Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

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article PWTR 50 2RS OP LX3 **Art-No.** 50715

brand SKA **weight/kg** 0.95

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

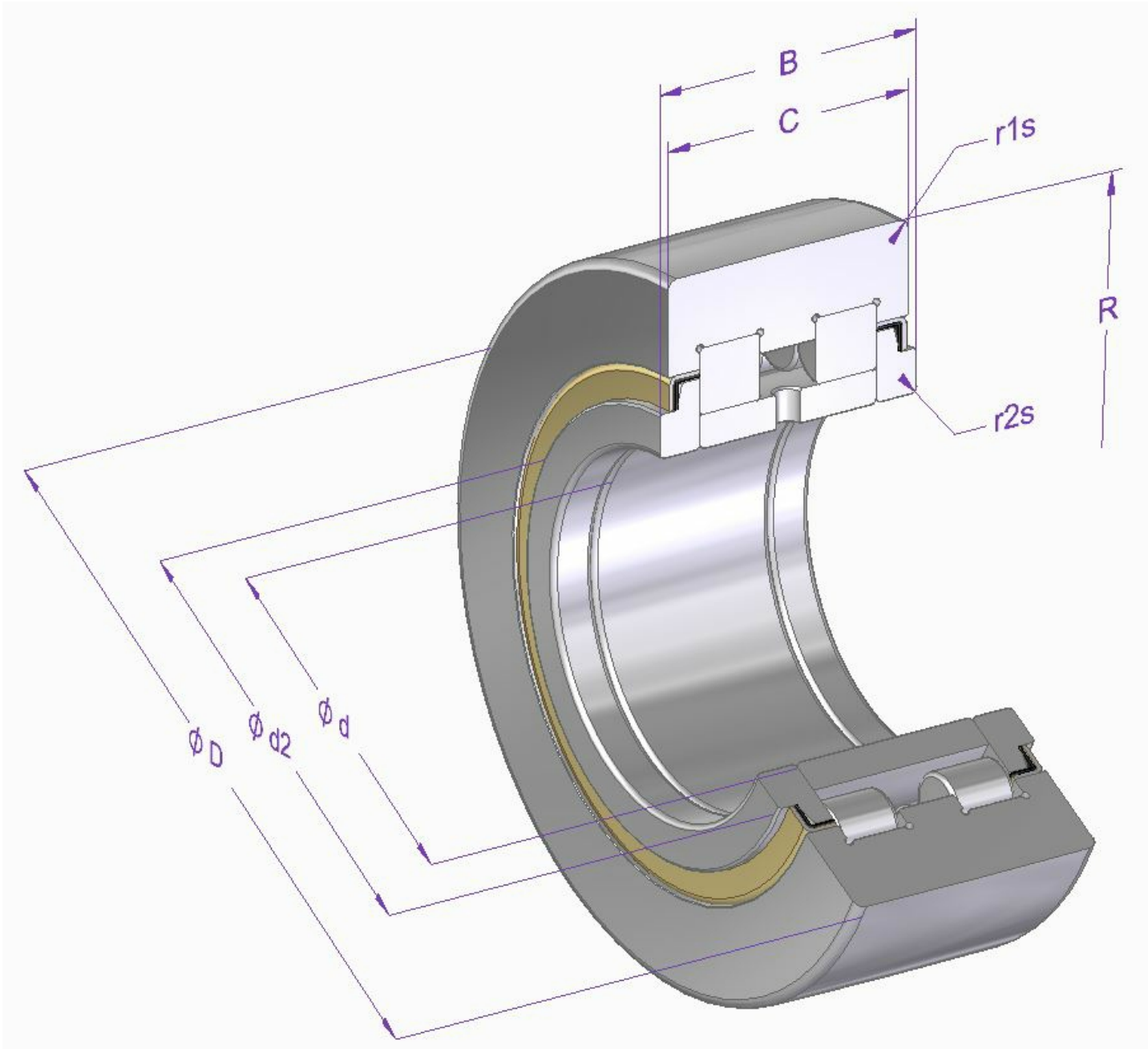
description

PWTR	Design
50	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
d	nominal inner diameter	50	0 / -12	620-2
d2	inner shoulder diameter	59.8		
D	nominal outer diameter	90	0 / -50	WERKSNORM
B	inner ring width	32	0 / -250	WERKSNORM
C	outer ring width	30	0 / -120	620-2

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dimension	Description	[mm]	tolerance [µm]	DIN/ISO
r1s min.	minimal chamfer dimension	1.1		
r2s min.	minimal chamfer dimension	0.6		
R	radius outer ring	OP		
Crw [N]	Effective dynamic load rating	44700		
C0rw [N]	Effective static load rating	51500		
Curw [N]	Effective fatigue limit load	6050		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	72500	13200	281	104000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		1100	

operating temperature	max. [°C]	min. [°C]
	120	-20

bearing clearance	radial min. [µm]	max. [µm]
	5	35

material specification

description	material	DIN/ISO	hardness
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Needle rollers	100Cr6	683-17	58-65
Sealing washers	Sheet steel/NBR		
Axial washers	100Cr6	683-17	58-65

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