general data/description

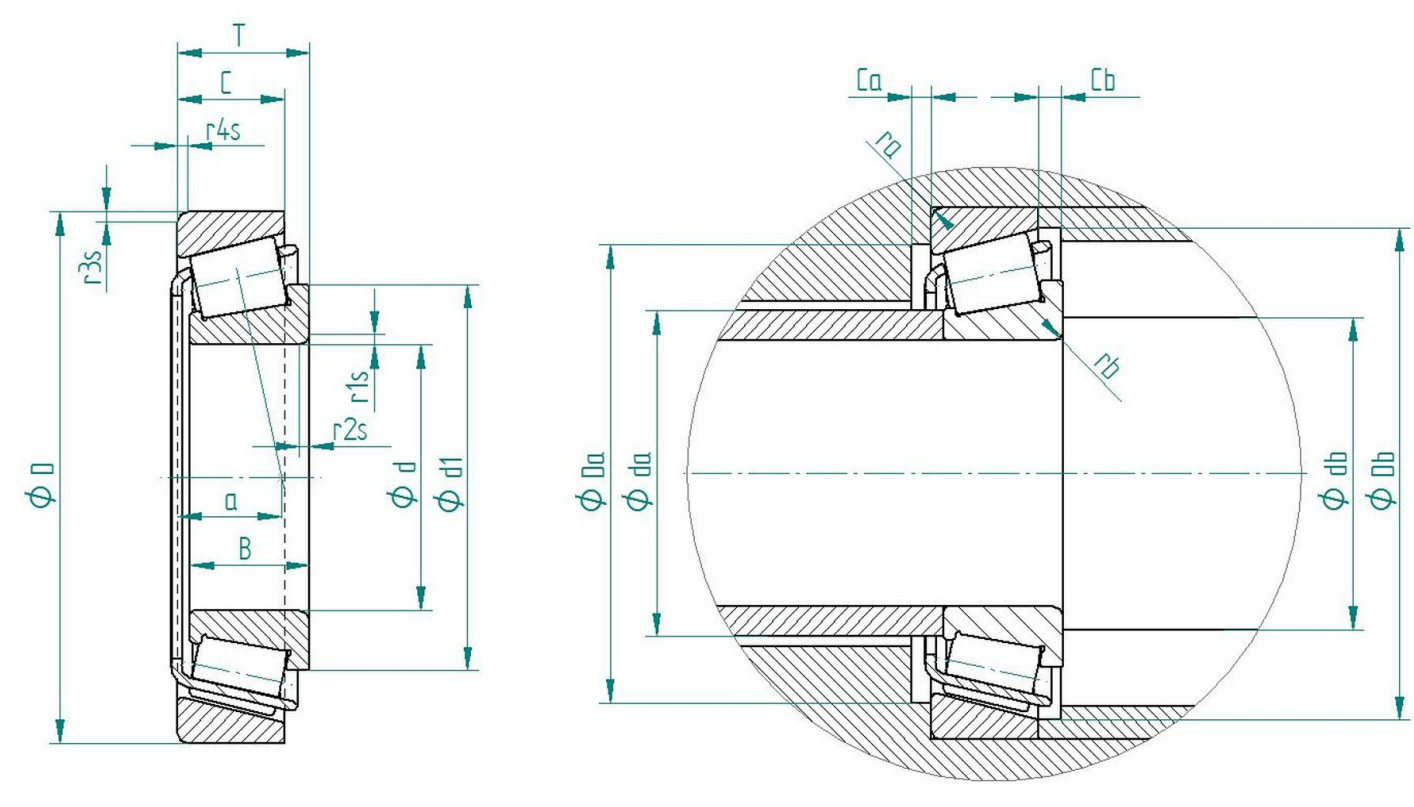
created: 22.03.2017 / 02 page: 1 / 2

article 31306 **Art-No.** 46258 **brand** SKA **weight/kg** 0.375

description **remark** Description according ISO 355: T 7FB 030

31306 Size

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	30	0 / -12	620-2
D	nominal outer diameter	72	0 / -16	620-2
B	inner ring width	19	0 / -120	620-2
C	outer ring width	14	0 / -120	620-2
T	bearing width	20.75	0 / 200	720
r1s min.	minimal chamfer dimension	1.5		720
r2s min.	minimal chamfer dimension	1.5		720
r3s min.	minimal chamfer dimension	1.5		720
r4s min.	minimal chamfer dimension	1.5		720
d1	flange diameter of the inner ring	52.4	0 / -300	
a	load application point	23.1		
Da min.	mounting dimension	55		
Da max.	mounting dimension	65		
da max.	mounting dimension	40		
Db min.	mounting dimension	68		
db min.	mounting dimension	37		
Ca min.	mounting dimension	3		
Cb min.	mounting dimension	6.5		
ra max.	mounting dimension	1.5		
rb max.	mounting dimension	1.5		
e	calculation factor	0.83		
Y	calculation factor	0.73		
Y0	calculation factor	0.4		

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article 31306 **Art-No.** 46258

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	51100	6000	281	55100	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4800	6800

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.