Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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article HCB 71905 C T DU L P4S **Art-No.** 47984

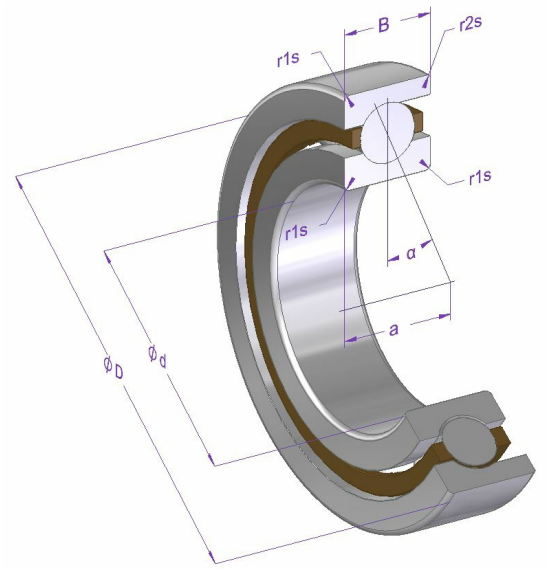
brand SKA **weight/kg** 0.05

remark 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.

description

HCB	Design
71905	Size
C	Pressure angle
T	Hard tissue cage
DU	Bearing-set
L	Slight preload
P4S	Tolerance class

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -5	620-2
D	nominal outer diameter	42	0 / -6	620-2
B	width	9	0 / -120	620-2
r1s min.	minimal chamfer dimension	0.3		628-6
r2s min.	minimal chamfer dimension	0.15		628-6
a	load application point	~9		
alpha	contact angle	15°		628-6
Fv	pretension [N]	14		
c	axial stiffness [N/µm]	19.4		
KaE	Lift-off force [N]	39		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	8000	295	281	3650	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		50000	75000

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

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		

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