Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

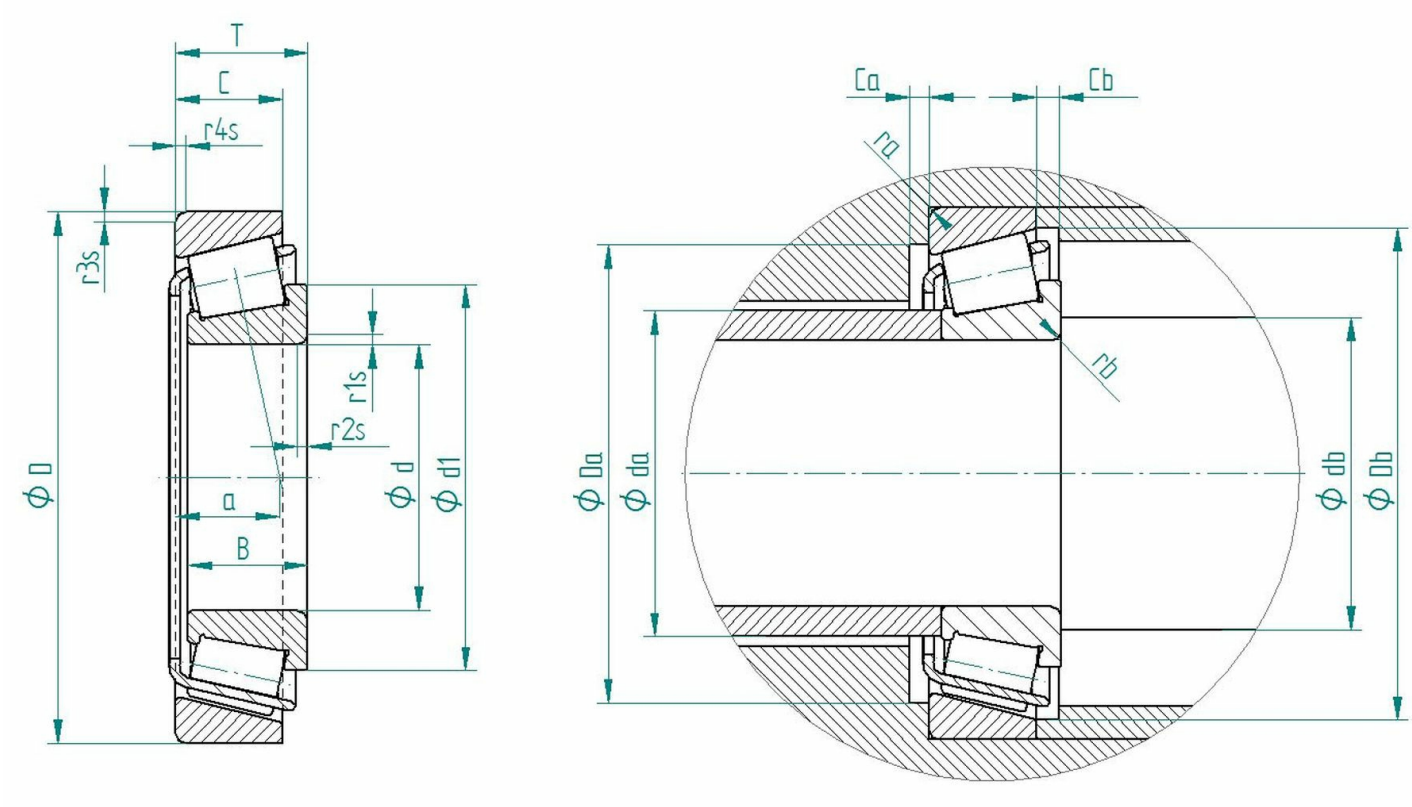
created: 25.08.2023 / 01 page: 1 / 2

article 31311 **Art-No.** 50458 **brand** SKA **weight/kg** 1.54

description
31311 Size

remark Description according ISO 355: T 7FB 055

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	55	0 / -15	620-2
D	nominal outer diameter	120	0 / -18	620-2
B	inner ring width	29	0 / -150	620-2
C	outer ring width	21	0 / -150	620-2
T	bearing width	31.5	0 / 200	720
r1s min.	minimal chamfer dimension	2.5		720
r2s min.	minimal chamfer dimension	2.5		720
r3s min.	minimal chamfer dimension	2		720
r4s min.	minimal chamfer dimension	2		720
d1	flange diameter of the inner ring	87.8	0 / -350	WERKSNORM
a	load application point	37.5		
Da min.	mounting dimension	94		5418
Da max.	mounting dimension	110		5418
da max.	mounting dimension	68		5418
Db min.	mounting dimension	113		5418
db min.	mounting dimension	65		5418
Ca min.	mounting dimension	4		5418
Cb min.	mounting dimension	10.5		5418
ra max.	mounting dimension	2		5418
rb max.	mounting dimension	2.5		5418
e	calculation factor	0.83		281
Y	calculation factor	0.73		281
Y0	calculation factor	0.4		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**
	132000	17700		281	153000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		2800	4000			
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.