general data/description

created: 11.06.2026 / 01 page: 1 / 2

article 3816 B TN 2RS LX5 **Art-No.** 54882 **brand** SKA **weight/kg** 0.24465

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

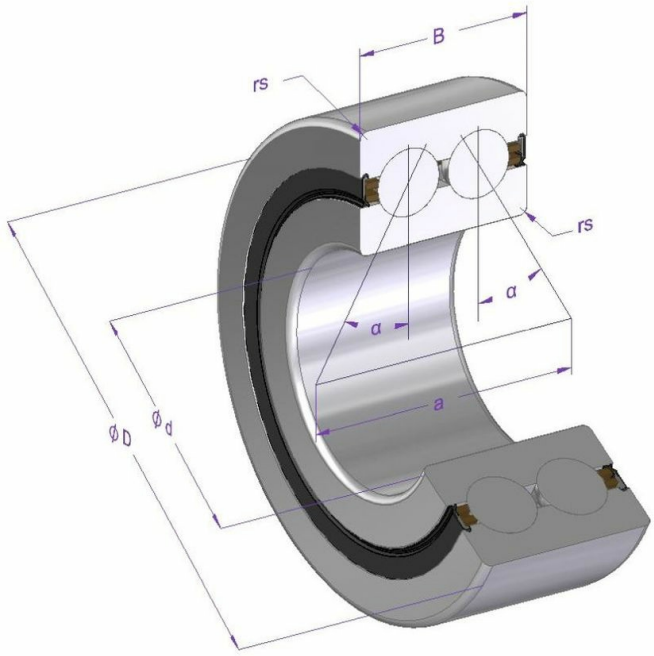
description

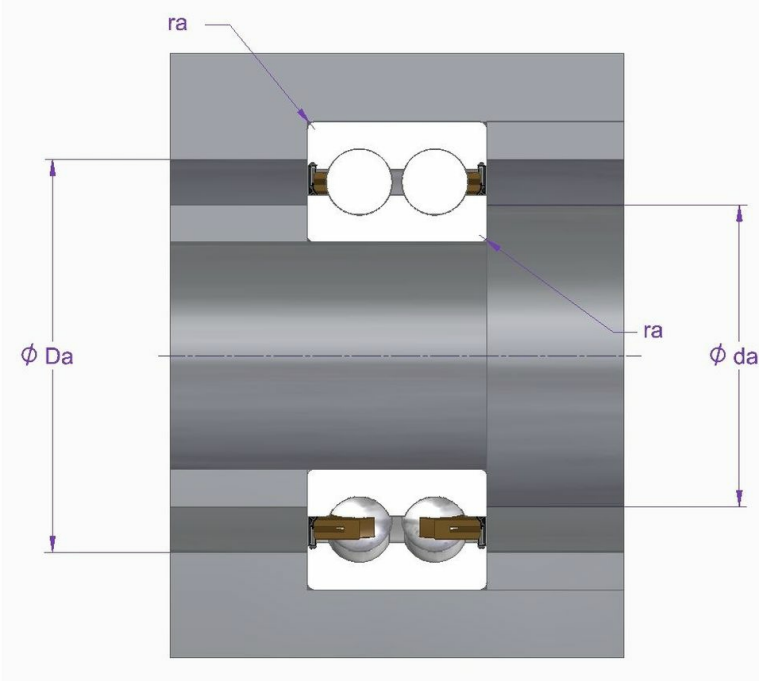
3816	Size
B	Pressure angle
TN	Plastic cage
2RS	Sealing washers on both sides, touching

greasing

LX5	SHELL GADUS S2 V100 3

dimensions and tolerances





dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	80	0 / -15	620-2
D	nominal outer diameter	100	0 / -15	620-2
B	width	15	0 / -150	620-2
rs min.	minimal chamfer dimension	0.6		616
alpha	contact angle	30°		WERKSNORM
a	load application point	~57.1		
da min.	mounting dimension	84.6		WERKSNORM
Da max.	mounting dimension	95.5		WERKSNORM
ra max.	mounting dimension	0.6		5418
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

Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

article 3816 B TN 2RS LX5 **Art-No.** 54882

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	16100	1160		281	22300	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		3000				
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-30				
bearing clearance	**axial min. [µm]**	**max. [µm]**				
	15	40				

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.