Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article F 685 ZZ INOX MC3 NS7 **Art-No.** 51142 **brand** SKA **weight/kg** 0.003

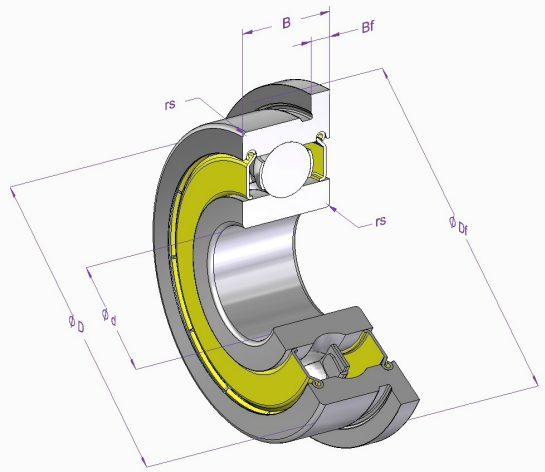
description

F	Design
685	Size
ZZ	Shields on both sides, not touching
INOX	Stainless steel
MC3	Internal clearance

greasing

NS7	KYODO YUSHI MULTEMP SRL

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	5	0 / -8	620-2
D	nominal outer diameter	11	0 / -8	620-2
Df	flange diameter	12.5	0 / -43	ISO 492
B	width	5	0 / -120	620-2
Bf	flange width	1	0 / -50	WERKSNORM
rs min.	minimal chamfer dimension	0.15		616
MC3	internal clearance	0.005 / 0.010		WERKSNORM

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	717	13	281	262	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		45000	

operating temperature	max. [°C]	min. [°C]
	120	-20

bearing clearance	radial min. [µm]	max. [µm]
	5	10

material specification

description	material	DIN/ISO	hardness
Inner ring	SUS440		58-62
Outer ring	SUS440		58-62
Balls	SUS440		58.5-65
Cage	Sheet steel INOX		
Shields	Sheet steel INOX		

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