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data sheet

general data/description

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article LR 50/8 NPP U NS7 **Art-No.** 51802

brand SKA **weight/kg** 0.03

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

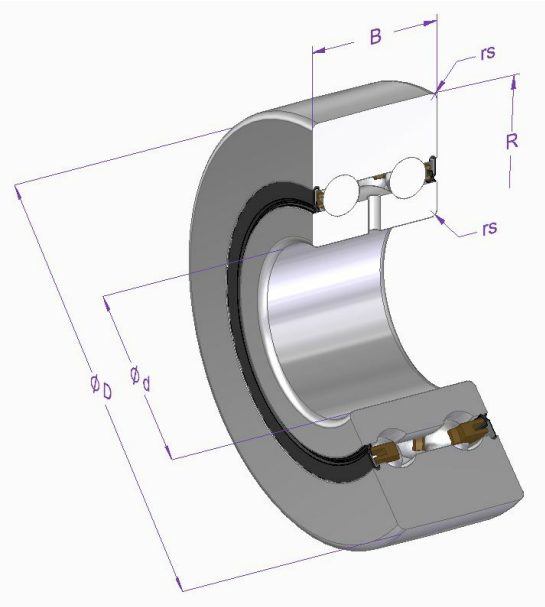
description

LR	Design
50/8	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	8	0 / -8	620-2
D	nominal outer diameter	24	0 / -50	WERKSNORM
B	width	11	0 / -120	620-2
rs min.	minimal chamfer dimension	0.3		
R	radius outer ring	500		
Crw [N]	Effective dynamic load rating	4340		
C0rw [N]	Effective static load rating	2320		
Curw [N]	Effective fatigue limit load	95		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	4960	130		281	2530	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		10000				
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**axial min. [µm]**	**max. [µm]**				
	5	21				

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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		
Seals	Sheet steel/NBR		

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