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data sheet

general data/description

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article LR 5207 KDD U LX5 **Art-No.** 54274

brand SKA **weight/kg** 0.66

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

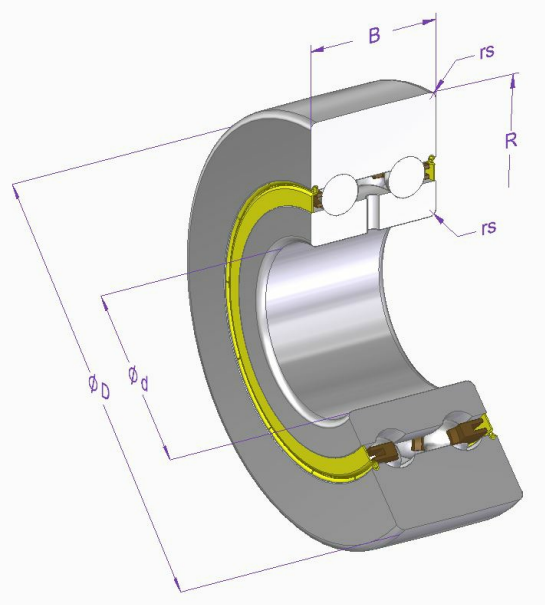
description

LR	Design
5207	Size
KDD	Shields on both sides, not touching
U	Crowned outer ring lateral surface

greasing

LX5	SHELL GADUS S2 V100 3

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	35	0 / -12	620-2
D	nominal outer diameter	80	0 / -50	WERKSNORM
B	width	27	0 / -120	620-2
rs min.	minimal chamfer dimension	1.1		616
R	radius outer ring	500		WERKSNORM
Crw [N]	Effective dynamic load rating	25700		
C0rw [N]	Effective static load rating	19400		
Curw [N]	Effective fatigue limit load	950		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	30400	1230	281	23700	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4650	

operating temperature	max. [°C]	min. [°C]
	120	-30

bearing clearance	radial min. [µm]	max. [µm]
	6	20

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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		
Shields	Sheet steel		

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