general data/description

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article B 7205 E T U L P4S **Art-No.** 50492

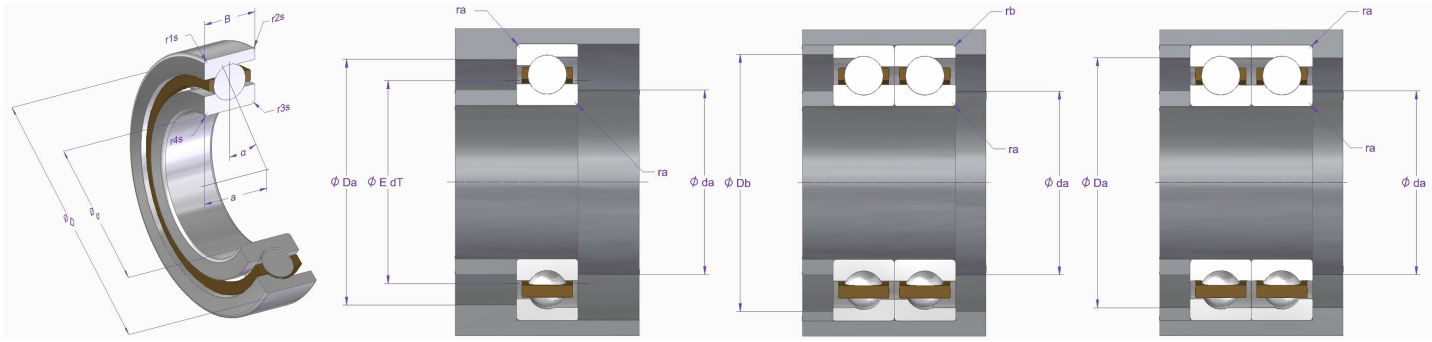
brand SKA **weight/kg** 0.125

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
7205	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	25	0 / -5	620-2
D	nominal outer diameter	52	0 / -7	620-2
B	width	15	0 / -120	620-2
r1s min.	minimal chamfer dimension	1		628-1
r2s min.	minimal chamfer dimension	0.6		628-1
r3s min.	minimal chamfer dimension	1		628-1
r4s min.	minimal chamfer dimension	1		628-1
a	load application point	~16.5		
alpha	contact angle	25°		
Fv	pretension [N]	114		
c	axial stiffness [N/µm]	69.2		
KaE	Lift-off force [N]	333		
Da max.	mounting dimension	45.5		WERKSNORM
da min.	mounting dimension	31.5		WERKSNORM
ra max.	mounting dimension	1		WERKSNORM
Db max.	mounting dimension	45.5		WERKSNORM
rb max.	mounting dimension	0.6		WERKSNORM
E dT min.	Minimum diameter injection pitch	35.3		WERKSNORM
E dT max.	Maximum diameter injection pitch	35.7		WERKSNORM

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	15000	465	281	8960	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		26000	40000

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	58-65
Cage	PF		

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