Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article RAT 12 UZ1 **Art-No.** 52479 **brand** SKA **weight/kg** 0.19

remark Rotational speed is reference value for shaft tolerance h7. Also depending on load and seal. Not relubricatable.

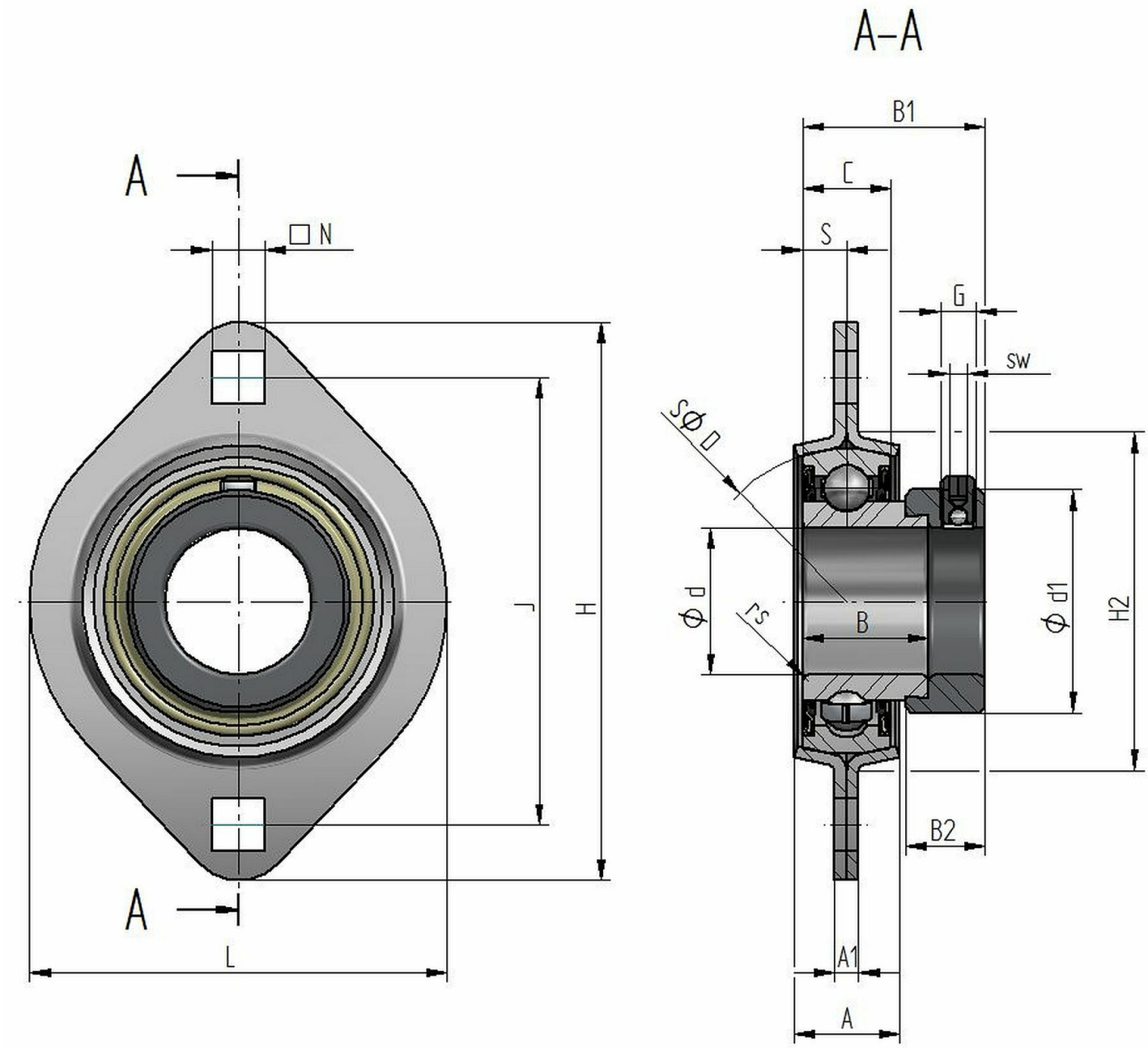
description

RAT	Design
12	Size

greasing

UZ1	UNIVERSAL ZR-LN1

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	12	0 / 15	626-1
D	nominal outer diameter	40	0 / -11	620-2
B	inner ring width	19.1	0 / -120	620-2
rs min.	minimal chamfer dimension	0.6		625-1
S	swing axle distance	6		626-1
A	housing height	14		626-2
A1	flange thickness	4		626-2
B1	total width inner ring	28.6		626-1
B2	eccentric ring width	13.5		626-1

article RAT 12 UZ1 **Art-No.** 52479

dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d1	eccentric ring outer diameter	28.6	0 / -210	626-1
H	housing length	81		626-2
L	housing width	59		626-2
J	square hole distance	63.5	-400 / 400	626-2
N	square hole	7.1	-600 / 600	626-2
H2 min.	connection diameter	49		626-2
G	thread	M6x1		
sw	wrench size	3		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	9550	245	281	4760	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		2400	

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

bearing clearance	radial min. [µm]	max. [µm]
	11	25

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		
Eccentric ring	C45		
Housing	Sheet steel		

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