general data/description

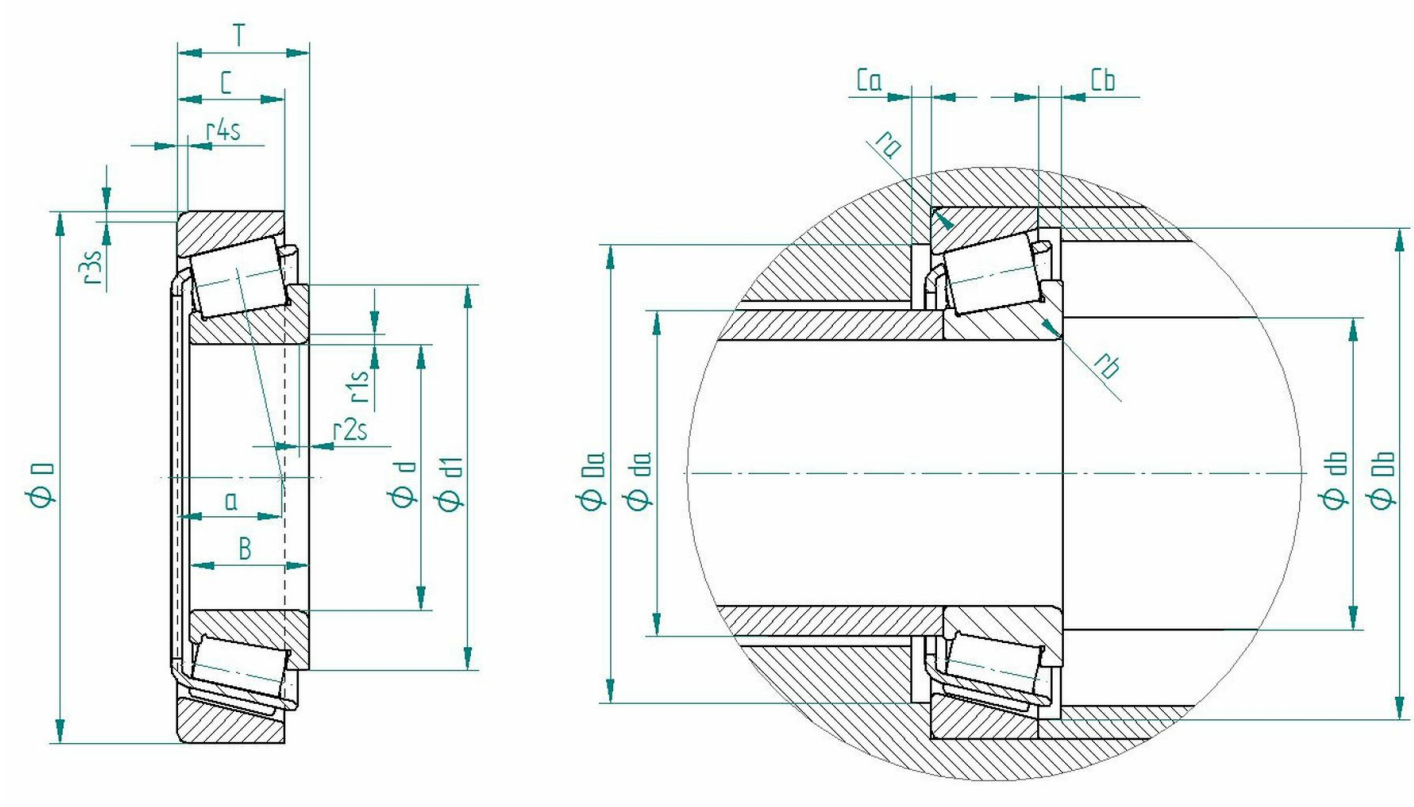
created: 24.04.2017 / 02 page: 1 / 2

article 31307 **Art-No.** 47547 **brand** SKA **weight/kg** 0.525

description **remark** Description according ISO 355: T 7FB 035

31307 Size

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	35	0 / -12	620-2
D	nominal outer diameter	80	0 / -16	620-2
B	inner ring width	21	0 / -120	620-2
C	outer ring width	15	0 / -120	620-2
T	bearing width	22.75	0 / 200	720
r1s min.	minimal chamfer dimension	2		720
r2s min.	minimal chamfer dimension	2		720
r3s min.	minimal chamfer dimension	1.5		720
r4s min.	minimal chamfer dimension	1.5		720
d1	flange diameter of the inner ring	59.1	0 / -300	
a	load application point	~ 25.8		
Da min.	mounting dimension	62		
Da max.	mounting dimension	71		
da max.	mounting dimension	44		
Db min.	mounting dimension	76		
db min.	mounting dimension	44		
Ca min.	mounting dimension	4		
Cb min.	mounting dimension	7.5		
ra max.	mounting dimension	1.5		
rb max.	mounting dimension	2		
e	calculation factor	0.83		
Y	calculation factor	0.73		
Y0	calculation factor	0.4		

Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

article 31307 **Art-No.** 47547

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	64700	7800		281	71100	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		4300	6000			
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.