general data/description

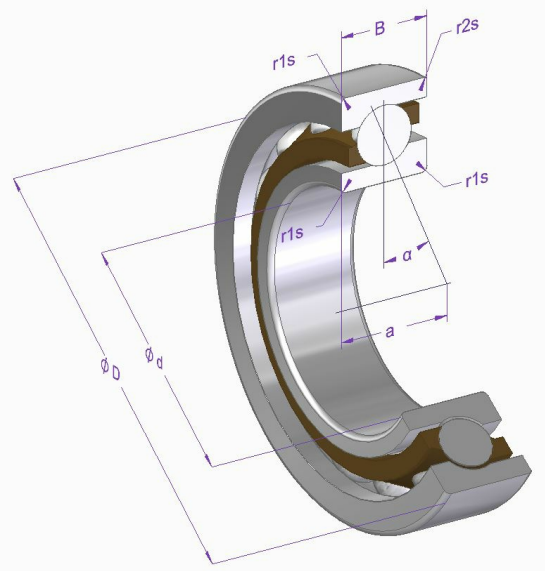
created: 05.12.2019 / 01 page: 1 / 2

article 7311 B TVP U0 **Art-No.** 50879 **brand** SKA **weight/kg** 1.41

description

7311	Size
B	Pressure angle
TVP	Plastic cage
U0	Universally pairable, without clearance

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	55	0 / -15	620-2
D	nominal outer diameter	120	0 / -15	620-2
B	width	29	0 / -150	620-2
r1s min.	minimal chamfer dimension	2		628-1
r2s min.	minimal chamfer dimension	1		628-1
alpha	contact angle	40°		628-1
a	load application point	~51.2		
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
	78800	2940	281	56500	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4500	6300

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

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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