Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

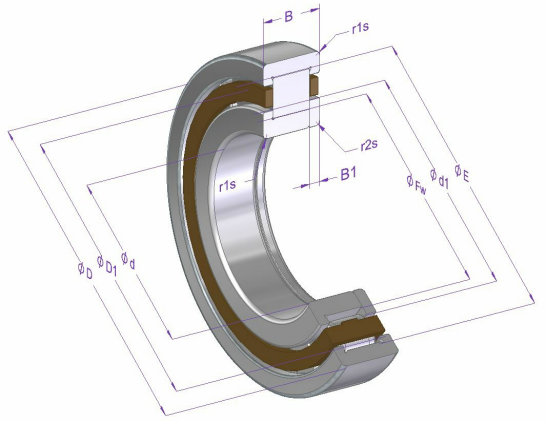
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article NUP 211 E TVP2 HQS **Art-No.** 49142 **brand** SKA **weight/kg** 0.655

description

NUP	Design
211	Size
E	Reinforced version
TVP2	Plastic cage
HQS	Material

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	55	0 / -15	620-2
D	nominal outer diameter	100	0 / -15	620-2
B	width	21	0 / -150	620-2
Fw	inner enveloping circle diameter	66	0 / 20	5412-1
r1s min.	minimal chamfer dimension	1.5		5412-1
r2s min.	minimal chamfer dimension	1.1		5412-1
d1	inner shoulder diameter	~70.8		
D1	outer shoulder diameter	~86.6		
E	raceway diameter outer ring	90		5412-1
B1	flange width	3.5		5412-1

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	85000	12200		281	97000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		6300	7400			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	40	70				

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		
Flange disc	100Cr6	683-17	58-65

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