Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article B 71905 C T P4S UL **Art-No.** 46729

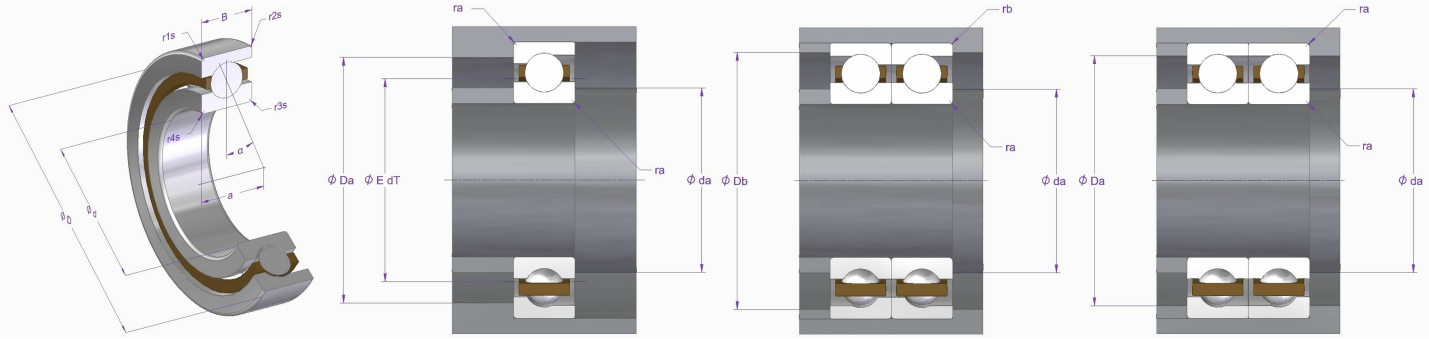
brand SKA **weight/kg** 0.042

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

description

B	Design
71905	Size
C	Pressure angle
T	Hard tissue cage
P4S	Tolerance class
UL	Universally pairable, Slight preload

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
r3s min.	minimal chamfer dimension	0.3		628-6
r4s min.	minimal chamfer dimension	0.3		628-6
alpha	contact angle	15°		628-6
a	load application point	~9.0		
da	mounting dimension	28.8	0 / 200	WERKSNORM
Da	mounting dimension	38.5	0 / 300	WERKSNORM
ra max.	mounting dimension	0.3		628-6
db	mounting dimension	28.8	0 / 200	WERKSNORM
Db max.	mounting dimension	40.8		WERKSNORM
rb max.	mounting dimension	0.1		628-6
Fv	pretension [N]	41		
c	axial stiffness [N/µm]	54		
KaE	Lift-off force [N]	115		
E dT	Diameter injection pitch	31	0 / 1000	WERKSNORM

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	9050	300	281	5760	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		36000	56000

operating temperature	max. [°C]	min. [°C]
	100	-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		

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