Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

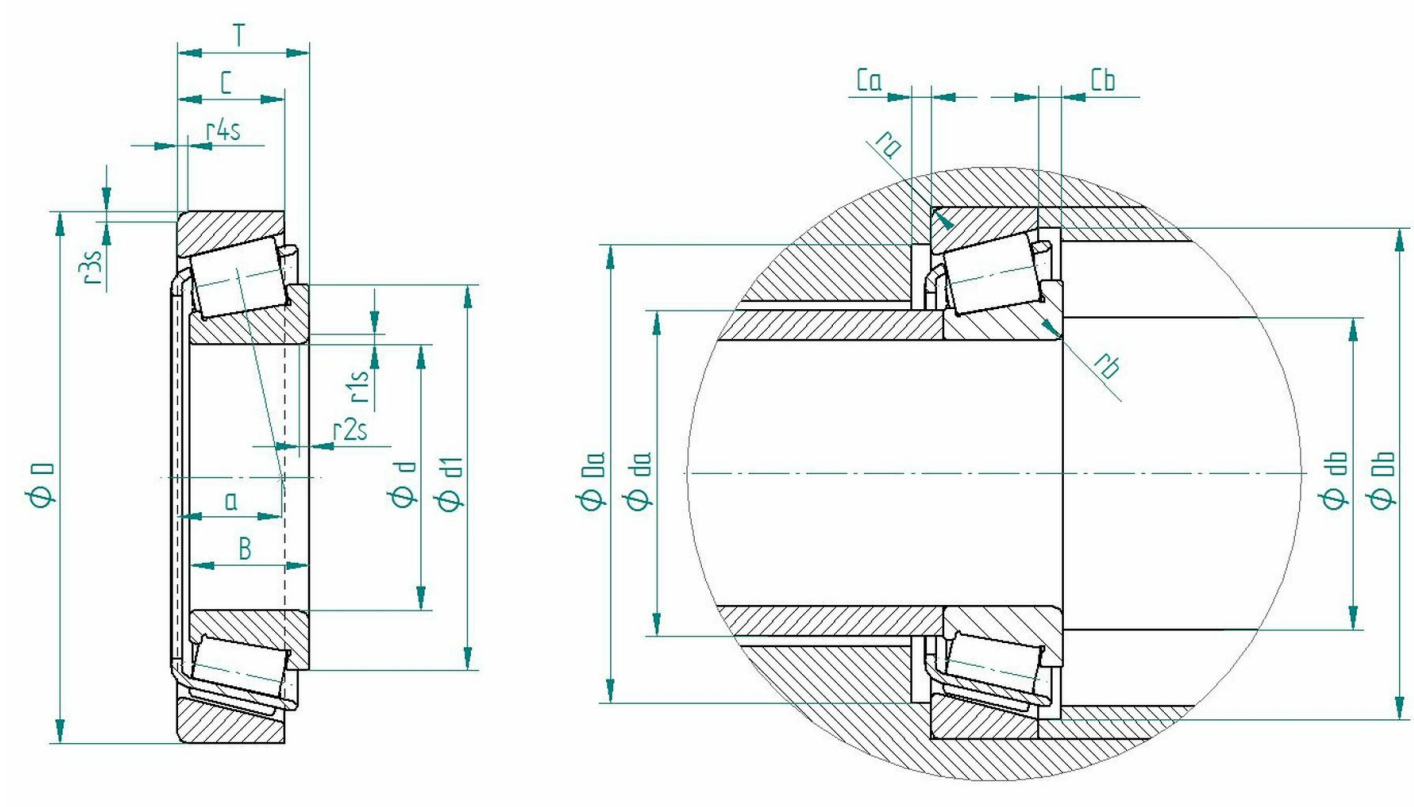
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article 30310 **Art-No.** 46266 **brand** SKA **weight/kg** 1.25

description

30310 Size

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	50	0 / -12	620-2
D	nominal outer diameter	110	0 / -18	620-2
B	inner ring width	27	0 / -120	620-2
C	outer ring width	23	0 / -120	620-2
T	bearing width	29.25	0 / 200	620-2
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	78.1	0 / -300	
a	load application point	~ 23		
Da min.	mounting dimension	95		
Da max.	mounting dimension	100		
da max.	mounting dimension	65		
Db min.	mounting dimension	102		
db min.	mounting dimension	60		
Ca min.	mounting dimension	4		
Cb min.	mounting dimension	6		
ra max.	mounting dimension	2		
rb max.	mounting dimension	2.5		
e	calculation factor	0.35		
Y	calculation factor	1.74		
Y0	calculation factor	0.96		

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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
	135000	18000	281	157000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		3600	4800

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.