general data/description

created: 03.02.2021 / 04 page: 1 / 2

article 3801 B TN VV BI6 **Art-No.** 51515 **brand** SKA **weight/kg** 0.008

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

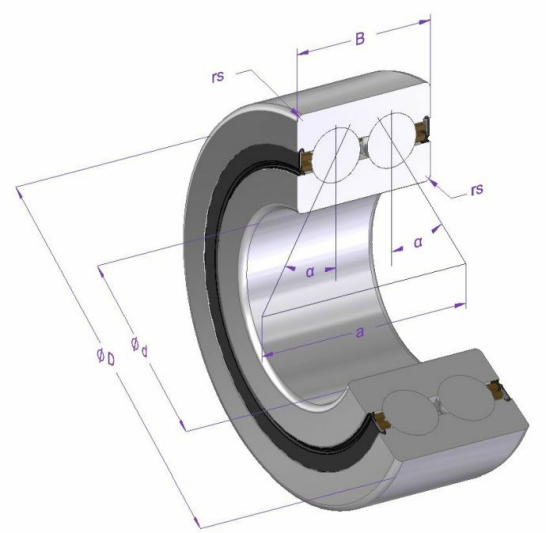
description

3801	Size
B	Pressure angle
TN	Plastic cage
VV	Sealing washers on both sides, not touching

greasing

BI6	KLÜBER ISOFLEX TOPAS NCA 52

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	12	0 / -8	620-2
D	nominal outer diameter	21	0 / -9	620-2
B	width	7	0 / -120	620-2
rs min.	minimal chamfer dimension	0.3		616
alpha	contact angle	30°		628-3
a	load application point	~11.7		
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**
	2170	80	281	1580	76

speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**
		21000	

operating temperature	**max. [°C]**	**min. [°C]**
	120	-50

bearing clearance	**axial min. [µm]**	**max. [µm]**
	6	23

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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.