Hans Saurer Kugellager AG
Niederfeld 38
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data sheet

general data/description

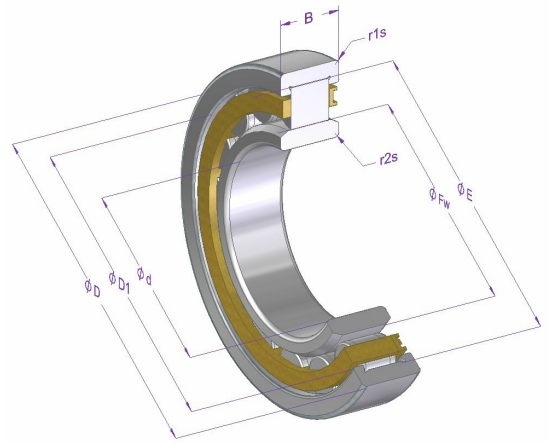
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article NU 416 M1 HQS **Art-No.** 47074 **brand** SKA **weight/kg** 8.20

description

NU	Design
416	Size
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	200	0 / -30	620-2
B	width	48	0 / -150	620-2
Fw	inner enveloping circle diameter	110	0 / 20	5412-1
r1s min.	minimal chamfer dimension	3		5412-1
r2s min.	minimal chamfer dimension	3		5412-1
s	axial displacement	~ 4.6		
D1	outer shoulder diameter	~ 159.7		
E	raceway diameter outer ring	170		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	320000	38000	281	350000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		3200	3800

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		

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