general data/description

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article KR 30 PP OP SK LX3 **Art-No.** 55259 **brand** SKA **weight/kg** 0.087

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

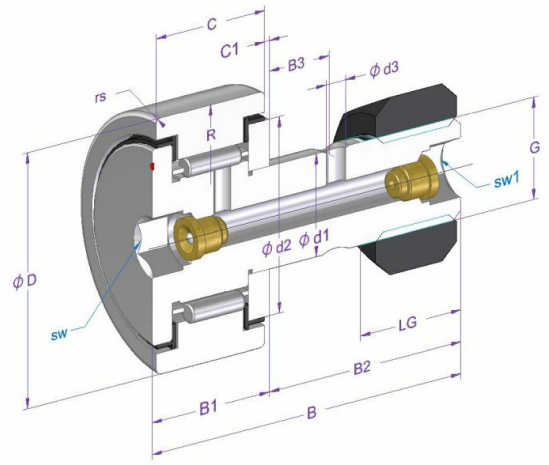
description

KR	Design
30	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	12	0 / -18	ISO 7063
d2	inner shoulder diameter	23.2		
D	nominal outer diameter	30	0 / -50	ISO 7063
C	outer ring width	14	0 / -120	620-2
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
rs min.	minimal chamfer dimension	0.6		ISO 7063
G	thread	M12x1.5		ISO 7063
LG	thread length	13		ISO 7063
sw/sw1	wrench size	6		
R	radius outer ring	OP		
d3	diameter lubrication hole	2.5		
Crw [N]	Effective dynamic load rating	7020		
C0rw [N]	Effective static load rating	6800		
Curw [N]	Effective fatigue limit load	520		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	7660	1060	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]
	100	-20

bearing clearance	radial min. [µm]	max. [µm]
	10	35

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material specification

description	material	DIN/ISO	hardness
Outer ring	100Cr6	683-17	58-65
Roller stud	16CrMo4		
Needle rollers	100Cr6	683-17	58-66
Cage	St12		
Thrust washer	100Cr6	683-17	58-65
Seals	PA66		

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