Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 17.03.2020 / 02

article 3816 B TN 2RS NS7 **Art-No.** 46081

brand SKA **weight/kg** 0.23

remark Y-factors: Y1: Fa/Fr <= e / Y2: Fa/Fr > e.

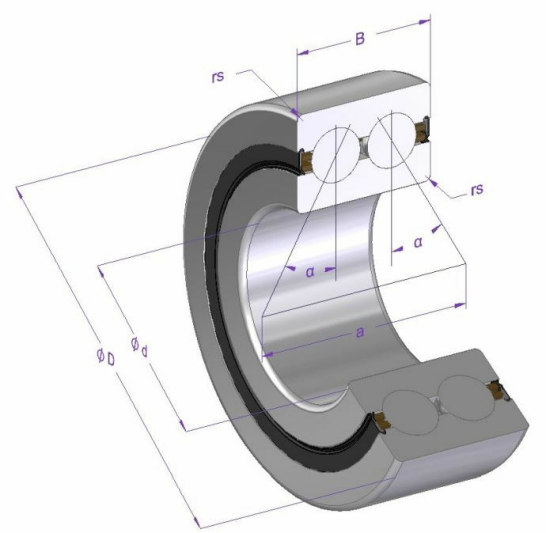
description

3816	Size
B	Pressure angle
TN	Plastic cage
2RS	Sealing washers on both sides, touching

greasing

NS7	KYODO YUSHI MULTEMP SRL

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	80	0 / -15	620-2
D	nominal outer diameter	100	0 / -15	620-2
B	width	15	0 / -150	620-2
rs min.	minimal chamfer dimension	0.6		616
alpha	contact angle	25°		WERKSNORM
a	load application point	~42		
e	calculation factor	0.68		281
Y1	calculation factor	0.92		281
Y2	calculation factor	1.41		281
Y0	calculation factor	0.76		76
X	calculation factor	0.67		281

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	15200	1210	281	23300	76

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

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

bearing clearance	axial min. [µm]	max. [µm]
	15	40

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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	58-66
Cage	PA66+GF25		
Sealing washers	St12/NBR		

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.