Hans Saurer Kugellager AG
Niederfeld 38
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data sheet

general data/description

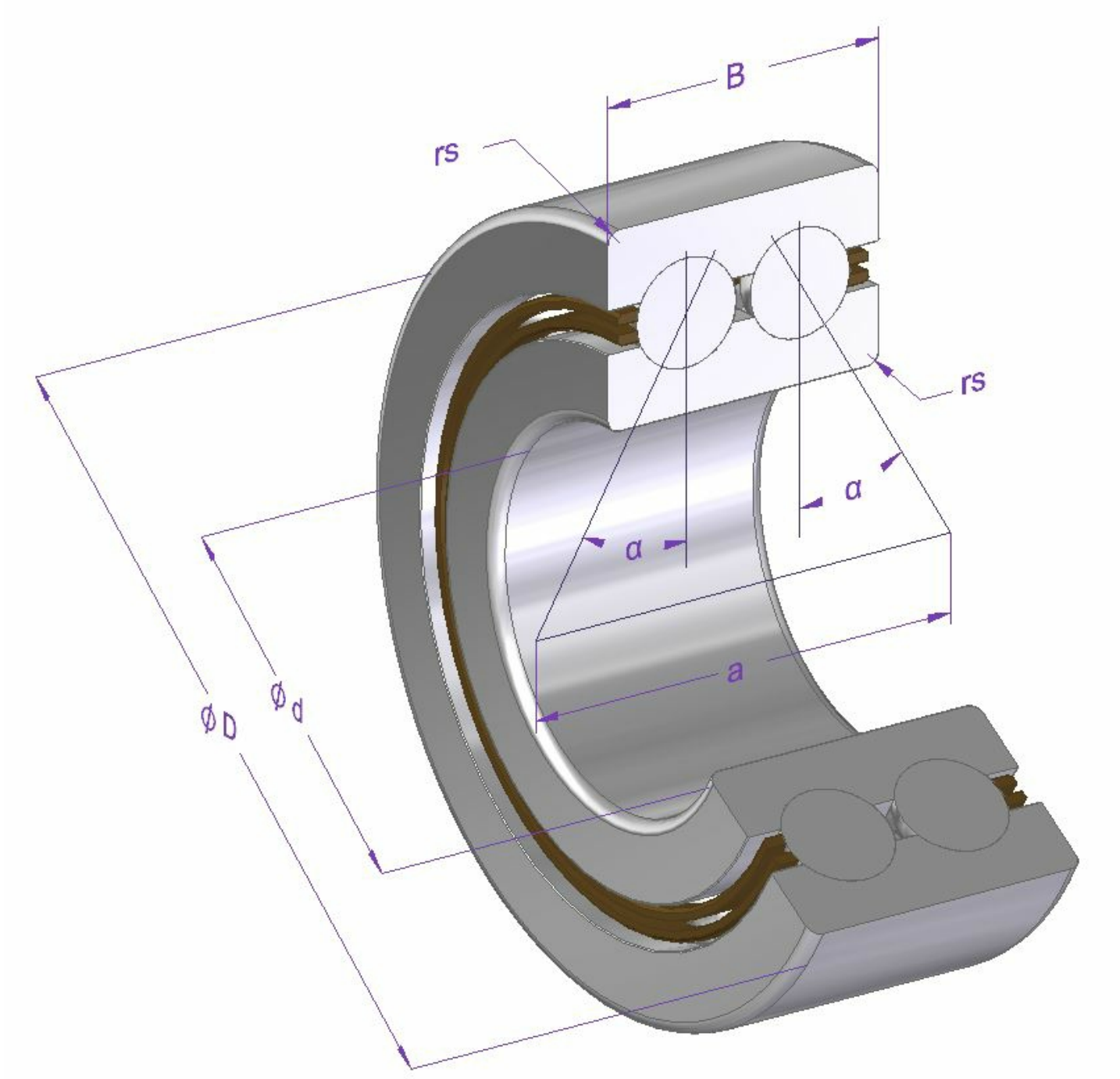
created: 22.02.2017 / 02

article 3204 B TN **Art-No.** 47063 **brand** SKA **weight/kg** 0.165

description

3204	Size
B	Pressure angle
TN	Plastic cage

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	20	0 / -10	620-2
D	nominal outer diameter	47	0 / -11	620-2
B	width	20.6	0 / -120	620-2
rs min.	minimal chamfer dimension	1		628-3
a	load application point	~ 24		
alpha	contact angle	25°		628-3
e	calculation factor	0.68		

article 3204 B TN **Art-No.** 47063

dimension	Description	[mm]	tolerance [µm]	DIN/ISO
Y1	calculation factor	0.92		
Y2	calculation factor	1.41		
Y0	calculation factor	0.76		
X	calculation factor	0.67		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	19600	640		281	12400	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		10000	15000			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**axial min. [µm]**	**max. [µm]**				
	7	25				

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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