Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

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article 22205 E W33 **Art-No.** 45782

brand SKA **weight/kg** 0.17

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

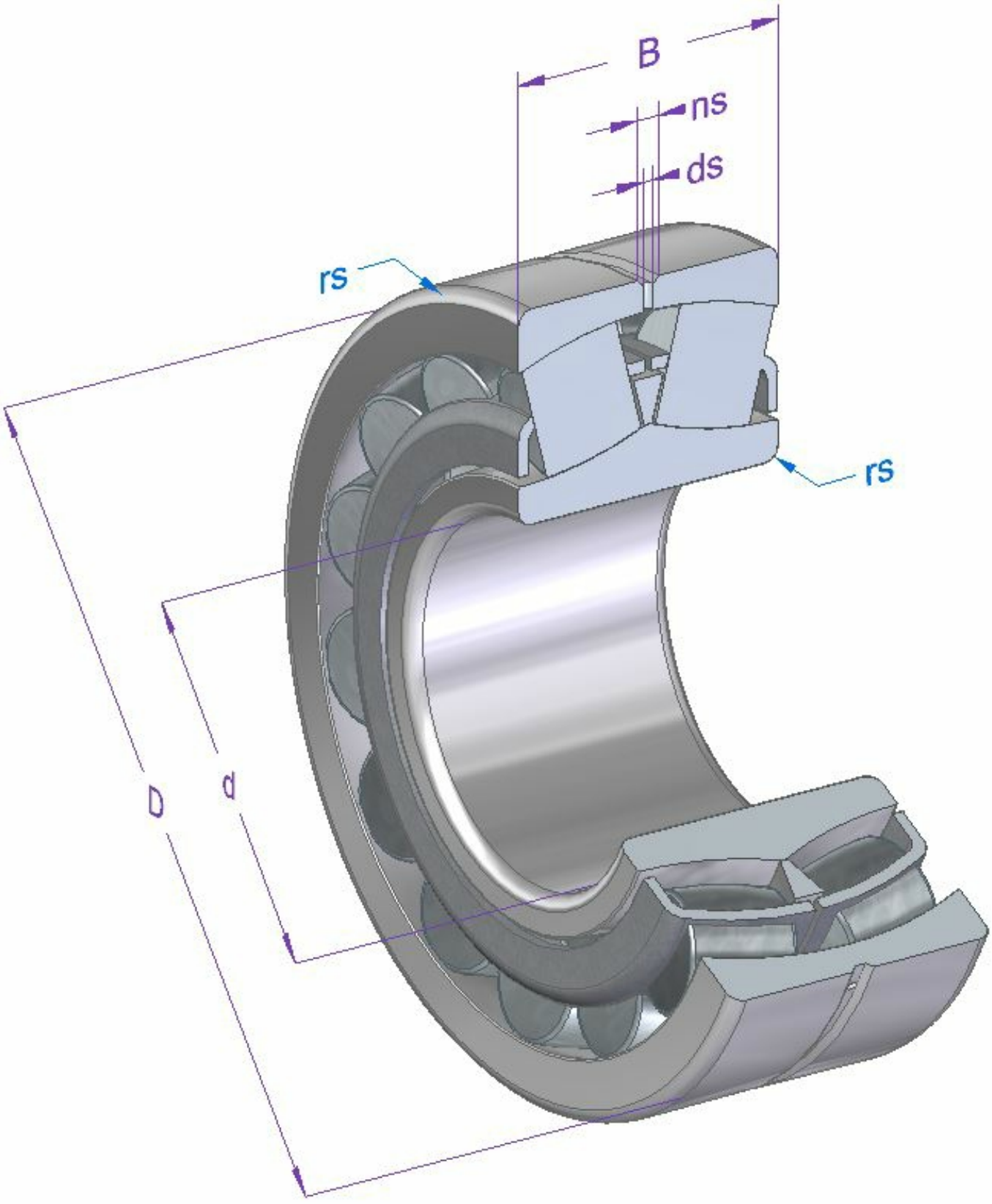
description

22205	Size
E	Reinforced version
W33	Lubrication groove and -hole in outer ring

dimensions and tolerances

article 22205 E W33 **Art-No.** 45782

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -10	620-2
d	nominal inner diameter	52	0 / -13	620-2

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dimension	Description	[mm]	tolerance [µm]	DIN/ISO
B	width	18	0 / -120	620-2
rs min.	minimal chamfer dimension	1		635-2
ns	lubrication groove width	3.7		
ds	diameter lubrication hole	3x Ø2		
e	calculation factor	0.35		281
Y1	calculation factor	1.92		281
Y2	calculation factor	2.86		281
Y0	calculation factor	1.88		76
X1	calculation factor	1		281
X2	calculation factor	0.67		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
	41500	4610	281	42900	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		7100	9000

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

bearing clearance	radial min. [µm]	max. [µm]
	25	40

material specification

description	material	DIN/ISO	hardness
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Spherical rollers	100Cr6	683-17	58-66
Cage	Sheet steel		
Guide ring	PM Steel		

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