general data/description

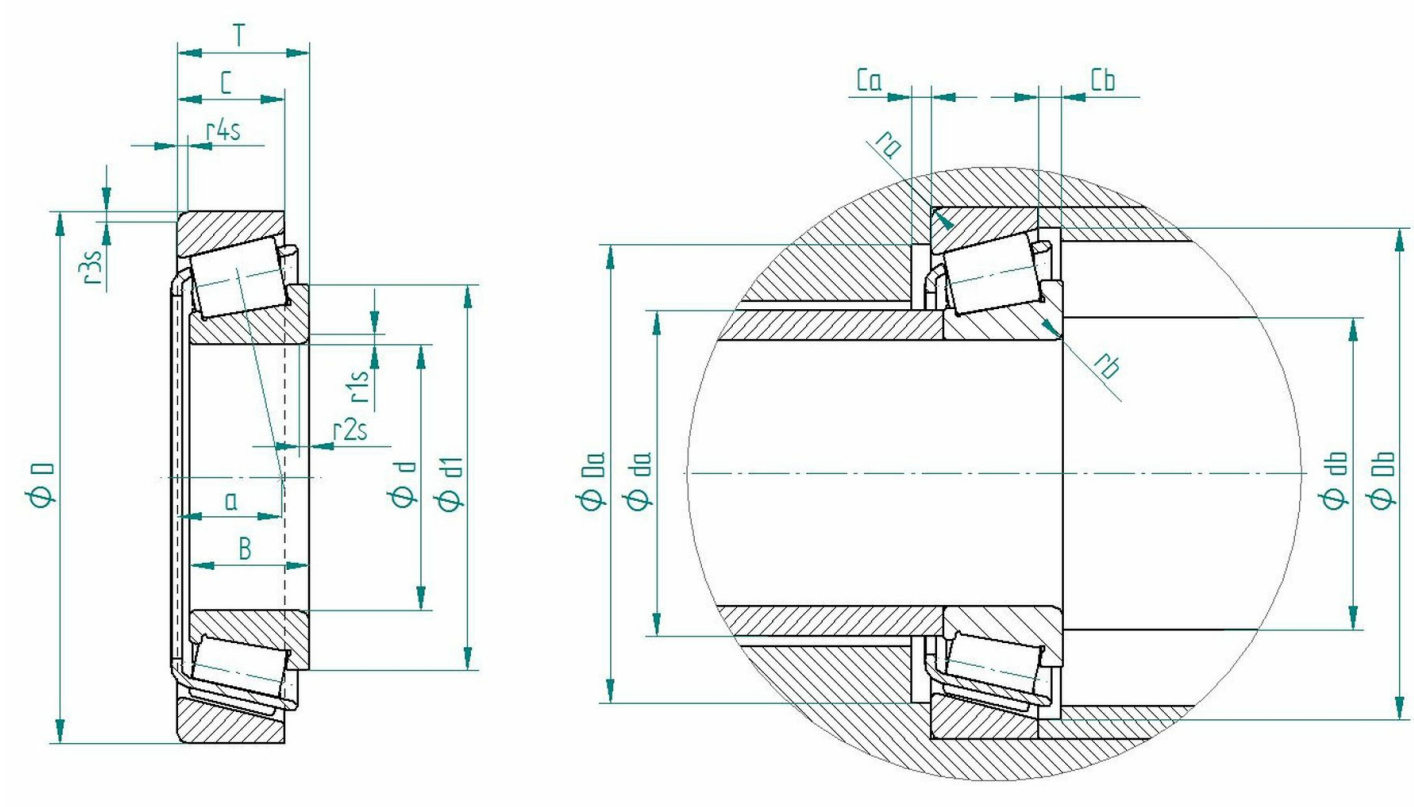
created: 03.09.2024 / 01 page: 1 / 2

article 32205 **Art-No.** 47324 **brand** SKA **weight/kg** 0.189

description **remark** Description according ISO 355: T 2CD 025

32205 Size

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -12	620-2
D	nominal outer diameter	52	0 / -16	620-2
B	inner ring width	18	0 / -120	620-2
C	outer ring width	16	0 / -120	620-2
T	bearing width	19.25	0 / 200	620-2
r1s min.	minimal chamfer dimension	1		720
r2s min.	minimal chamfer dimension	1		720
r3s min.	minimal chamfer dimension	1		720
r4s min.	minimal chamfer dimension	1		720
d1	flange diameter of the inner ring	38.5	0 / -250	WERKSNORM
a	load application point	~13.7		
Da min.	mounting dimension	44		5418
Da max.	mounting dimension	46		5418
da max.	mounting dimension	31		5418
Db min.	mounting dimension	48		5418
db min.	mounting dimension	31		5418
Ca min.	mounting dimension	3		5418
Cb min.	mounting dimension	4		5418
ra max.	mounting dimension	1		5418
rb max.	mounting dimension	1		5418
e	calculation factor	0.36		281
Y	calculation factor	1.67		281
Y0	calculation factor	0.92		76

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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
	43000	5770	281	49000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		7300	9800

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	58-66
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.