Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article STO 20 ZZ OP AF2 **Art-No.** 51385

brand SKA **weight/kg** 0.20

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

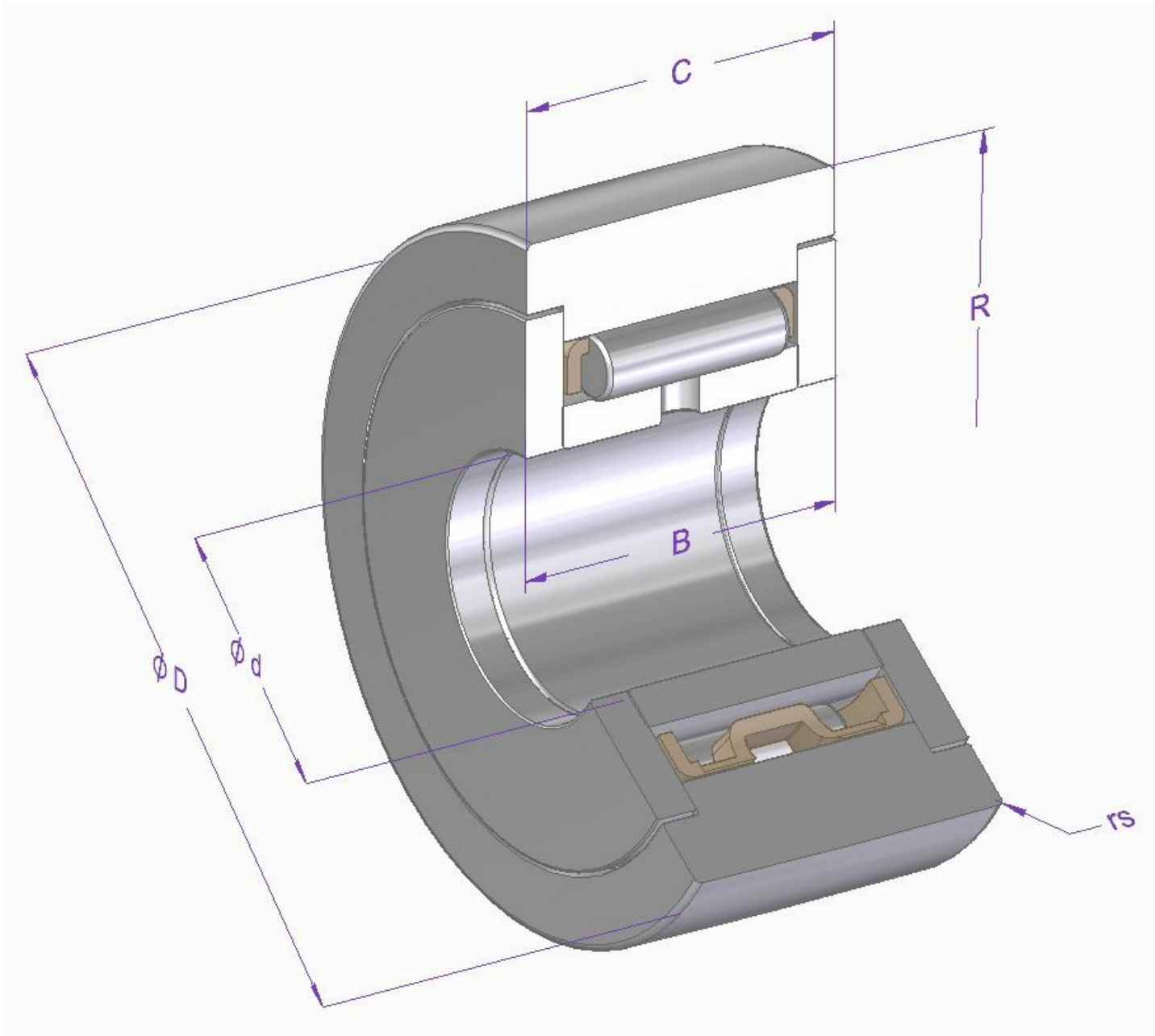
description

STO	Design
20	Size
ZZ	Shields on both sides, not touching
OP	Optimized profile

greasing

AF2	AEROSHELL FLUID 12

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	20	0 / -10	620-2
D	nominal outer diameter	47	0 / -50	WERKSNORM
B	inner ring width	20	0 / -210	WERKSNORM
C	outer ring width	19.8	0 / -120	620-2
rs min.	minimal chamfer dimension	0.3		
R	radius outer ring	OP		
Crw [N]	Effective dynamic load rating	16300		

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dimension	Description	[mm]	tolerance [µm]	DIN/ISO
C0rw [N]	Effective static load rating	18500		
Curw [N]	Effective fatigue limit load	2200		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	19200	3210	281	24400	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		2400	4000

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

bearing clearance	radial min. [µm]	max. [µm]
	10	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
Cage	Sheet steel		
Axial washers	100Cr6	683-17	58-65

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