Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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article B 7000 E 2RSD T P4S UL BI4 **Art-No.** 50479

brand SKA **weight/kg** 0.019

remark Tolerance class P4S: dimensional accuracy P4, running accuracy P2, according DIN 620-2. Load and speed data refer to the single bearing. When installing in sets, please contact SKA's technical service. Temperature limit due to the seal.

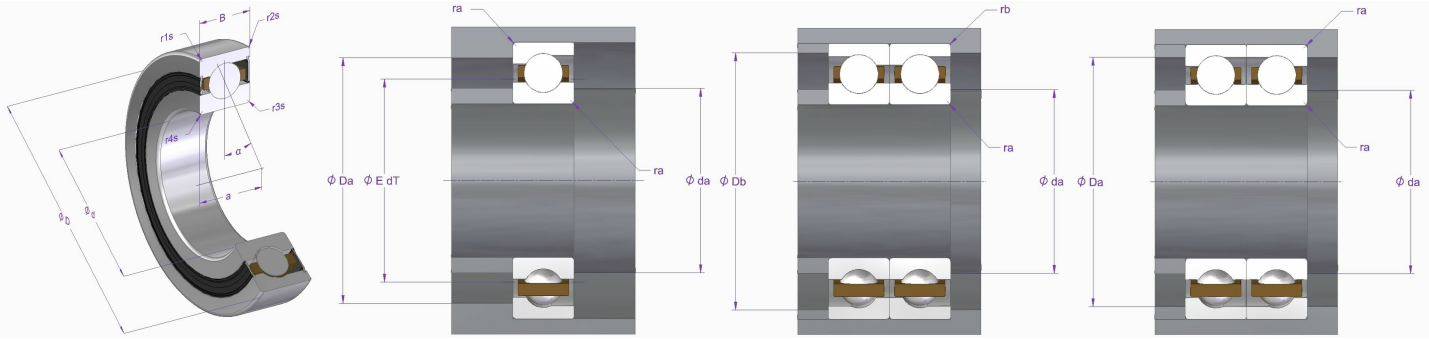
description

B	Design
7000	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	10	0 / -4	620-2
D	nominal outer diameter	26	0 / -5	620-2
B	width	8	0 / -40	620-2
r1s min.	minimal chamfer dimension	0.3		628-6
r2s min.	minimal chamfer dimension	0.3		WERKSNORM
r3s min.	minimal chamfer dimension	0.3		628-6
r4s min.	minimal chamfer dimension	0.3		628-6
alpha	contact angle	25°		628-6
a	load application point	~8.2		
da	mounting dimension	13.8	0 / 200	WERKSNORM
Da	mounting dimension	22	0 / 200	WERKSNORM
ra max.	mounting dimension	0.3		5418
db	mounting dimension	13.8	0 / 200	WERKSNORM
Db max.	mounting dimension	24.8		WERKSNORM
rb max.	mounting dimension	0.1		5418
Fv	pretension [N]	21		
c	axial stiffness [N/µm]	28		
KaE	Lift-off force [N]	61		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	4470	103	281	1990	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		60000	

operating temperature	max. [°C]	min. [°C]
	80	-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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