Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

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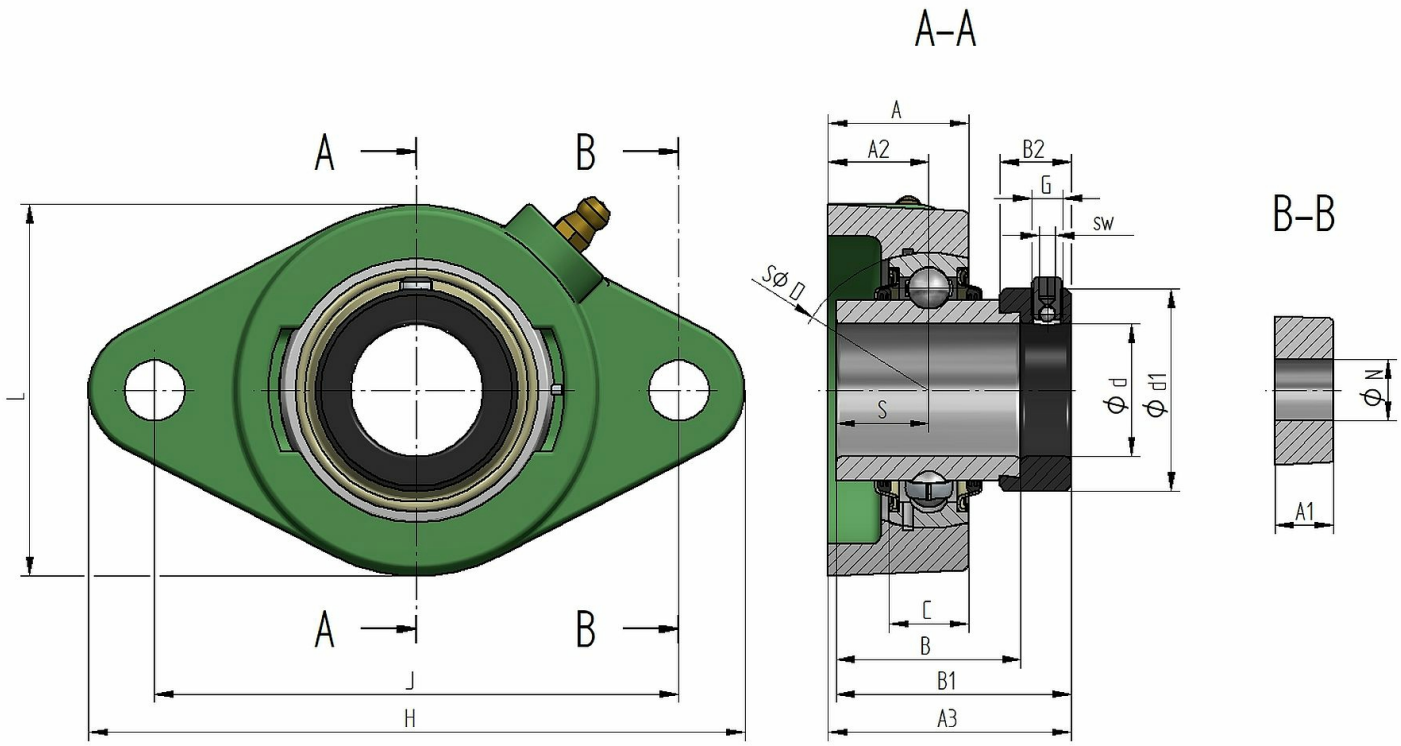
article TCJT 50 **Art-No.** 43910 **brand** SKA **weight/kg** 2.19

description

TCJT	Design
50	Size

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	50	0 / 18	626-1
D	nominal outer diameter	90	0 / -15	620-2
B	inner ring width	49.2	0 / -120	620-2
B1	total width inner ring	62.7		626-1
B2	clamping ring width	18.3		626-1
C	outer ring width	22	0 / -120	626-1
S	swing axle distance	24.6		626-1
A	housing height	39		626-2
A1	flange thickness	13		626-2
A2	effect distance	28	-500 / 500	626-2
A3	total width	66.1		
d1	clamping ring outer diameter	69.9	0 / -210	626-1
J	hole spacing	157	-500 / 500	626-2
H	housing length	190		626-2
L	housing width	116		626-2
N	hole diameter	18		626-2
G	thread	M10x1.25		
sw	wrench size	5		

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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**
	35100	1200		281	23200	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]**				
	18	36				

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		
Clamping ring	C45		
Housing	GG20		

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