Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article PWKRE 40 2RS OP LX3 **Art-No.** 49140

brand SKA **weight/kg** 0.258

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

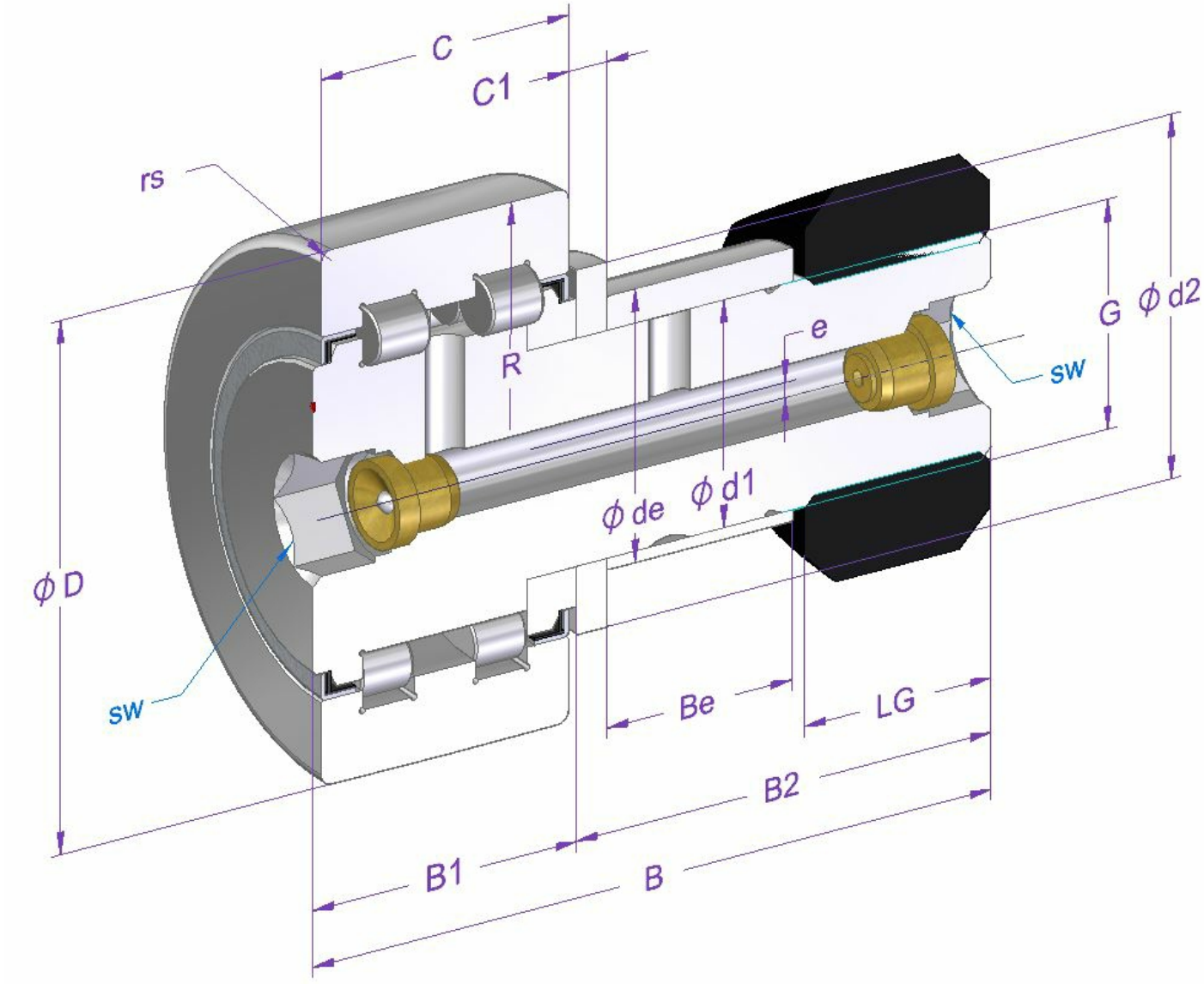
description

PWKRE	Design
40	Size
2RS	Sealing washers on both sides, touching
OP	Optimized profile

greasing

LX3	SHELL GADUS S3 V220C 2

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d1	shaft diameter	18	0 / -18	ISO 7063
d2	inner shoulder diameter	30		
de	eccentric diameter	22	0 / -52	
D	nominal outer diameter	40	0 / -50	WERKSNORM
C	outer ring width	20	0 / -120	620-2
C1	distance	3.8		
B	length	58	-300 / 600	WERKSNORM
B1 max.	width	24.6		
B2	shaft lenght	33.5		
Be	eccentric length	14		

article PWKRE 40 2RS OP LX3 **Art-No.** 49140

dimension	Description	[mm]	tolerance [µm]	DIN/ISO
e	eccentricity	1		
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	12500		
C0rw [N]	Effective static load rating	12000		
Curw [N]	Effective fatigue limit load	1350		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**	**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	15100	1990	281	16100	76
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		
Cylindrical rollers	100Cr6	683-17	58-65
Axial washer	100Cr6	683-17	58-65
Seals	Sheet steel/NBR		
Thrust washer	100Cr6	683-17	58-65

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.