Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

created: 19.02.2018 / 03

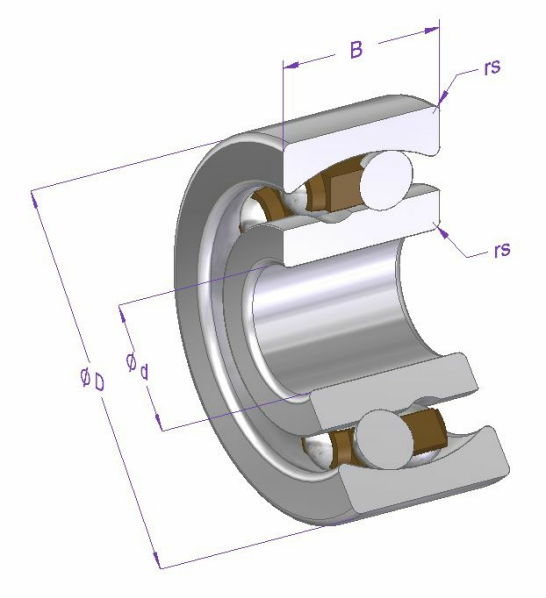
article 2205 TN **Art-No.** 49028 **brand** SKA **weight/kg** 0.165

remark Y-factors: Y1: Fa/Fr <= e / Y2: Fa/Fr > e / X-factors: X1: Fa/Fr <= e / X2: Fa/Fr > e.

description

2205	Size
TN	Plastic cage

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -10	620-2
D	nominal outer diameter	52	0 / -13	620-2
B	width	18	0 / -120	620-2
rs min.	minimal chamfer dimension	1		630
e	calculation factor	0.42		281
Y1	calculation factor	1.51		281
Y2	calculation factor	2.34		281
Y0	calculation factor	1.58		76
X1	calculation factor	1		281
X2	calculation factor	0.65		281
X0	calculation factor	1		76

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	11900	200		281	3190	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		12000	15000			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	11	24				

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	58-66
Cage	PA66+GF25		

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