Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

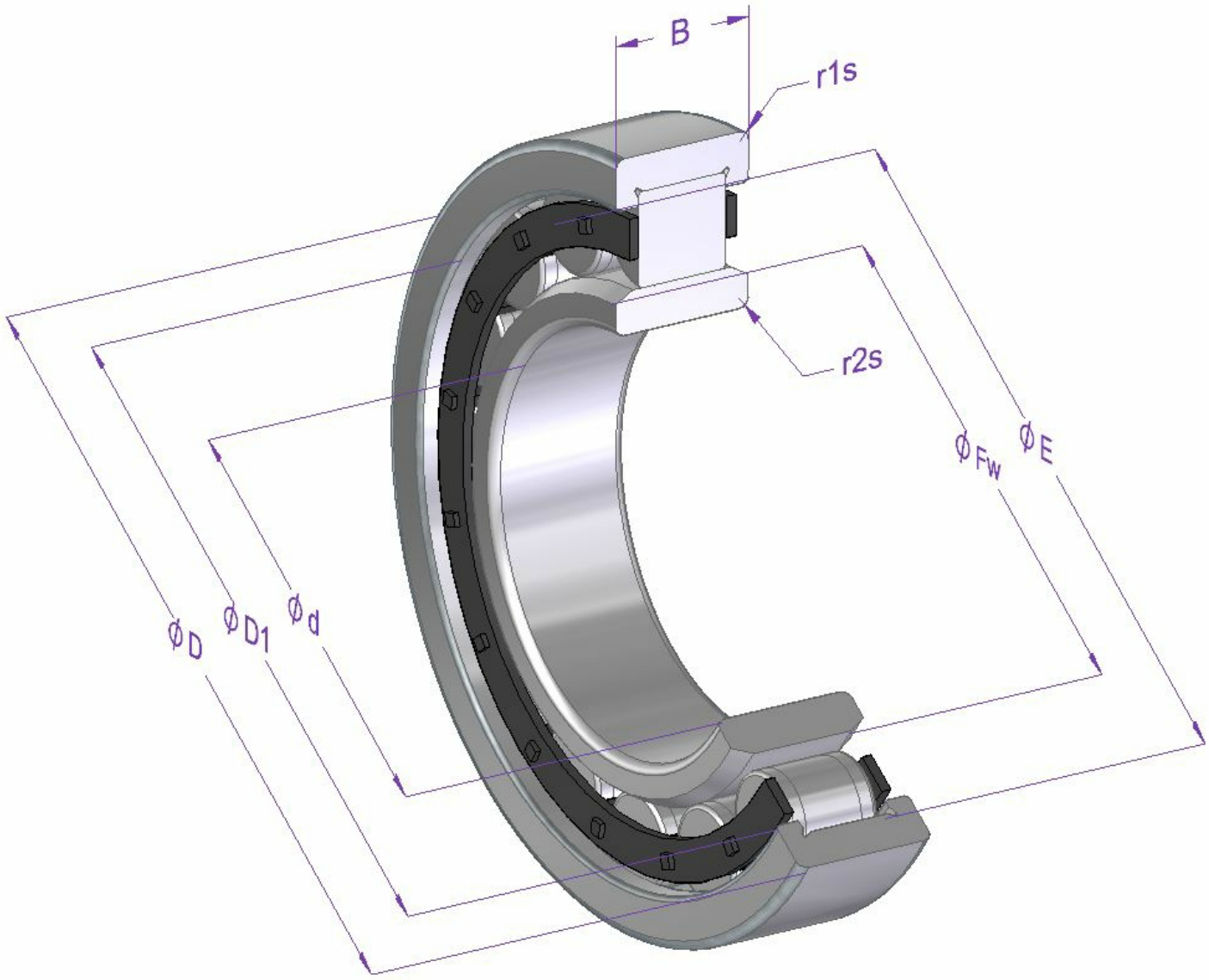
created: 16.11.2022 / 01 page: 1 / 2

article NU 311 E J HQS **Art-No.** 52579 **brand** SKA **weight/kg** 1.43

description

NU	Design
311	Size
E	Reinforced version
J	Sheet steel 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	120	0 / -15	620-2
B	width	29	0 / -150	620-2
r1s min.	minimal chamfer dimension	2		5412-1
r2s min.	minimal chamfer dimension	2		5412-1
Fw	inner enveloping circle diameter	70.5	0 / 20	5412-1
E	raceway diameter outer ring	106.5		5412-1
D1	outer shoulder diameter	100.6		
s	axial displacement	~ 2		

Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

article NU 311 E J HQS **Art-No.** 52579

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	137000	17600		281	143000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		4500	5600			
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	Sheet steel		

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