Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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article HCB 7014 E T 2RSD U L P4S BS2 **Art-No.** 52639

brand SKA **weight/kg** 0.625

remark Tolerance class P4S: dimensional accuracy P4, running accuracy P2, according DIN 620-2. C0 for hybrid according DIN ISO 76 Bbl 2 - is lower than standard. Rate of rotation = 1.25 x standard.

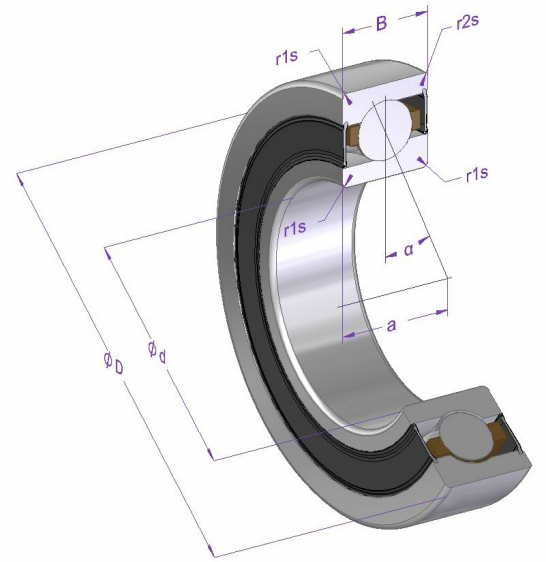
description

HCB	Design
7014	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

BS2	KLÜBER SPEED BF 72-22

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	70	0 / -7	620-2
D	nominal outer diameter	110	0 / -8	620-2
B	width	20	0 / -150	620-2
r1s min.	minimal chamfer dimension	1.1		628-6
r2s min.	minimal chamfer dimension	0.6		628-6
a	load application point	31		
alpha	contact angle	25°		628-6
Fv	pretension [N]	188		
c	axial stiffness [N/µm]	134		
KaE	Lift-off force [N]	540		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	45800	1500	281	28800	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		16000	

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

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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	Si3N4		
Cage	PF		
Sealing washers	St12/NBR		

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