Hans Saurer Kugellager AG
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data sheet

general data/description

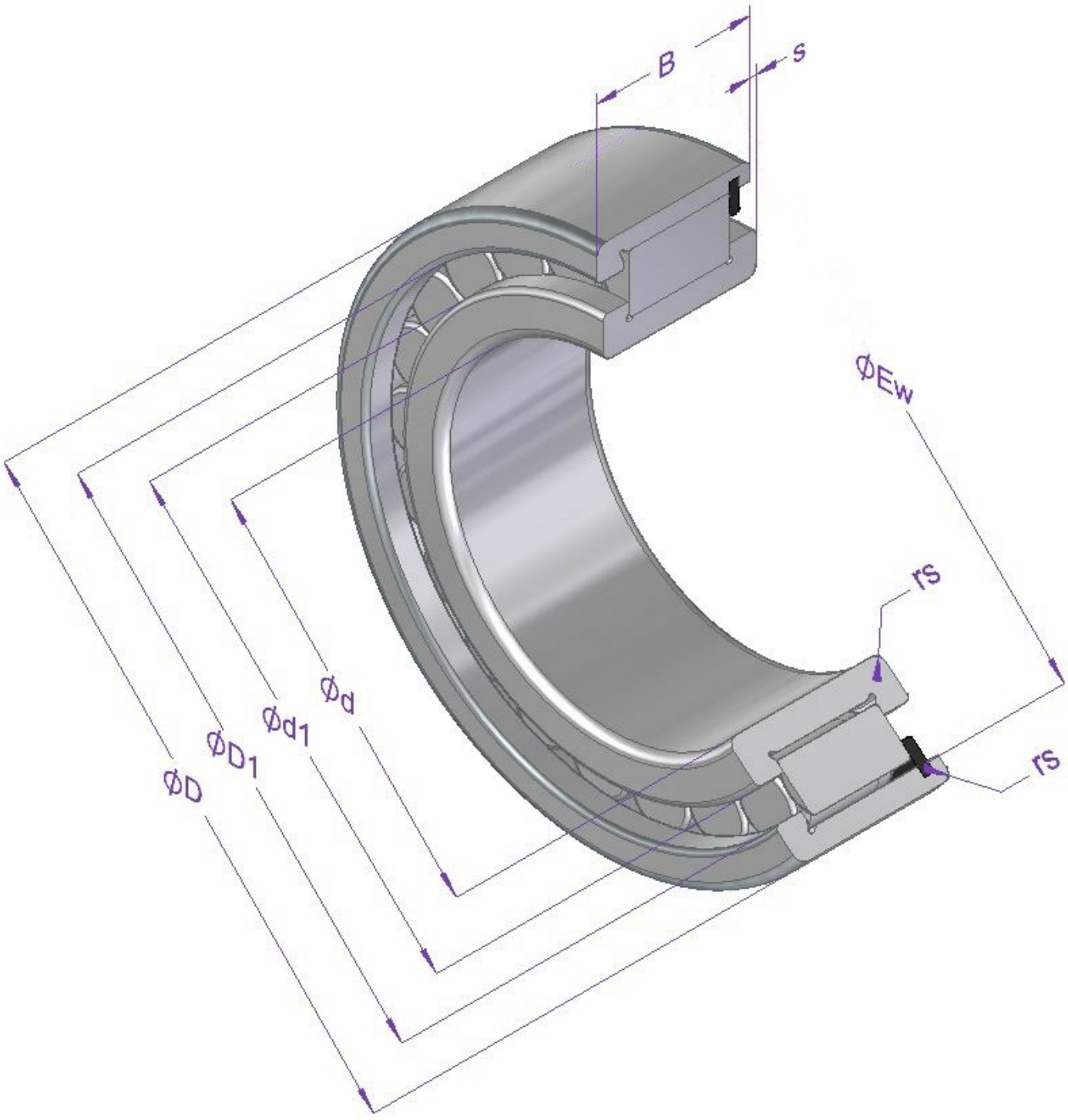
created: 15.01.2018 / 02

article SL18 3006 HQS **Art-No.** 46565 **brand** SKA **weight/kg** 0.20

description

SL18	Design
HQS	Material

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	30	0 / -10	620-2
D	nominal outer diameter	55	0 / -13	620-2
B	width	19	0 / -120	620-2
rs min.	minimal chamfer dimension	1		
d1	inner shoulder diameter	~40		

article SL18 3006 HQS **Art-No.** 46565

dimension	Description	[mm]	tolerance [µm]	DIN/ISO
D1	outer shoulder diameter	~45.4		
s	axial displacement	2		
Ew	outer enveloping circle diameter	49.6		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	41000	5800	281	46200	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		1000	2200

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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