Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 26.06.2018 / 03 page: 1 / 2

article LR 5201 NPP U NS7 **Art-No.** 49585

brand SKA **weight/kg** 0.08

remark Load ratings calculated according norms for rolling bearings. Rotational speed for F < 0.05 C0rw.

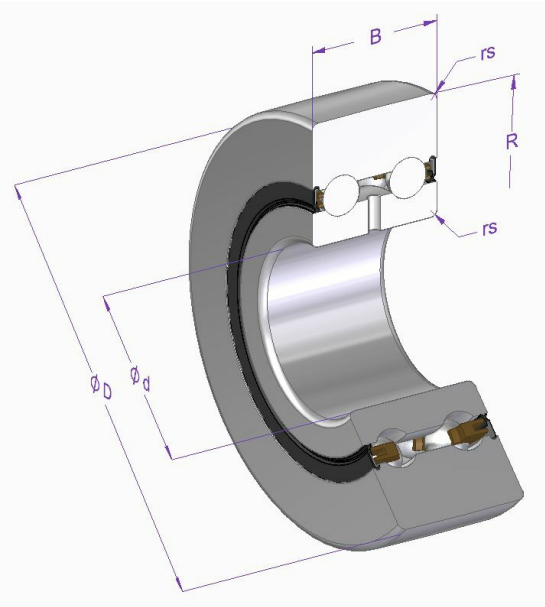
description

LR	Design
5201	Size
NPP	Sealing washers on both sides, touching
U	Crowned outer ring lateral surface

greasing

NS7	KYODO YUSHI MULTEMP SRL

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	12	0 / -8	620-2
D	nominal outer diameter	35	0 / -50	WERKSNORM
B	width	15.9	0 / -120	620-2
rs min.	minimal chamfer dimension	0.6		
R	radius outer ring	500		
Crw [N]	Effective dynamic load rating	8040		
C0rw [N]	Effective static load rating	4680		
Curw [N]	Effective fatigue limit load	200		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**	**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	9130	260	281	5050	76

speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**
		8100	

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

bearing clearance	**radial min. [µm]**	**max. [µm]**
	3	18

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	58-65
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.