Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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article F 682 ZZ INOX NS7 **Art-No.** 47644 **brand** SKA **weight/kg** 0.001

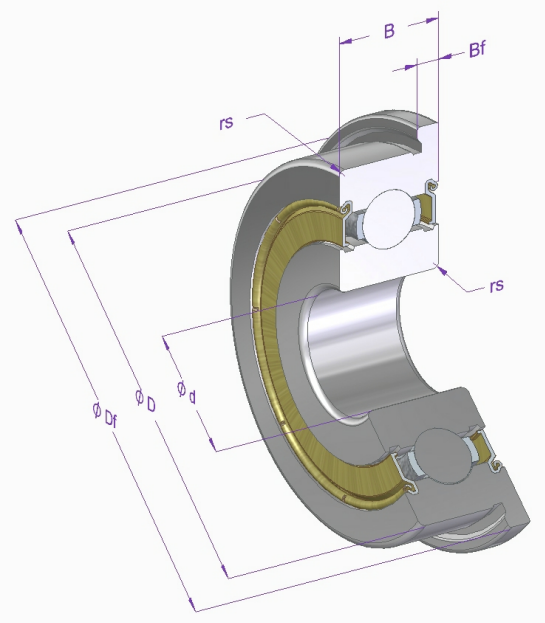
description

F	Design
682	Size
ZZ	Shields on both sides, not touching
INOX	Stainless steel

greasing

NS7	KYODO YUSHI MULTEMP SRL

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	2	0 / -8	620-2
D	nominal outer diameter	5	0 / -8	620-2
B	width	2.3	0 / -40	620-2
Df	flange diameter	6.1	0 / -36	ISO 492
Bf	flange width	0.6	0 / -50	
rs min.	minimal chamfer dimension	0.08		625-4

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	161				48	
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		85000				
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	2	13				

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material specification

description	material	DIN/ISO	hardness
Inner ring	X95Cr18		
Outer ring	X95Cr18		
Balls	X95Cr18		
Cage	Sheet steel INOX		
Shields	Sheet steel INOX		
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Balls	100Cr6	683-17	58-65
Cage	Sheet steel		
Sealing washers	Sheet steel/NBR		
Cage	St12		
Shields	St12		
Shields	Sheet steel		
Inner ring	X65Cr13		
Outer ring	X65Cr13		
Balls	X65Cr13		
Shield	St12		
Sealing washers	St12/NBR		
Balls	Si3N4		
Sealing washers	Sheet steel INOX/NBR		
Inner ring	X90Cr18		
Outer ring	X90Cr18		
Balls	X90Cr18		
Inner ring	X95Cr18Mo		
Outer ring	X95Cr18Mo		
Balls	X95Cr18Mo		
Inner ring	INOX		58-62
Outer ring	INOX		58-62
Balls	INOX		59-66
Cage	SUS304		
Shields	SUS304		
Inner ring	X105CrMo17		
Outer ring	X105CrMo17		
Balls	X105CrMo17		
Sealing washers	Sheet steel/NBR, grey		
Sealing washers	St12/NBR, grey		
Inner ring	INOX		
Outer ring	INOX		
Balls	INOX		
Cage	X5CrNi18-10		
Shaft washer	X95Cr18		
Housing washer	X95Cr18		
Cage	Brass-sheet		
Shaft washer	100Cr6	683-17	58-65
Housing washer	100Cr6	683-17	58-65

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