general data/description

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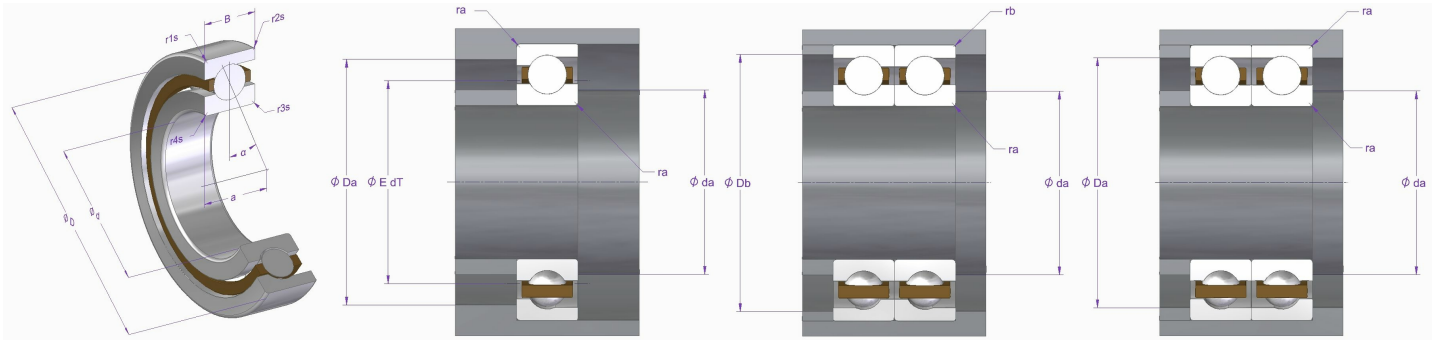
article B 7020 C T U M P4S **Art-No.** 50499 **brand** SKA **weight/kg** 1.44

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
7020	Size
C	Pressure angle
T	Hard tissue cage
U	Universally pairable
M	Medium preload
P4S	Tolerance class

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	100	0 / -8	620-2
D	nominal outer diameter	150	0 / -9	620-2
B	width	24	0 / -200	620-2
r1s min.	minimal chamfer dimension	1.5		628-6
r2s min.	minimal chamfer dimension	1		WERKSNORM
r3s min.	minimal chamfer dimension	1.5		628-6
r4s min.	minimal chamfer dimension	1.5		628-6
a	load application point	28.7		
alpha	contact angle	15°		628-6
Fv	pretension [N]	1484		
c	axial stiffness [N/µm]	174.8		
KaE	Lift-off force [N]	4935		
Da max.	mounting dimension	141		628-6
da min.	mounting dimension	110		628-6
ra max.	mounting dimension	1.5		628-6
Db max.	mounting dimension	141		628-6
rb max.	mounting dimension	0.6		628-6
E dT	Diameter injection pitch	118.5	-500 / 500	WERKSNORM

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	80800	3770	281	80900	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		9000	14000

operating temperature	max. [°C]	min. [°C]
	120	-20

article B 7020 C T U M P4S **Art-No.** 50499

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	Phenolic resin		

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