Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

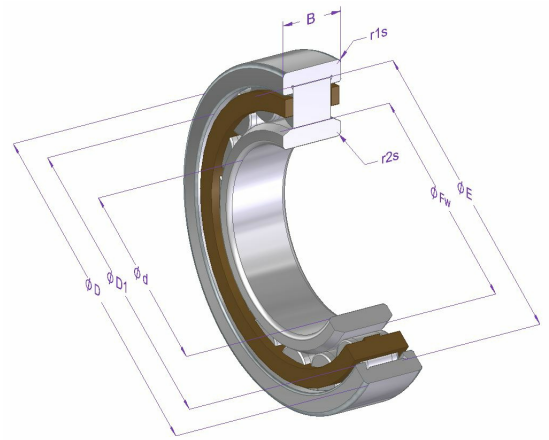
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article NU 310 E TVP2 HQS **Art-No.** 49101 **brand** SKA **weight/kg** 1.10

description

NU	Design
310	Size
E	Reinforced version
TVP2	Plastic cage
HQS	Material

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	50	0 / -12	620-2
D	nominal outer diameter	110	0 / -15	620-2
B	width	27	0 / -120	620-2
r1s min.	minimal chamfer dimension	2		5412-1
r2s min.	minimal chamfer dimension	2		5412-1
Fw	inner enveloping circle diameter	65	0 / 15	5412-1
E	raceway diameter outer ring	97		5412-1
D1	outer shoulder diameter	91.7		
s	axial displacement	~ 2		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	110000	14000		281	114000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		5000	6000			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	30	60				

material specification

description	material	DIN/ISO	hardness
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Cylindrical rollers	100Cr6	683-17	58-65
Cage	PA66 + GF25		

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