Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 11.04.2022 / 01 page: 1 / 2

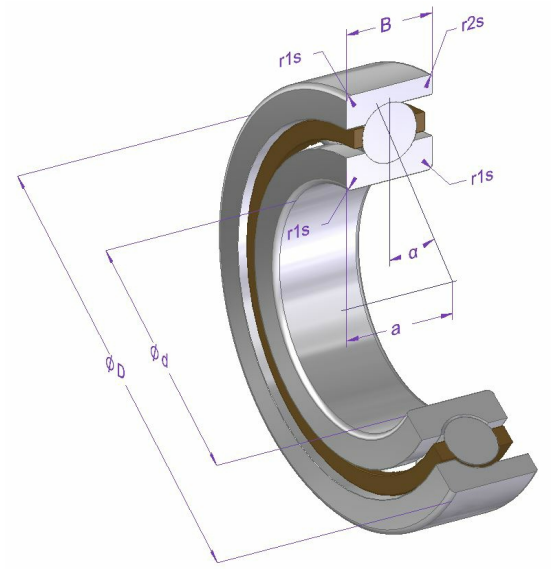
article B 7005 E T U L P4S **Art-No.** 50653 **brand** SKA **weight/kg** 0.088

remark Tolerance class P4S: dimensional accuracy P4, running accuracy P2, according DIN 620-2.

description

B	Design
7005	Size
E	Pressure angle
T	Hard tissue cage
U	Universally pairable
L	Slight preload
P4S	Tolerance class

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -5	620-2
D	nominal outer diameter	47	0 / -6	620-2
B	width	12	0 / -120	620-2
r1s min.	minimal chamfer dimension	0.6		628-6
r2s min.	minimal chamfer dimension	0.6		WERKSNORM
a	load application point	~14.4		
alpha	contact angle	25°		628-6
E dT min.	Minimum diameter injection pitch	33		WERKSNORM
E dT max.	Maximum diameter injection pitch	34		WERKSNORM
Fv	pretension [N]	99		
c	axial stiffness [N/µm]	67.2		
KaE	Lift-off force [N]	290		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	13100	600	281	5600	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		30000	45000

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
Balls	100Cr6	683-17	58-65
Cage	PF		

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