general data/description

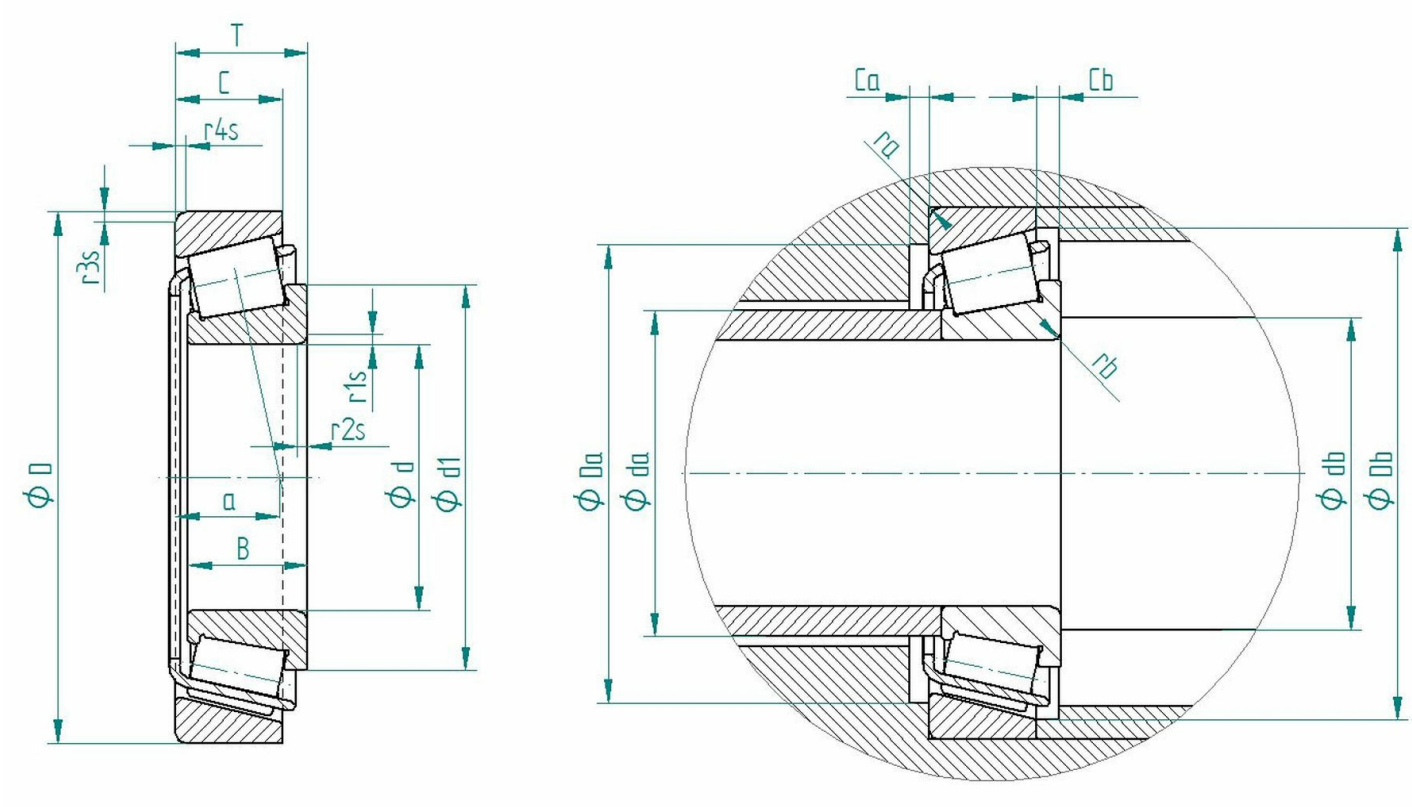
created: 24.11.2016 / 02 page: 1 / 2

article 32309 **Art-No.** 47855 **brand** SKA **weight/kg** 1.38

description **remark** Description according ISO 355: T 2FD 045

32309 Size

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	45	0 / -12	620-2
D	nominal outer diameter	100	0 / -18	620-2
B	inner ring width	36	0 / -120	620-2
C	outer ring width	30	0 / -120	620-2
T	bearing width	38.25	0 / 200	720
r1s min.	minimal chamfer dimension	1.5		720
r2s min.	minimal chamfer dimension	1.5		720
r3s min.	minimal chamfer dimension	2		720
r4s min.	minimal chamfer dimension	2		720
d1	flange diameter of the inner ring	71.1	0 / -300	
a	load application point	25.6		
Da min.	mounting dimension	82		
Da max.	mounting dimension	91		
da max.	mounting dimension	56		
Db min.	mounting dimension	93		
db min.	mounting dimension	54		
Ca min.	mounting dimension	4		
Cb min.	mounting dimension	8		
ra max.	mounting dimension	1.5		
rb max.	mounting dimension	2		
e	calculation factor	0.35		
Y	calculation factor	1.74		
Y0	calculation factor	0.96		

Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

article 32309 **Art-No.** 47855

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	151000	22000	281	188000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4400	5900

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.