Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

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article B 71916 C T P4S UL **Art-No.** 55263

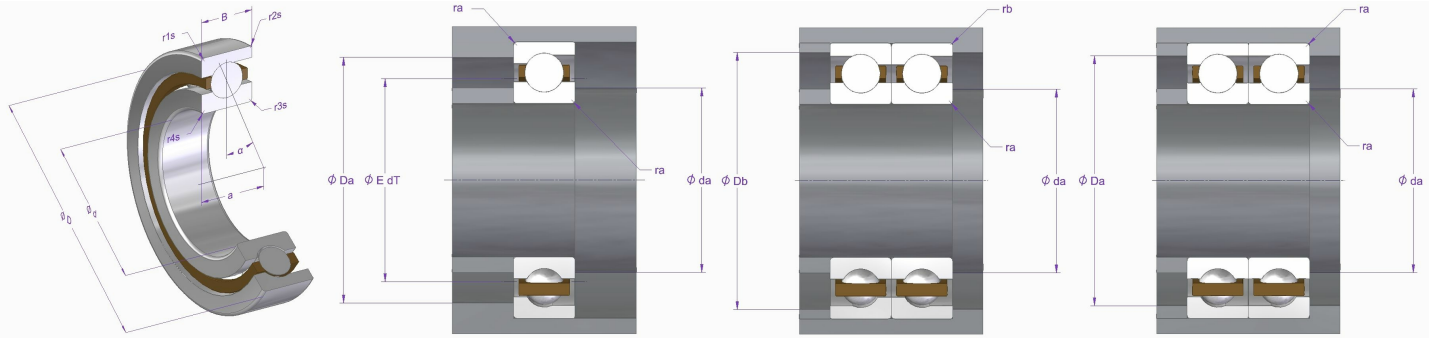
brand SKA **weight/kg** 0.732

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

B	Design
71916	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	80	0 / -7	620-2
D	nominal outer diameter	110	0 / -8	620-2
B	width	16	0 / -150	620-2
r1s min.	minimal chamfer dimension	1		WERKSNORM
r2s min.	minimal chamfer dimension	0.3		628-6
r3s min.	minimal chamfer dimension	1		WERKSNORM
r4s min.	minimal chamfer dimension	1		WERKSNORM
alpha	contact angle	15°		628-6
a	load application point	~20.7		
da	mounting dimension	85.7	0 / 300	WERKSNORM
Da	mounting dimension	104	0 / 400	WERKSNORM
ra max.	mounting dimension	0.6		628-6
db	mounting dimension	85.7	0 / 300	WERKSNORM
Db max.	mounting dimension	105		WERKSNORM
rb max.	mounting dimension	0.3		628-6
Fv	pretension [N]	174		
c	axial stiffness [N/µm]	70		
KaE	Lift-off force [N]	532		
E dT	Diameter injection pitch	90.1	0 / 1700	WERKSNORM

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	38300	1880	281	36100	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		12000	19000

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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