Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

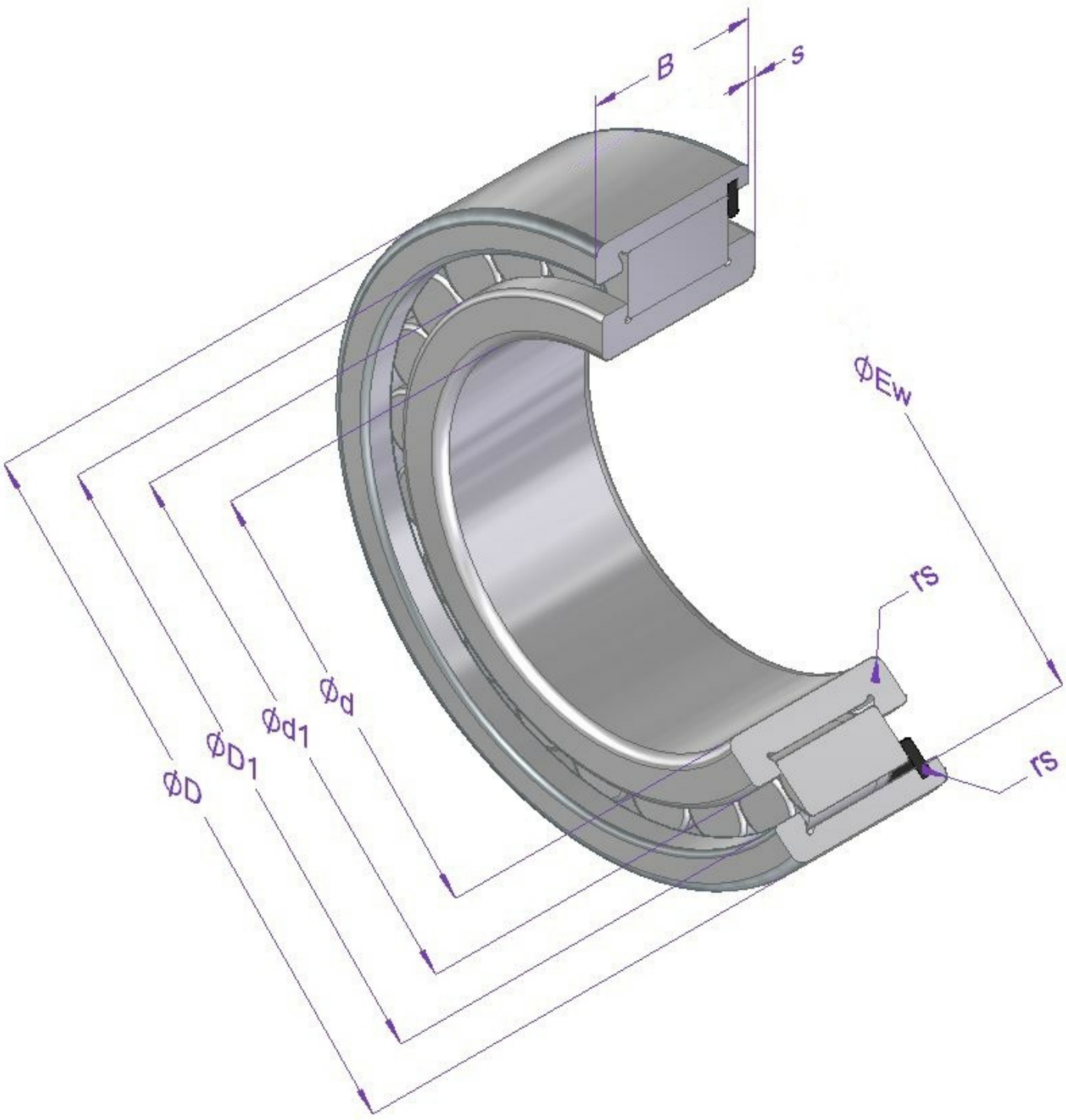
created: 04.09.2020 / 01

article SL18 3004 HQS **Art-No.** 49407 **brand** SKA **weight/kg** 0.11

description

SL18	Design
3004	Size
HQS	Material

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	20	0 / -10	620-2
D	nominal outer diameter	42	0 / -11	620-2
B	width	16	0 / -120	620-2
rs min.	minimal chamfer dimension	0.6		

article SL18 3004 HQS **Art-No.** 49407

dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d1	inner shoulder diameter	28.8		
D1	outer shoulder diameter	32.8		
s	axial displacement	1.5		
Ew	outer enveloping circle diameter	36.85		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	27200	3450	281	27700	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4500	8500

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
Snap ring	56Mn4		

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