Hans Saurer Kugellager AG
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data sheet

general data/description

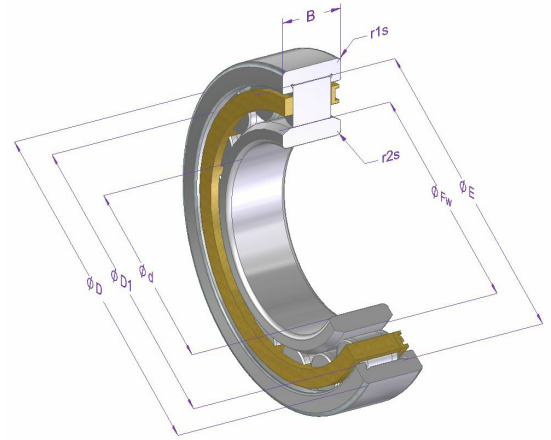
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article NU 1005 M1 **Art-No.** 50979 **brand** SKA **weight/kg** 0.089

description

NU	Design
1005	Size
M1	Brass cage, roller centered

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -10	620-2
D	nominal outer diameter	47	0 / -11	620-2
B	width	12	0 / -120	620-2
Fw	inner enveloping circle diameter	30.5	0 / 15	5412-1
r1s min.	minimal chamfer dimension	0.6		5412-1
r2s min.	minimal chamfer dimension	0.3		5412-1
D1	outer shoulder diameter	~39.3		
E	raceway diameter outer ring	41.5		
s	axial displacement	~2.4		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	16400	1960		281	15800	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		15000	18000			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	20	45				

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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