Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

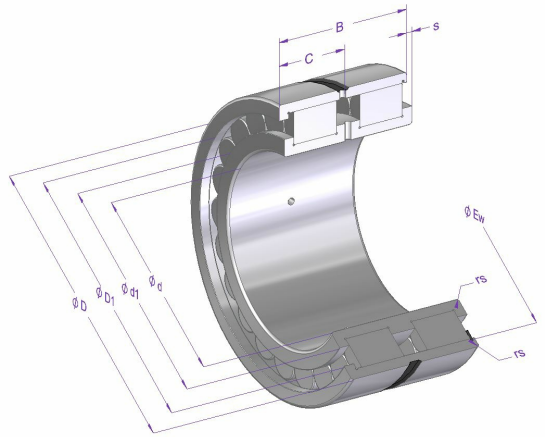
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article SL18 5010 **Art-No.** 48165 **brand** SKA **weight/kg** 0.76

description

SL18	Design
5010	Size

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	50	0 / -12	620-2
D	nominal outer diameter	80	0 / -13	620-2
B	width	40	0 / -120	620-2
rs min.	minimal chamfer dimension	1		
C	distance lubrication hole front side	20		
d1	inner shoulder diameter	~59.1		
D1	outer shoulder diameter	~67.6		
s	axial displacement	1.5		
Ew	outer enveloping circle diameter	72.33		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	131000	23000		281	195000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		1900	3400			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	30	60				

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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