Hans Saurer Kugellager AG
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data sheet

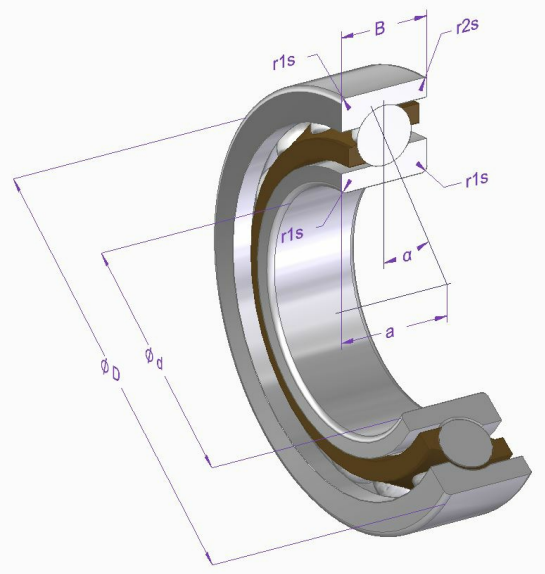
general data/description

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article 7301 B TVP UL P5 **Art-No.** 50529 **brand** SKA **weight/kg** 0.064

description	
7301	Size
B	Pressure angle
TVP	Plastic cage
UL	Universally pairable, slight preload
P5	Tolerance class

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	12	0 / -5	620-2
D	nominal outer diameter	37	0 / -7	620-2
B	width	12	0 / -80	620-2
r1s min.	minimal chamfer dimension	1		628-1
r2s min.	minimal chamfer dimension	0.6		628-1
alpha	contact angle	40°		
a	load application point	~16.3		
Fv	pretension [N]	200		
c	axial stiffness [N/µm]	100		
KaE	Lift-off force [N]	600		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	10500	250	281	4950	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		16300	26000

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	PA66+GF25		

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