Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

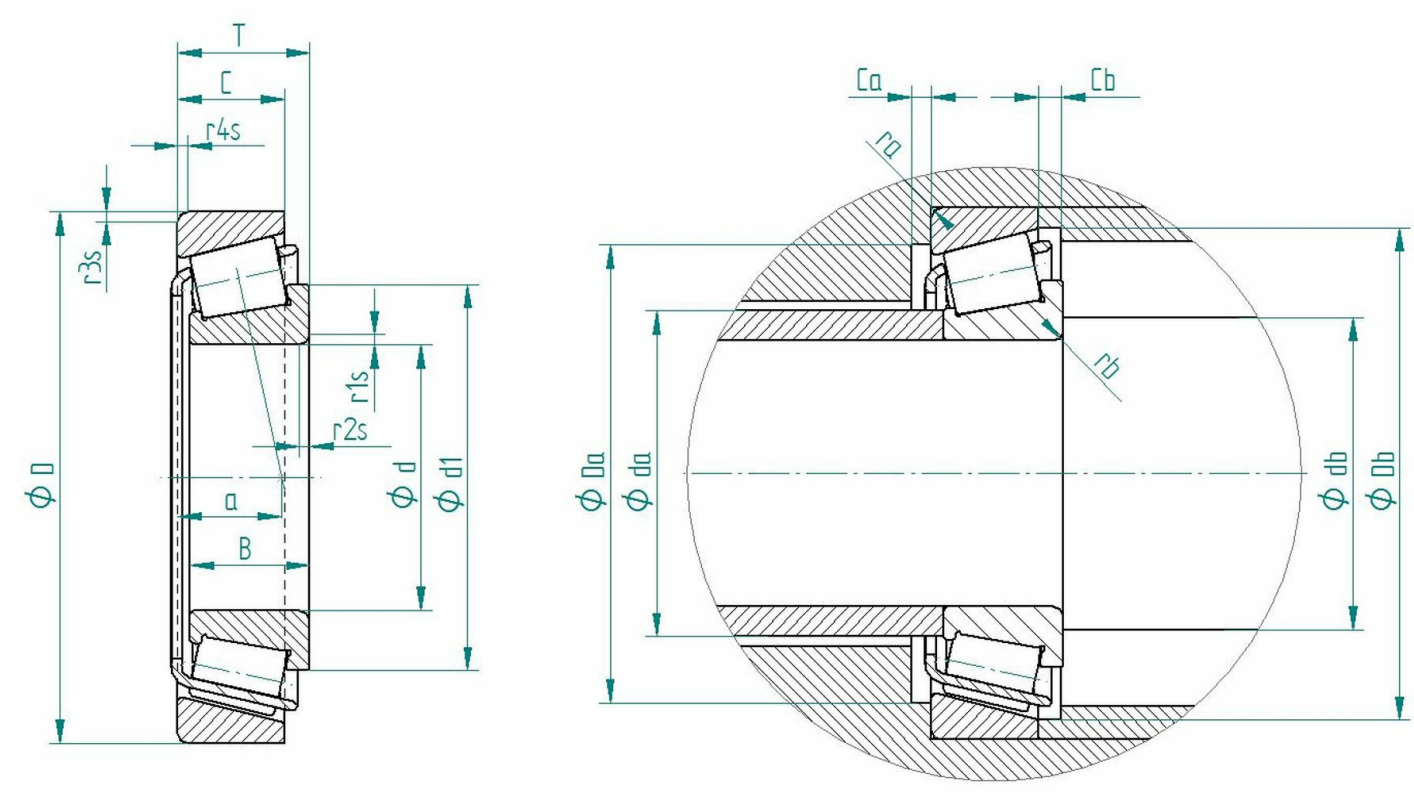
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article 32016 **Art-No.** 40828 **brand** SKA **weight/kg** 1.29

description

32016 Size

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	80	0 / -15	620-2
D	nominal outer diameter	125	0 / -20	620-2
B	inner ring width	29	0 / -150	620-2
C	outer ring width	22	0 / -150	620-2
T	bearing width	29	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	103.6		
a	load application point	26.8		
Da min.	mounting dimension	112		5418
Da max.	mounting dimension	117		5418
da max.	mounting dimension	89		5418
Db min.	mounting dimension	120		5418
db min.	mounting dimension	87		5418
Ca min.	mounting dimension	6		5418
Cb min.	mounting dimension	7		5418
ra max.	mounting dimension	1.5		5418
rb max.	mounting dimension	1.5		5418
e	calculation factor	0.42		
Y	calculation factor	1.42		
Y0	calculation factor	0.78		

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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
	141000	26200	281	220000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		2800	3600

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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