Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article 3209 B TN NS7 **Art-No.** 3815 **brand** SKA **weight/kg** 0.705

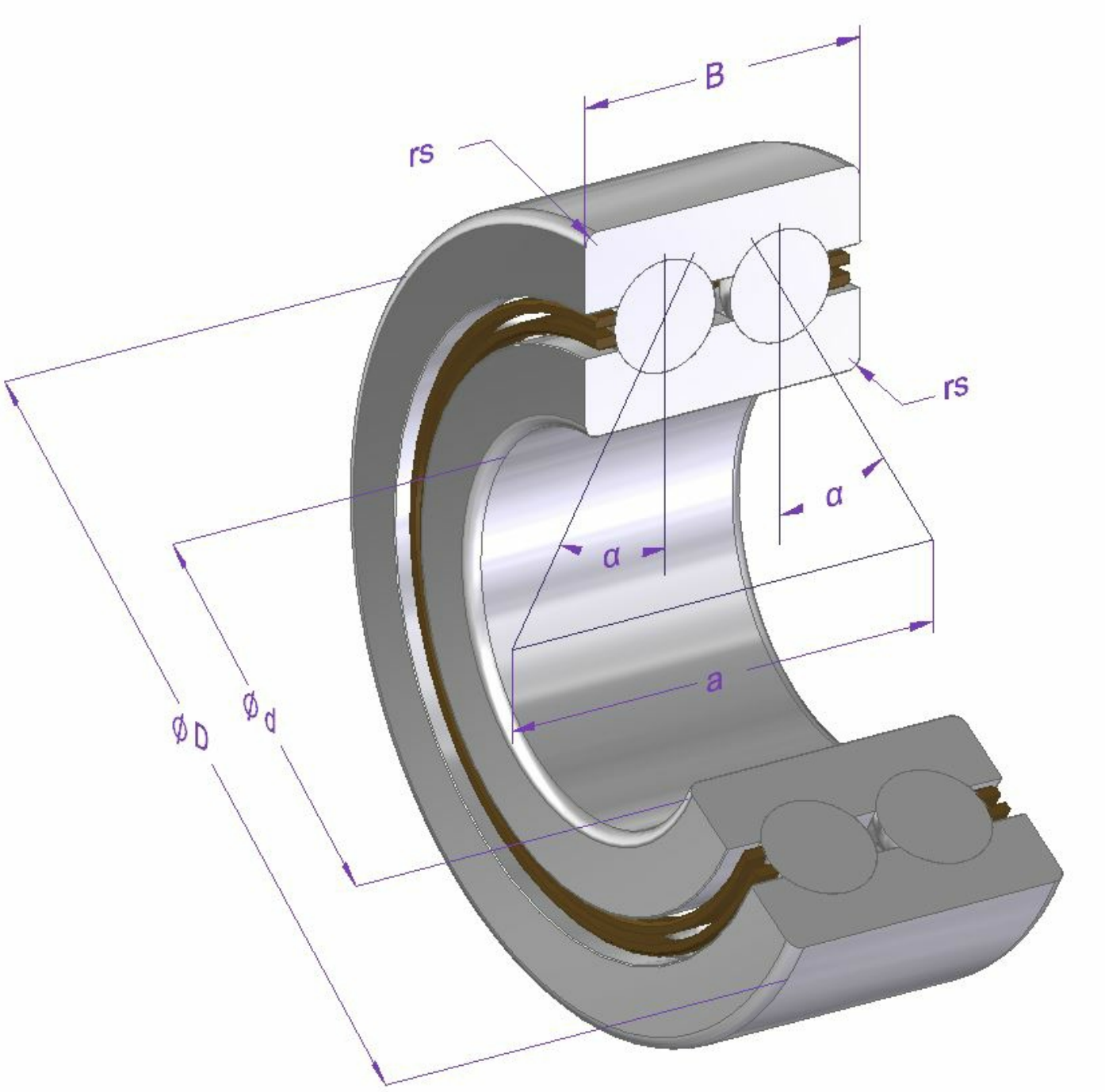
description

3209	Size
B	Pressure angle
TN	Plastic cage

greasing

NS7	KYODO YUSHI MULTEMP SRL

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	45	0 / -12	620-2
D	nominal outer diameter	85	0 / -15	620-2
B	width	30.2	0 / -120	620-2
rs min.	minimal chamfer dimension	1.1		628-3
alpha	contact angle	25°		628-3

article 3209 B TN NS7 **Art-No.** 3815

dimension	Description	[mm]	tolerance [µm]	DIN/ISO
a	load application point	43.2		
e	calculation factor	0.68		
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
	41500	1750	281	33700	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

bearing clearance	axial min. [µm]	max. [µm]
	11	33

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		

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