general data/description

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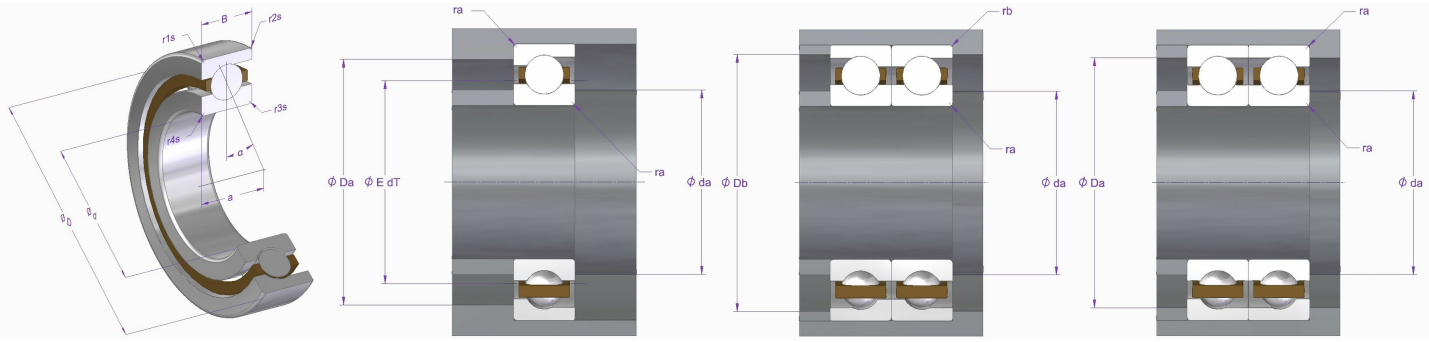
article B 71903 E T U L P4S **Art-No.** 51121 **brand** SKA **weight/kg** 0.024

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

description

B	Design
71903	Size
E	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	17	0 / -4	620-2
D	nominal outer diameter	30	0 / -5	620-2
B	width	7	0 / -80	620-2
r1s min.	minimal chamfer dimension	0.3		628-6
r2s min.	minimal chamfer dimension	0.3		WERKSNORM
r3s min.	minimal chamfer dimension	0.3		628-6
r4s min.	minimal chamfer dimension	0.3		628-6
a	load application point	~9		
alpha	contact angle	25°		628-6
Da max.	mounting dimension	28		5418
da min.	mounting dimension	19		5418
ra max.	mounting dimension	0.3		5418
Db max.	mounting dimension	28		5418
rb max.	mounting dimension	0.1		5418
E dT min.	Minimum diameter injection pitch	21.4		
E dT max.	Maximum diameter injection pitch	21.9		
Fv	pretension [N]	22		
c	axial stiffness [N/µm]	39.2		
KaE	Lift-off force [N]	65		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	5000	157	281	3020	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		45000	70000

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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