general data/description

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article HC 71916 E T 2RSD U L P4S BS2 **Art-No.** 47247

brand SKA **weight/kg** 0.38

remark Tolerance class P4S: dimensional accuracy P4, running accuracy P2, according DIN 620-2. C0r for hybrid according DIN ISO 76 Bbl 2 - is lower than standard. Rate of rotation = 1.25 x standard. 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.

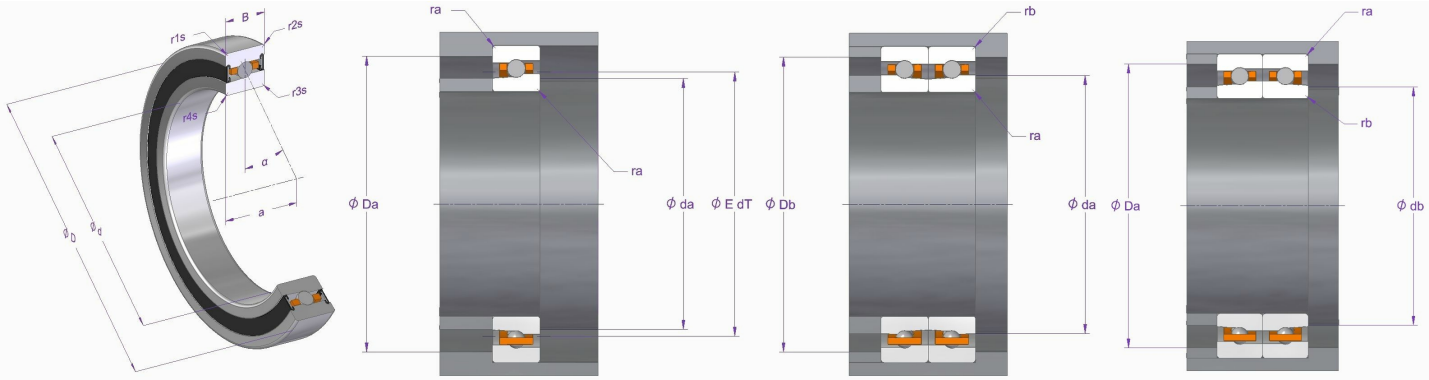
description

HC	Design
71916	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	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	1		WERKSNORM
r3s min.	minimal chamfer dimension	1		WERKSNORM
r4s min.	minimal chamfer dimension	1		WERKSNORM
a	load application point	~30.1		
alpha	contact angle	25°		628-6
Fv	pretension [N]	79		
c	axial stiffness [N/µm]	130.2		
KaE	Lift-off force [N]	226		
Da max.	mounting dimension	104		628-6
da min.	mounting dimension	86		628-6
ra max.	mounting dimension	0.6		628-6
Db max.	mounting dimension	104.5		WERKSNORM
db min.	mounting dimension	86		628-6
rb max.	mounting dimension	0.3		628-6

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	19800	885	281	17000	76

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

operating temperature	max. [°C]	min. [°C]
	120	-50

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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		60-66
Cage	PF		
Sealing washers	St12/NBR		

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