Hans Saurer Kugellager AG
Niederfeld 38
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data sheet

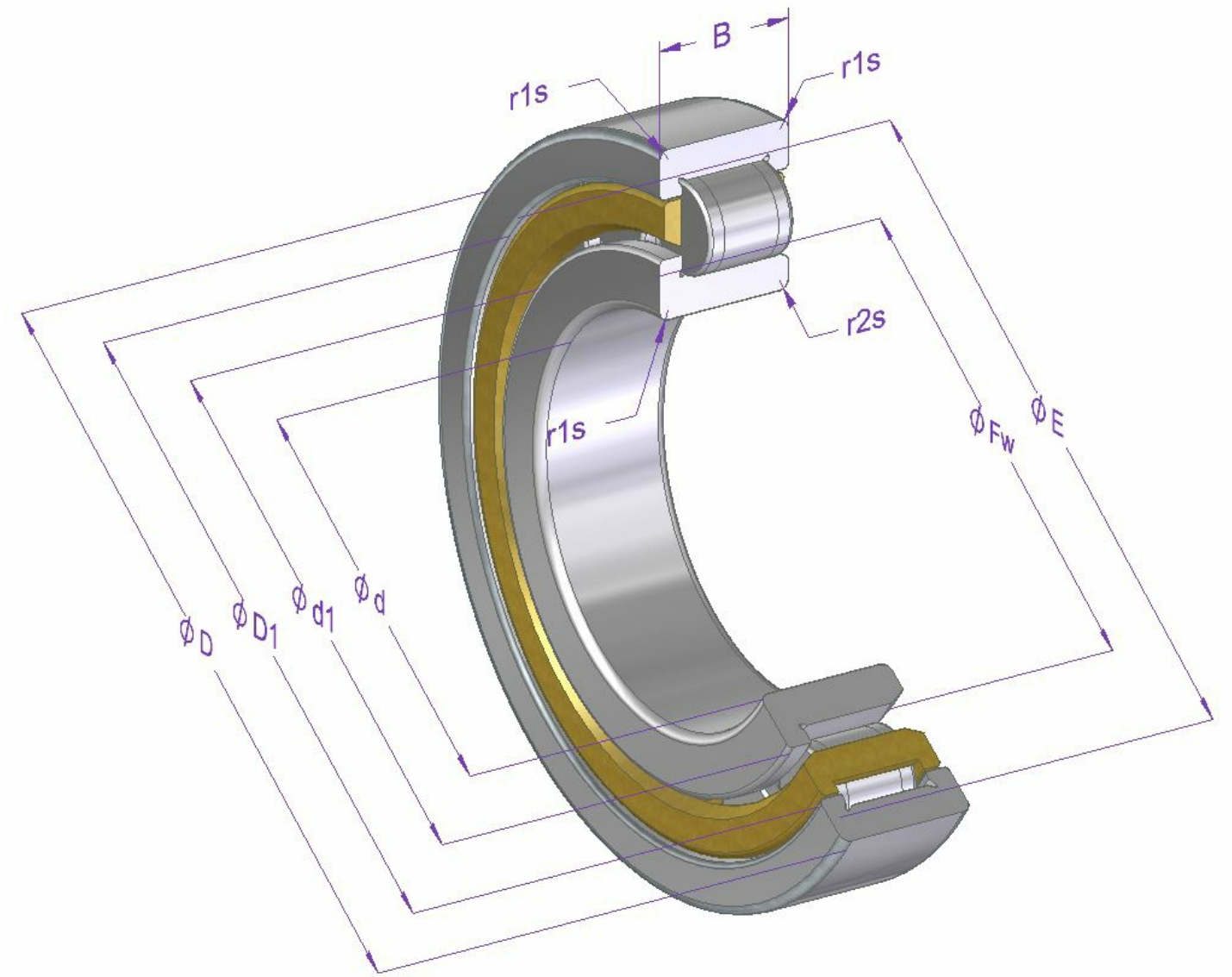
general data/description

article NJ 310 E MP C3 S1 **Art-No.** 48350 **brand** SKA **weight/kg** 1.14

description

NJ	Design
310	Size
E	Reinforced version
MP	Brass cage, outer ring centered
C3	Internal clearance
S1	Heat stabilized up to 200 °C

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	50	0 / -12	620-2
D	nominal outer diameter	110	0 / -15	620-2
B	width	27	0 / -120	620-2
Fw	inner enveloping circle diameter	65	0 / 15	5412-1
r1s min.	minimal chamfer dimension	2		5412-1
r2s min.	minimal chamfer dimension	2		5412-1
C3	internal clearance	0.05 / 0.08		620-4
s	axial displacement	~ 1.7		
d1	inner shoulder diameter	~ 71.3		
D1	outer shoulder diameter	~ 92.5		
E	raceway diameter outer ring	97		

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calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**	**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	112000	14000	281	116000	76
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		

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