Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 23.02.2016 / 05

article 3904 B TN 2RS NS7 **Art-No.** 46701

brand SKA **weight/kg** 0.047

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

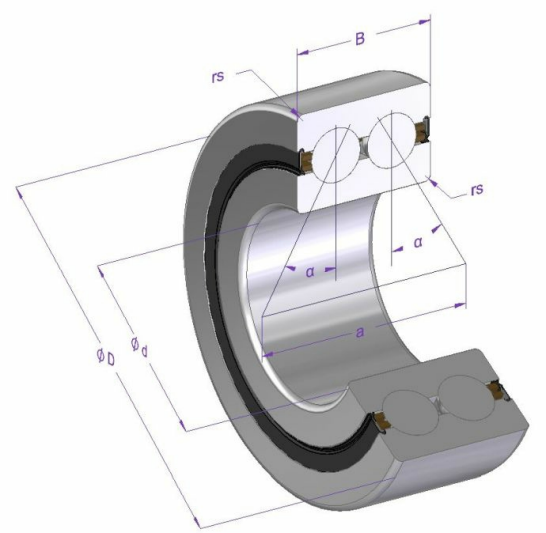
description

3904	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	20	0 / -10	620-2
D	nominal outer diameter	37	0 / -11	620-2
B	width	13	0 / -120	620-2
rs min.	minimal chamfer dimension	0.3		616
a	load application point	~15		
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**
	8690	313		281	6010	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		11000				
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	4	18				
bearing clearance	**axial min. [µm]**	**max. [µm]**				
	7	25				

Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

article 3904 B TN 2RS NS7 **Art-No.** 46701

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.