Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

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article UCFL 205 UZ1 **Art-No.** 52705 **brand** SKA **weight/kg** 0.63

description

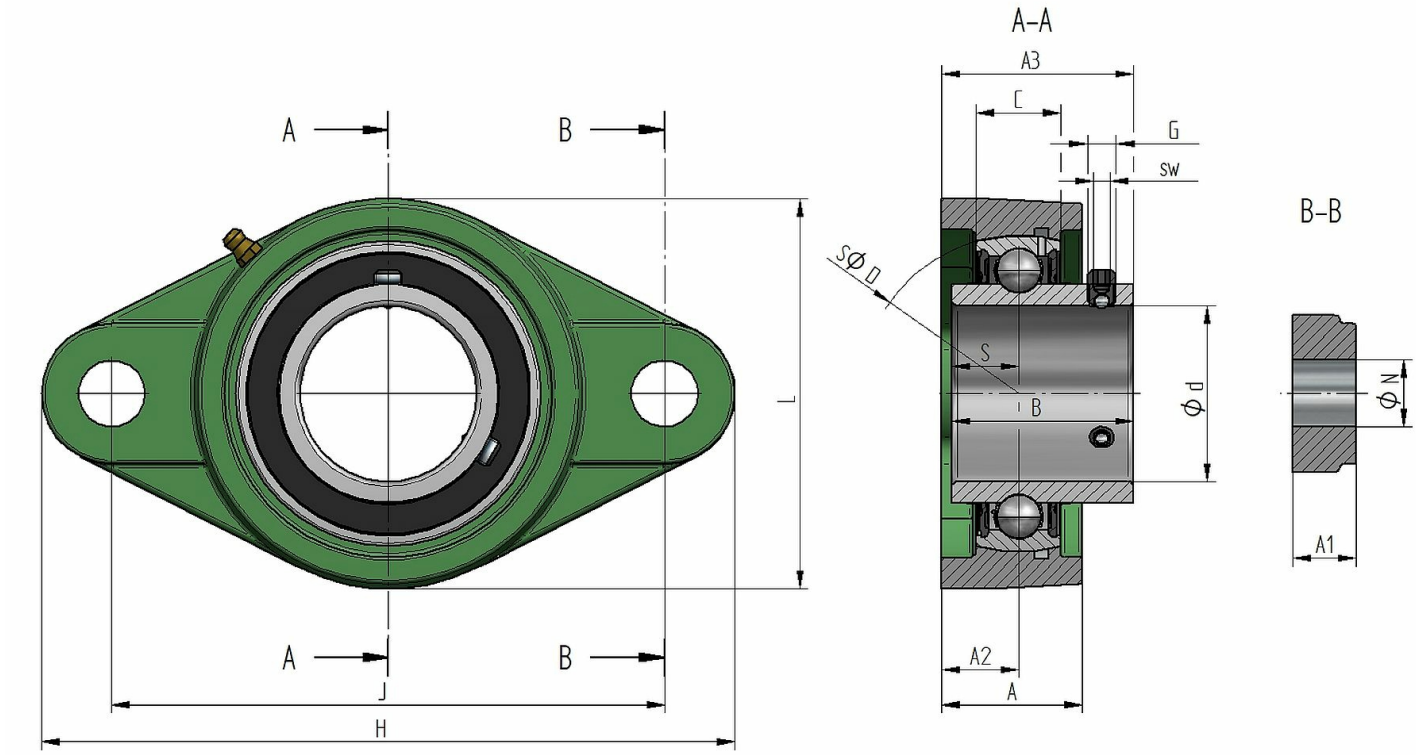
UCFL Design
205 Size

greasing

UZ1 UNIVERSAL ZR-LN1

remark Rotational speed is reference value for shaft tolerance h7. Also depending on load and seal.

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / 18	626-1
D	nominal outer diameter	52	0 / -13	620-2
B	inner ring width	34	0 / -120	626-1
C	outer ring width	17	0 / -120	626-1
S	swing axle distance	14.3		626-1
A	housing height	27.5		626-2
A1	flange thickness	14.5		626-2
A2	effect distance	16	-400 / 400	626-2
A3	total width	35.7		
J	hole spacing	99	-700 / 700	626-2
H	housing length	129		
L	housing width	67		626-2
N	hole diameter	16		
sw	wrench size	3		
G	thread	M6x1		

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calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	14000	400		281	7830	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		4500				
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	13	28				

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		
Seals	Sheet steel/NBR		
Centrifugal disc	Sheet steel		
Housing	GG20		

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