Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

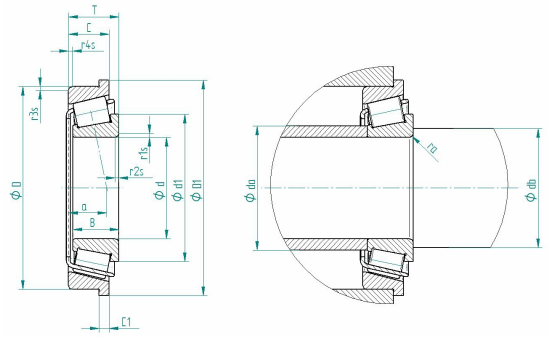
created: 18.12.2017 / 03 page: 1 / 1

article HM 535349/10 B **Art-No.** 48035 **brand** SKA **weight/kg** 12.70

description

HM Design

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	171.45	0 / 25	
D	nominal outer diameter	260.35	0 / 25	
B	inner ring width	66.675	0 / -254	
C	outer ring width	52.388	0 / -254	
T	bearing width	66.676	-254 / 356	
r1s min.	minimal chamfer dimension	3.5		
r2s min.	minimal chamfer dimension	3.5		
r3s min.	minimal chamfer dimension	3.3		
r4s min.	minimal chamfer dimension	3.3		
C1	flange width	11.112		
d1	flange diameter of the inner ring	216.8	0 / -460	
a	load application point	58.17		
da max.	mounting dimension	188		
db min.	mounting dimension	192		
ra max.	mounting dimension	3.5		
e	calculation factor	0.4		
Y	calculation factor	1.5		
Y0	calculation factor	0.8		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	552000	103000	281	1065000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		1200	1600

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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