Hans Saurer Kugellager AG
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general data/description

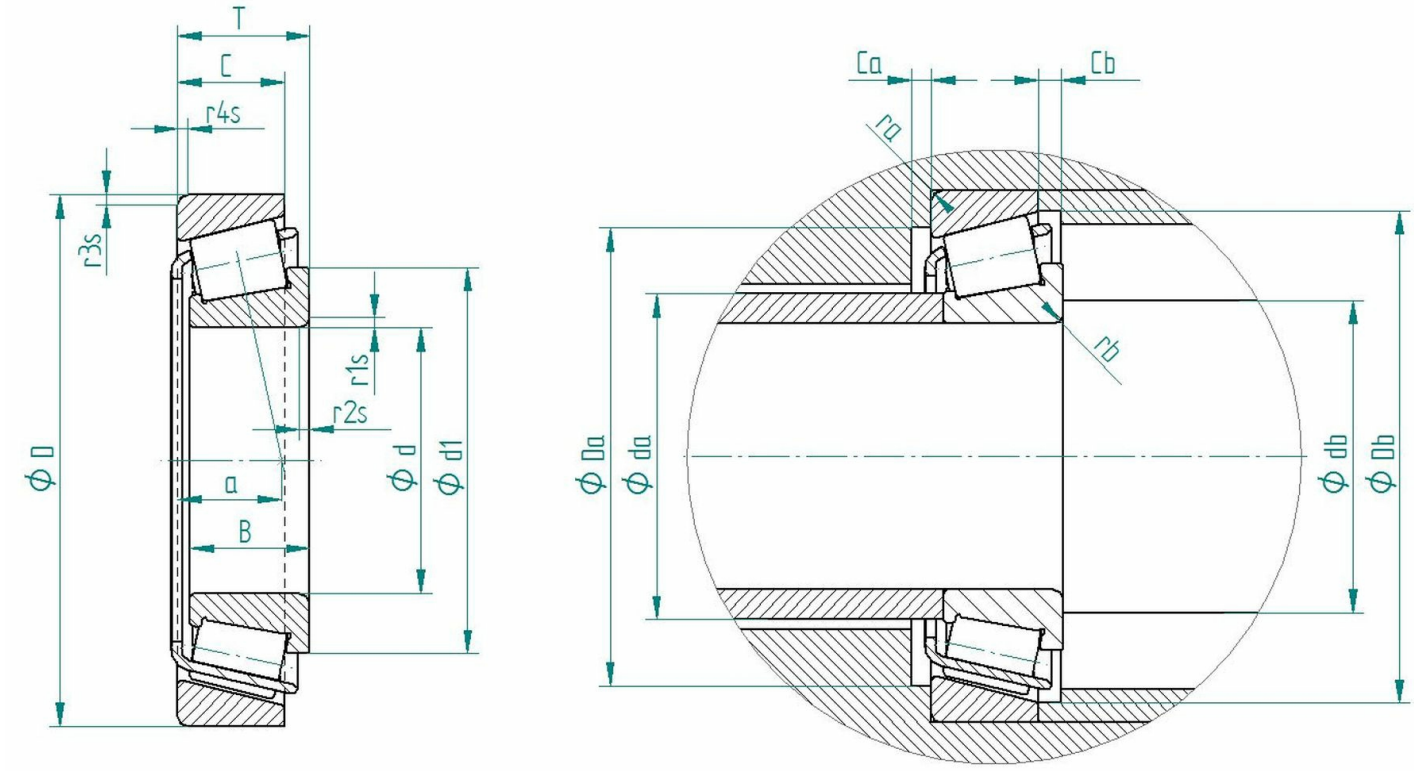
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article LM 12749/10 **Art-No.** 45729 **brand** SKA **weight/kg** 0.129

description

LM Design
12749/10 Size

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	21.986	0 / 13	
D	nominal outer diameter	45.237	0 / 25	
B	inner ring width	16.637	0 / -120	
C	outer ring width	12.065	0 / -120	
T	bearing width	15.494	0 / 200	
r1s min.	minimal chamfer dimension	1.3	0 / 380	
r2s min.	minimal chamfer dimension	1.3	0 / 890	
r3s min.	minimal chamfer dimension	1.3	0 / 580	
r4s min.	minimal chamfer dimension	1.3	0 / 1070	
d1	flange diameter of the inner ring	33.4	0 / -250	
a	load application point	~10		
Da min.	mounting dimension	39		
Da max.	mounting dimension	40		
da max.	mounting dimension	26		
Db min.	mounting dimension	42.5		
db min.	mounting dimension	27.5		
Ca min.	mounting dimension	4		
Cb min.	mounting dimension	3		
ra max.	mounting dimension	1.3		
rb max.	mounting dimension	1.3		
e	calculation factor	0.31		
Y	calculation factor	1.9		
Y0	calculation factor	1.1		

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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
	29100		281	33200	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		8400	11000

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	St12		

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