Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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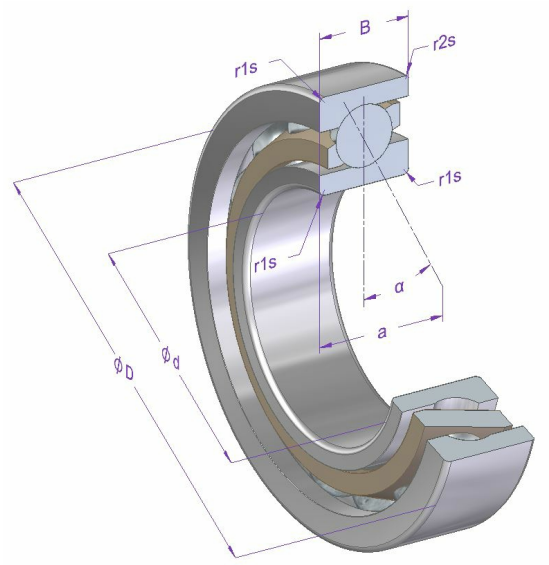
article 7003 A5 TYN SU L P4 **Art-No.** 42775 **brand** **weight/kg** 0.04

remark All data according to manufacturer catalog.

description

7003	Size
A5	Pressure angle
TYN	Plastic cage
SU	Universally pairable
L	Slight preload
P4	Tolerance class

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	Nenndurchmesser Innen	17	0 / -4	620-2
D	Nenndurchmesser Aussen	35	0 / -6	620-2
B	width	10	0 / -80	620-2
rs1 min	minimal chamfer dimension	0.3		616
rs2 min	minimal chamfer dimension	0.15		616
a	Lastabstand	11.1		
alpha	contact angle	25°		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	6300		281	3650	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		38500	57700

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

material specification

description	material	DIN/ISO	hardness
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Balls	100Cr6	683-17	58-65
Cage	PF		

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