Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

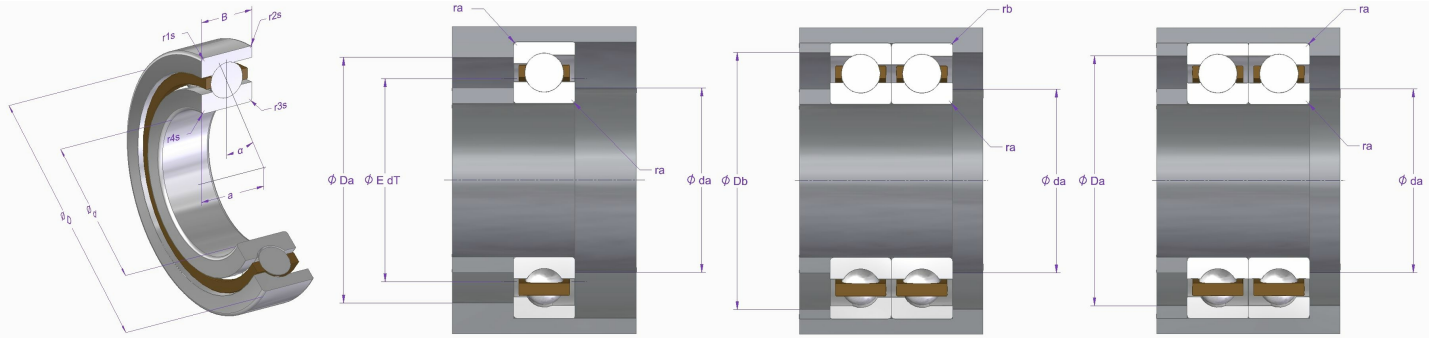
article B 7202 E T P4S UL **Art-No.** 50924 **brand** SKA **weight/kg** 0.043

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
7202	Size
E	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	15	0 / -4	620-2
D	nominal outer diameter	35	0 / -6	620-2
B	width	11	0 / -80	620-2
r1s min.	minimal chamfer dimension	0.6		628-1
r2s min.	minimal chamfer dimension	0.3		628-1
r3s min.	minimal chamfer dimension	0.6		628-1
r4s min.	minimal chamfer dimension	0.6		628-1
alpha	contact angle	25°		
a	load application point	~11.3		
da	mounting dimension	19.3	0 / 200	WERKSNORM
Da	mounting dimension	30.5	0 / 300	WERKSNORM
ra max.	mounting dimension	0.6		5418
db	mounting dimension	19.3	0 / 200	WERKSNORM
Db max.	mounting dimension	32.5		WERKSNORM
rb max.	mounting dimension	0.3		5418
Fv	pretension [N]	64		
c	axial stiffness [N/µm]	50		
KaE	Lift-off force [N]	187		
E dT	Diameter injection pitch	22.3	0 / 1300	WERKSNORM

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	9240	227	281	4360	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		40000	60000

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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