Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

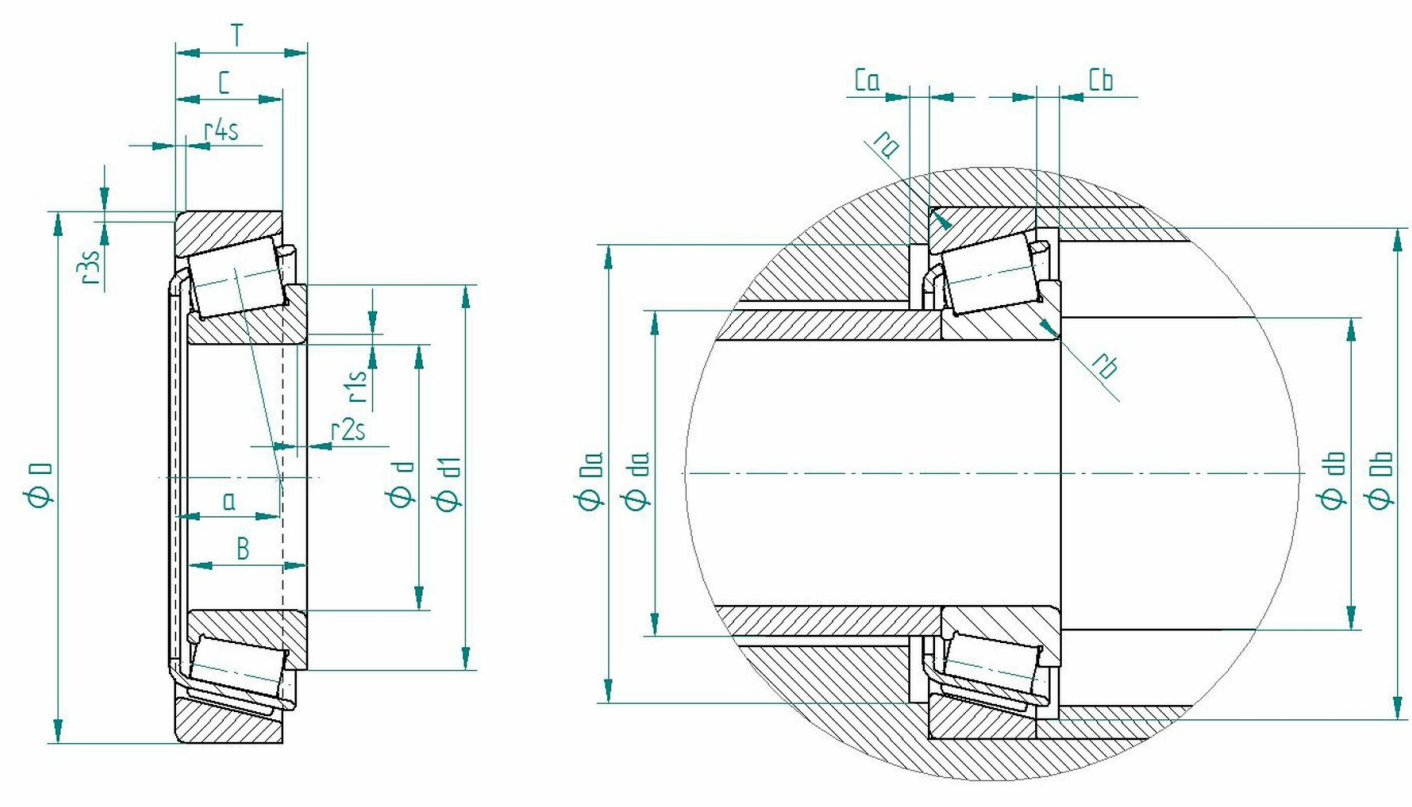
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article 31305 **Art-No.** 45673 **brand** SKA **weight/kg** 0.252

description **remark** Description according ISO 355: T 7FB 025

31305 Size

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -12	620-2
D	nominal outer diameter	62	0 / -16	620-2
B	inner ring width	17	0 / -120	620-2
C	outer ring width	13	0 / -120	620-2
T	bearing width	18.25	0 / 200	720
r1s min.	minimal chamfer dimension	1.5		720
r2s min.	minimal chamfer dimension	1.5		720
r3s min.	minimal chamfer dimension	1.5		720
r4s min.	minimal chamfer dimension	1.5		720
d1	flange diameter of the inner ring	45.3	0 / -250	
a	load application point	20.1		
Da min.	mounting dimension	47		5418
Da max.	mounting dimension	55		5418
da max.	mounting dimension	34		5418
Db min.	mounting dimension	59		5418
db min.	mounting dimension	32		5418
Ca min.	mounting dimension	3		5418
Cb min.	mounting dimension	5		5418
ra max.	mounting dimension	1.5		5418
rb max.	mounting dimension	1.5		5418
e	calculation factor	0.83		
Y	calculation factor	0.73		
Y0	calculation factor	0.4		

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calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	42700	5390	281	46400	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		5600	8000

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		

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