general data/description

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article B 7024 E T DU L P4S **Art-No.** 52638

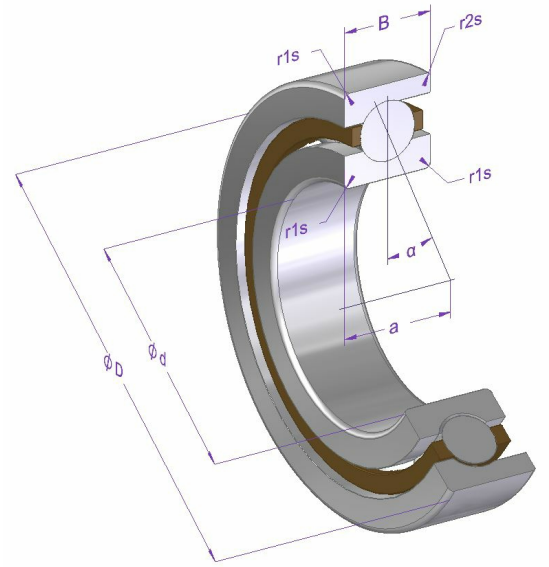
brand SKA **weight/kg** 4.82

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
7024	Size
E	Pressure angle
T	Hard tissue cage
DU	Layout
L	Slight preload
P4S	Tolerance class

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	120	0 / -8	620-2
D	nominal outer diameter	180	0 / -10	620-2
B	width	24	0 / -200	620-2
r1s min.	minimal chamfer dimension	2		628-6
r2s min.	minimal chamfer dimension	1		628-6
a	load application point	49		
alpha	contact angle	25°		628-6
E dT min.	Minimum diameter injection pitch	141		WERKSNORM
E dT max.	Maximum diameter injection pitch	143		WERKSNORM
Fv	pretension [N]	983		
c	axial stiffness [N/µm]	290		
KaE	Lift-off force [N]	2860		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	106000	4700	281	111000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		6700	10000

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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