general data/description

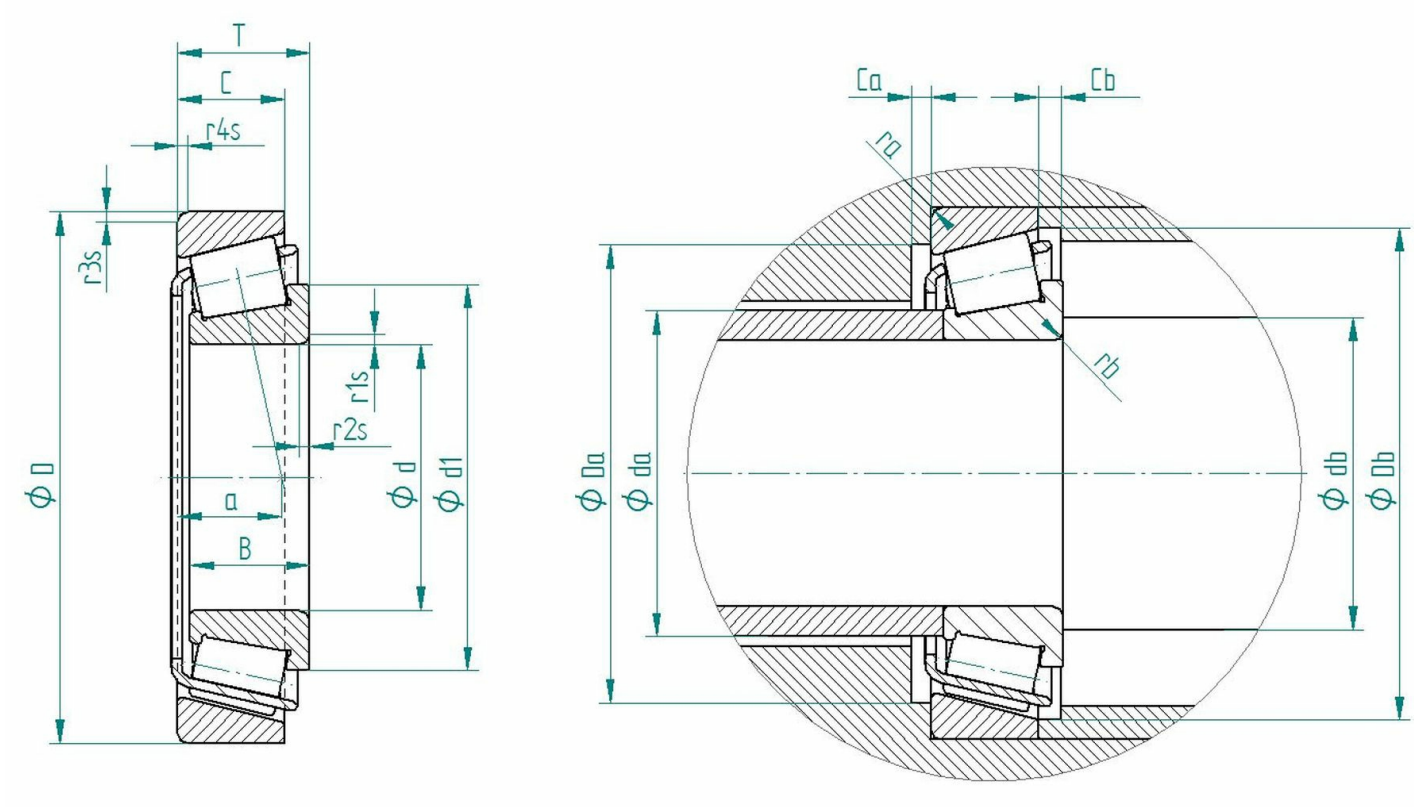
created: 15.03.2018 / 02 page: 1 / 2

article 32310 **Art-No.** 48829 **brand** SKA **weight/kg** 1.84

description **remark** Description according ISO 355: T 2FD 050

32310 Size

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	50	0 / -12	620-2
D	nominal outer diameter	110	0 / -18	620-2
B	inner ring width	40	0 / -120	620-2
C	outer ring width	33	0 / -120	620-2
T	bearing width	42.25	0 / 200	720
r1s min.	minimal chamfer dimension	2.5		720
r2s min.	minimal chamfer dimension	2.5		720
r3s min.	minimal chamfer dimension	2		720
r4s min.	minimal chamfer dimension	2		720
d1	flange diameter of the inner ring	78.4	0 / -300	
a	load application point	28.2		
Da min.	mounting dimension	90		
Da max.	mounting dimension	100		
da max.	mounting dimension	62		
Db min.	mounting dimension	102		
db min.	mounting dimension	60		
Ca min.	mounting dimension	5		
Cb min.	mounting dimension	9		
ra max.	mounting dimension	2		
rb max.	mounting dimension	2.5		
e	calculation factor	0.35		
Y	calculation factor	1.74		
Y0	calculation factor	0.96		

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article 32310 **Art-No.** 48829

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	185000	27700	281	235000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		3600	4800

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

material specification

description	material	DIN/ISO	hardness
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Tapered rollers	100Cr6	683-17	58-65
Cage	Sheet steel		

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