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general data/description

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article LR 204 NPP U NS1 **Art-No.** 49945

brand **weight/kg** 0.15

remark Tragzahlen gerechnet nach Normen für Wälzlager. Drehzahlen für F < 0.05 C0.

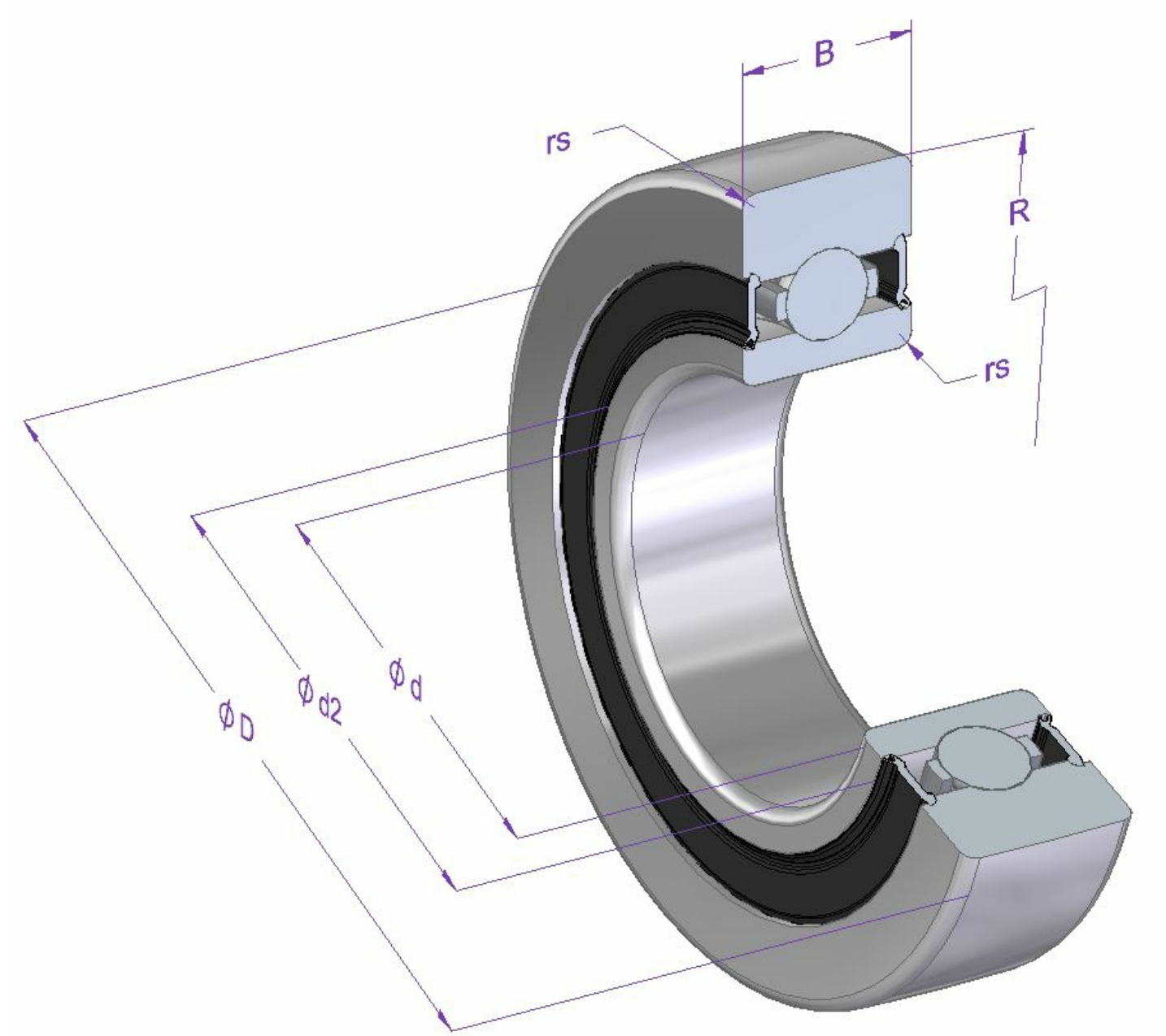
description

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

greasing

NS1	KYODO YUSHI RAREMAX SUPER N

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	20	0 / -10	620-2
D	nominal outer diameter	52	0 / -50	WERKSNORM
B	width	14	0 / -120	620-2
rs min.	minimal chamfer dimension	1		625-1
R	radius outer ring	500		WERKSNORM
d2	inner shoulder diameter	29		

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dimension	Description	[mm]	tolerance [µm]	DIN/ISO
Crw [N]	Effective dynamic load rating	10200		
C0rw [N]	Effective static load rating	5640		
Curw [N]	Effective fatigue limit load	290		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	12900	350		281	6790	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		8000				
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	5	20				

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	Sheet steel		
Sealing washers	Sheet steel/NBR		

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