Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article 3806 B TN NS7 **Art-No.** 52684 **brand** SKA **weight/kg** 0.029

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

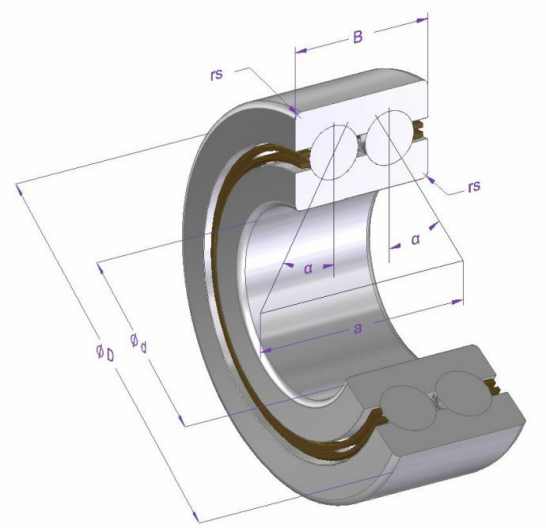
description

3806	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	30	0 / -10	620-2
D	nominal outer diameter	42	0 / -11	620-2
B	width	10	0 / -120	620-2
rs min.	minimal chamfer dimension	0.3		616
a	load application point	~24.1		
alpha	contact angle	30°		
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
	5880	305	281	5930	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		13300	13300

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

bearing clearance	axial min. [µm]	max. [µm]
	8	27

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		

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