Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

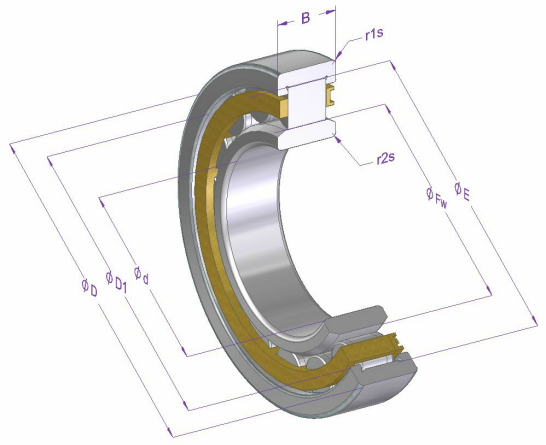
created: 02.06.2022 / 01

article NU 1010 M1 HQS C3 **Art-No.** 51642 **brand** SKA **weight/kg** 0.29

description

NU	Design
1010	Size
M1	Brass cage, roller centered
HQS	Material
C3	Internal clearance

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	50	0 / -12	620-2
D	nominal outer diameter	80	0 / -13	620-2
B	width	16	0 / -120	620-2
Fw	inner enveloping circle diameter	57.5	0 / 15	5412-1
r1s min.	minimal chamfer dimension	1		5412-1
r2s min.	minimal chamfer dimension	0.6		5412-1
D1	outer shoulder diameter	69.2		
E	raceway diameter outer ring	72.5		5412-1
s	axial displacement	~2		WERKSNORM
C3	internal clearance	0.050 / 0.080		620-4

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	39600	6020	281	47500	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		8000	10000

operating temperature	max. [°C]	min. [°C]
	120	-20

bearing clearance	radial min. [µm]	max. [µm]
	50	80

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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