Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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article B 7005 E 2RSD T P4S UL BI4 **Art-No.** 46886

brand SKA **weight/kg** 0.088

remark Tolerance class P4S: dimensional accuracy P4, running accuracy P2, according DIN 620-2. The tolerances and the load rating and rotation speed information refer to the single bearing. The valid factors for bearing sets must be observed. In case of doubt, contact the technical service of SKA. Temperature limit due to the seal.

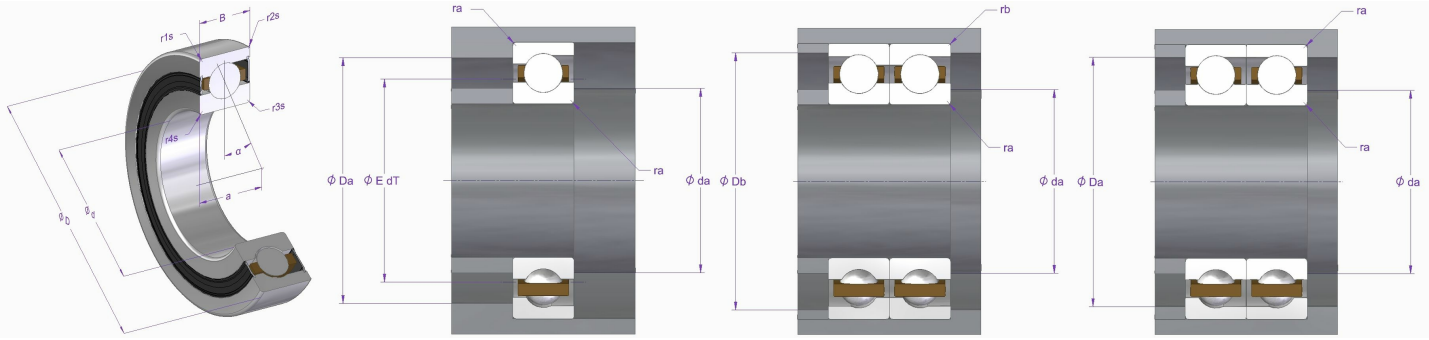
description

B	Design
7005	Size
E	Pressure angle
2RSD	Sealing washers on both sides, not touching
T	Hard tissue cage
P4S	Tolerance class
UL	Universally pairable, Slight preload

greasing

BI4	KLÜBER ISOFLEX NBU 15

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	0.3		628-6
r3s min.	minimal chamfer dimension	0.6		628-6
r4s min.	minimal chamfer dimension	0.6		628-6
alpha	contact angle	25°		628-6
a	load application point	~14.4		
da	mounting dimension	29.8	0 / 200	WERKSNORM
Da	mounting dimension	42	0 / 300	WERKSNORM
ra max.	mounting dimension	0.6		5418
db	mounting dimension	29.8	0 / 200	WERKSNORM
Db max.	mounting dimension	44.5		WERKSNORM
rb max.	mounting dimension	0.3		5418
Fv	pretension [N]	99		
c	axial stiffness [N/µm]	67		
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
	13000	397	281	7630	76

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

operating temperature	max. [°C]	min. [°C]
	120	-30

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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	58-66
Cage	PF		
Sealing washers	St12/NBR		

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