Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

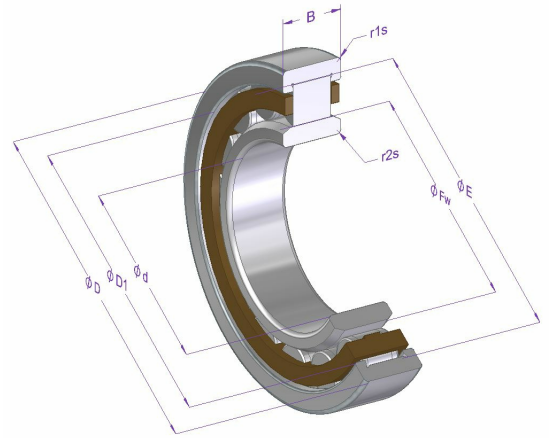
created: 01.03.2019 / 01 page: 1 / 1

article NU 316 E M1 HQS **Art-No.** 50211 **brand** SKA **weight/kg** 3.90

description

NU	Design
316	Size
E	Reinforced version
M1	Brass cage, roller centered
HQS	Material

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	80	0 / -15	620-2
D	nominal outer diameter	170	0 / -25	620-2
B	width	39	0 / -150	620-2
r1s min.	minimal chamfer dimension	2.1		5412-1
r2s min.	minimal chamfer dimension	2.1		5412-1
Fw	inner enveloping circle diameter	101	0 / 20	5412-1
E	raceway diameter outer ring	151		5412-1
D1	outer shoulder diameter	144.2		
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**
	261000	33400		281	290000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		3600	4300			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	40	75				

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	CuZn40Pb2		

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