general data/description

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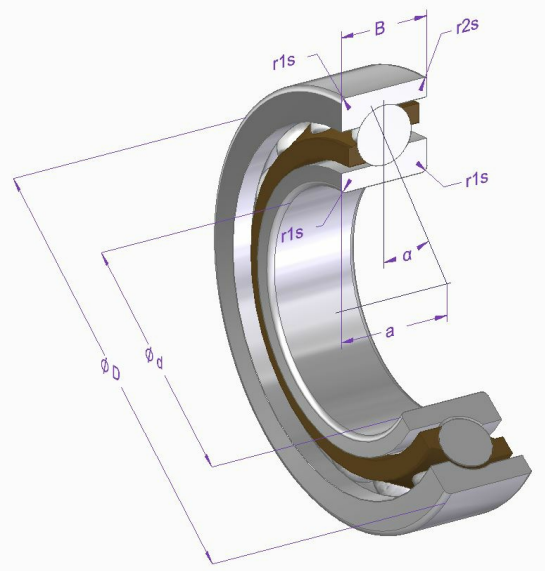
article 7220 B TVP UA **Art-No.** 51422 **brand** SKA **weight/kg** 3.70

remark When installed in pairs in an X or O arrangement, the axial internal clearance listed below is established.

description

7220	Size
B	Pressure angle
TVP	Plastic cage
UA	Universally pairable, slight clearance

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	100	0 / -20	620-2
D	nominal outer diameter	180	0 / -25	620-2
B	width	34	0 / -200	620-2
r1s min.	minimal chamfer dimension	2.1		628-1
r2s min.	minimal chamfer dimension	1.1		628-1
alpha	contact angle	40°		628-1
a	load application point	~75.7		
e	calculation factor	1.14		
X0	calculation factor	0.5		
Y0	calculation factor	0.26		
X	calculation factor	0.35		
Y	calculation factor	0.57		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	130000	5030	281	114000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		3000	4000

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

bearing clearance	axial min. [µm]	max. [µm]
	54	66

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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	PA66+GF25		

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