Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

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article B 7001 E T 2RSD U L P4S **Art-No.** 50434 BI4

brand SKA **weight/kg** 0.023

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

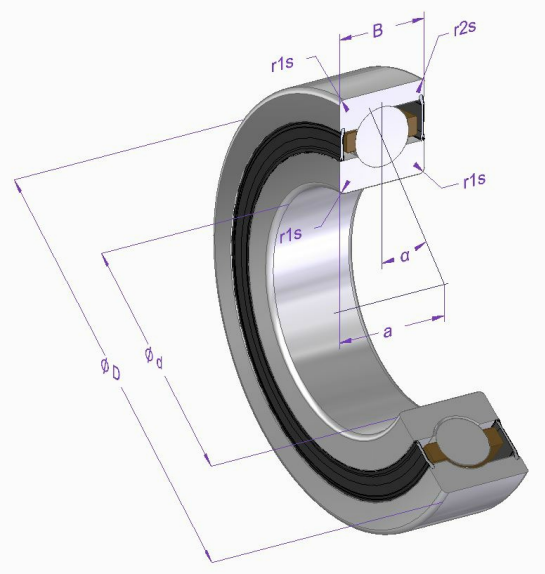
description

B	Design
7001	Size
E	Pressure angle
T	Hard tissue cage
2RSD	Sealing washers on both sides, not touching
U	Universally pairable
L	Slight preload
P4S	Tolerance class

greasing

BI4	KLÜBER ISOFLEX NBU 15

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	12	0 / -4	620-2
D	nominal outer diameter	28	0 / -5	620-2
B	width	8	0 / -80	620-2
r1s min.	minimal chamfer dimension	0.3		616
r2s min.	minimal chamfer dimension	0.3		616
a	load application point	8.7		
alpha	contact angle	25°		
Fv	pretension [N]	23		
c	axial stiffness [N/µm]	31.8		
KaE	Lift-off force [N]	66		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	4550	185	281	1750	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		53000	

operating temperature	max. [°C]	min. [°C]
	120	-20

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BI4

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		
Sealing washers	St12/NBR		

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.