Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 14.03.2017 / 03

article 3809 B TN ZZ NS7 **Art-No.** 46078 **brand** SKA **weight/kg** 0.065

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

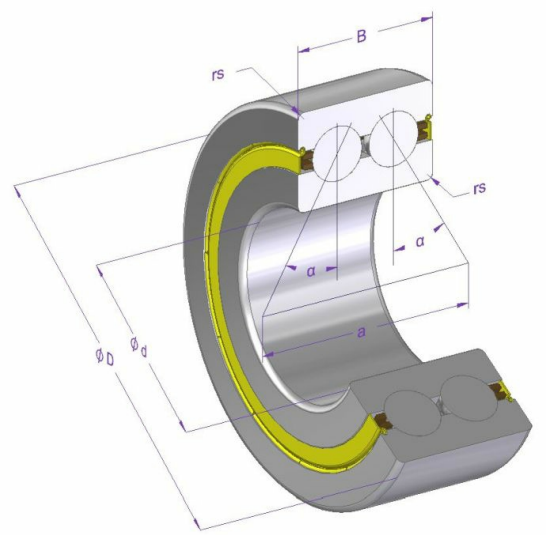
description

3809	Size
B	Pressure angle
TN	Plastic cage
ZZ	Shields on both sides, not touching

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	58	0 / -13	620-2
B	width	10	0 / -120	620-2
rs min.	minimal chamfer dimension	0.3		616
a	load application point	~33		
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**
	6380	415		281	7970	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		6300				
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**axial min. [µm]**	**max. [µm]**				
	11	33				

Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

article 3809 B TN ZZ NS7 **Art-No.** 46078

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		
Shields	Sheet steel		

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