general data/description

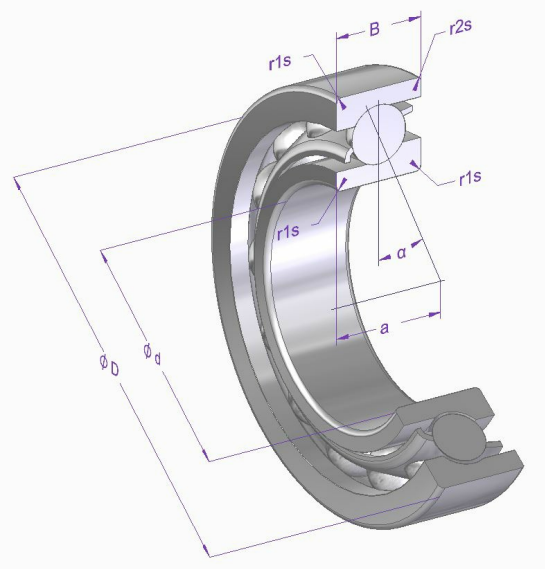
created: 02.02.2021 / 01 page: 1 / 2

article 7310 B J UA **Art-No.** 51505 **brand** SKA **weight/kg** 1.15

description

7310	Size
B	Pressure angle
J	Sheet steel cage
UA	Universally pairable, slight clearance

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	50	0 / -12	620-2
D	nominal outer diameter	110	0 / -15	620-2
B	width	27	0 / -120	620-2
r1s min.	minimal chamfer dimension	2		628-1
r2s min.	minimal chamfer dimension	1		628-1
alpha	contact angle	40°		
a	load application point	47.06		
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
	68200	2490	281	48000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		5000	6700

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	St12		

Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

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