Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 24.09.2014 / 06

article 3208 B TN 2RS BA3 **Art-No.** 45572

brand SKA **weight/kg** 0.655

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

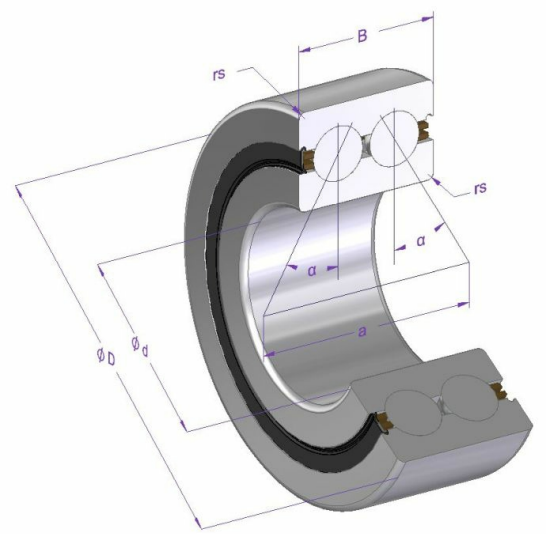
description

3208	Size
B	Pressure angle
TN	Plastic cage
2RS	Sealing washers on both sides, touching

greasing

BA3	KLÜBER ASONIC HQ72-102

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	40	0 / -12	620-2
D	nominal outer diameter	80	0 / -13	620-2
B	width	30.2	0 / -120	620-2
r1s min.	minimal chamfer dimension	1.1	900 / 0	628-3
r2s min.	minimal chamfer dimension	1.1	2400 / 0	628-3
alpha	contact angle	30°		628-3
a	load application point	~46		
e	calculation factor	0.8		281
Y1	calculation factor	0.78		281
Y2	calculation factor	1.24		281
Y0	calculation factor	0.66		76
X	calculation factor	0.63		281

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	40300	1660	281	31900	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4800	

operating temperature	max. [°C]	min. [°C]
	120	-40

bearing clearance	axial min. [µm]	max. [µm]
	9	29

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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.