Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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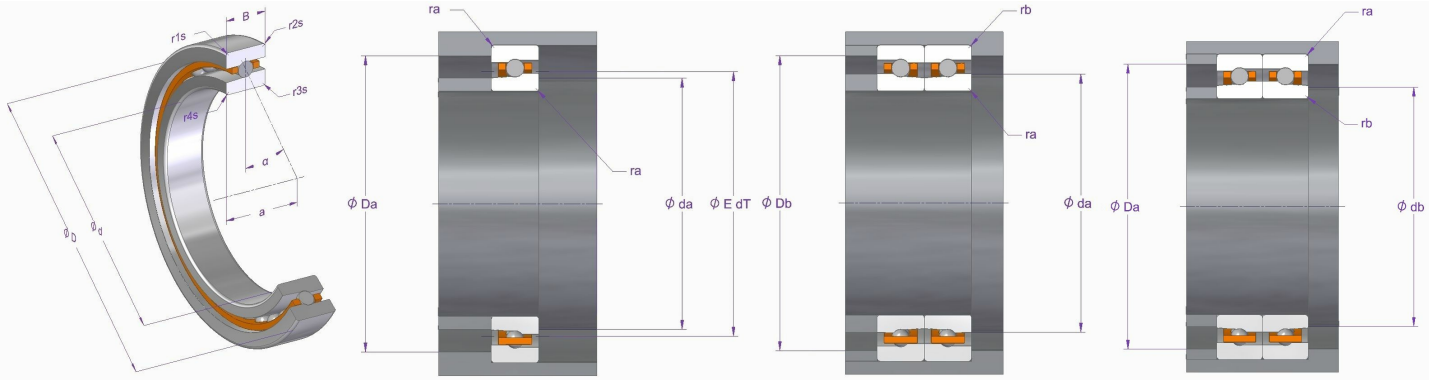
article HS 71909 C T U L P4S **Art-No.** 51619 **brand** SKA **weight/kg** 0.13

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.

description

HS	Design
71909	Size
C	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	45	0 / -6	620-2
D	nominal outer diameter	68	0 / -7	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
r3s min.	minimal chamfer dimension	0.6		628-6
r4s min.	minimal chamfer dimension	0.6		628-6
alpha	contact angle	15°		
a	load application point	~13.6		
da min.	mounting dimension	50		628-6
Da max.	mounting dimension	59		WERKSNORM
ra max.	mounting dimension	0.6		628-6
db min.	mounting dimension	50		WERKSNORM
Db max.	mounting dimension	60		WERKSNORM
rb max.	mounting dimension	0.1		628-6
E dT min.	Minimum diameter injection pitch	54		WERKSNORM
E dT max.	Maximum diameter injection pitch	55		WERKSNORM
Fv	pretension [N]	34		
c	axial stiffness [N/µm]	30.8		
KaE	Lift-off force [N]	100		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	10100	515	281	9970	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		28000	43000

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	100Cr6	683-17	58-66
Cage	PF		

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