general data/description

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article B 7012 C T P4S UL **Art-No.** 51677

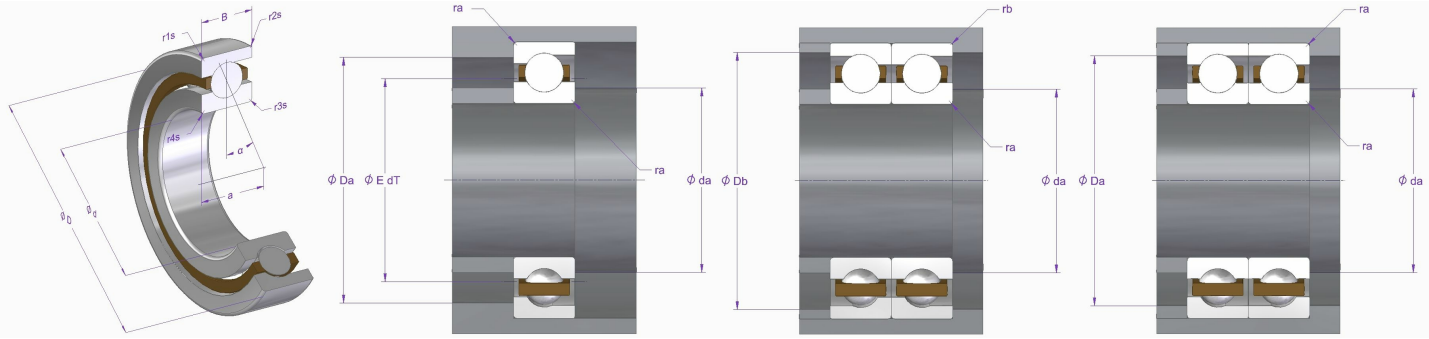
brand SKA **weight/kg** 0.45

description

B	Design
7012	Size
C	Pressure angle
T	Hard tissue cage
P4S	Tolerance class
UL	Universally pairable, Slight preload

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.

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	60	0 / -7	620-2
D	nominal outer diameter	95	0 / -8	620-2
B	width	18	0 / -150	620-2
r1s min.	minimal chamfer dimension	1.1		628-6
r2s min.	minimal chamfer dimension	0.6		628-6
r3s min.	minimal chamfer dimension	1.1		628-6
r4s min.	minimal chamfer dimension	1.1		628-6
alpha	contact angle	15°		628-6
a	load application point	~19.4		
da	mounting dimension	66.7	0 / 300	WERKSNORM
Da	mounting dimension	88	0 / 400	WERKSNORM
ra max.	mounting dimension	1		5418
db	mounting dimension	66.7	0 / 300	WERKSNORM
Db max.	mounting dimension	90		WERKSNORM
rb max.	mounting dimension	0.6		5418
Fv	pretension [N]	209		
c	axial stiffness [N/µm]	64		
KaE	Lift-off force [N]	647		
E dT	Diameter injection pitch	71.4	0 / 3000	WERKSNORM

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	38800	1590	281	30700	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		15000	22000

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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