Hans Saurer Kugellager AG
Niederfeld 38
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data sheet

general data/description

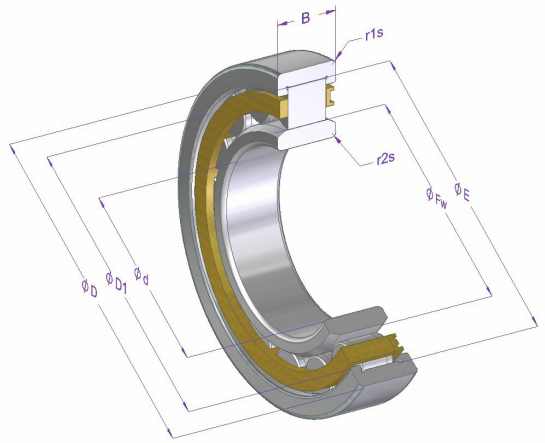
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article NU 413 M1 HQS **Art-No.** 50215 **brand** SKA **weight/kg** 3.75

description

NU	Design
413	Size
M1	Brass cage, roller centered
HQS	Material

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	65	0 / -15	620-2
D	nominal outer diameter	160	0 / -25	620-2
B	width	37	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	89.3	0 / 20	5412-1
E	raceway diameter outer ring	135.3		5412-1
D1	outer shoulder diameter	127.7		
s	axial displacement	~ 3.5		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	196000	24400		281	206000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		4000	4800			
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	CuZn40Pb2		

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