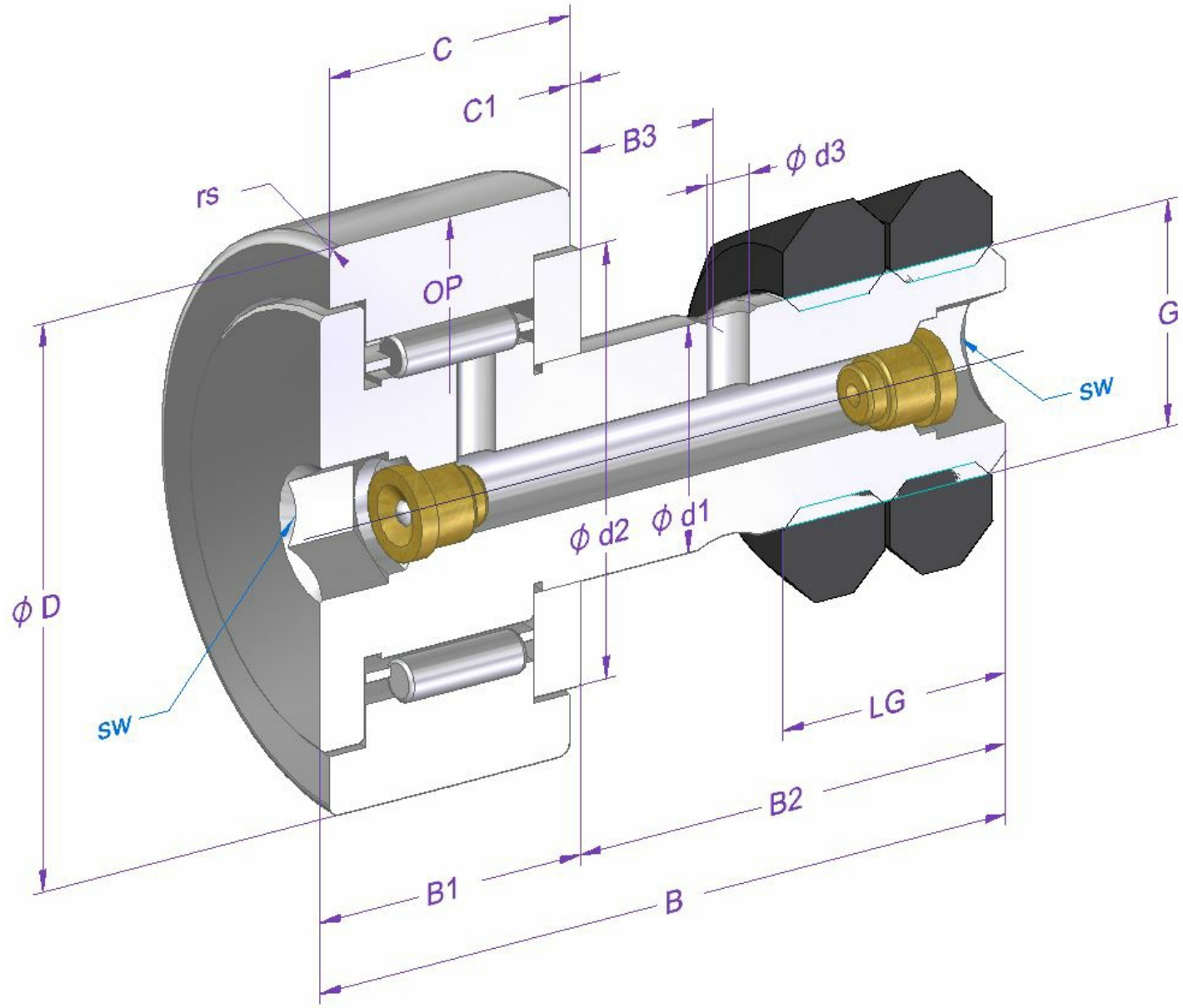
description

KR	Design
30	Size
OP	Optimized profile
M12X1,5	Metric fine thread
439B	Hexagon nut
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

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SK LX3

dimension	Description	[mm]	tolerance [µm]	DIN/ISO
B2	shaft lenght	25		ISO 7063
B3	distance lubrication hole	6		ISO 7063
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
Thrust washer	100Cr6	683-17	58-65
Cage	Sheet steel		

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