general data/description

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article 22311 E W33 **Art-No.** 45644

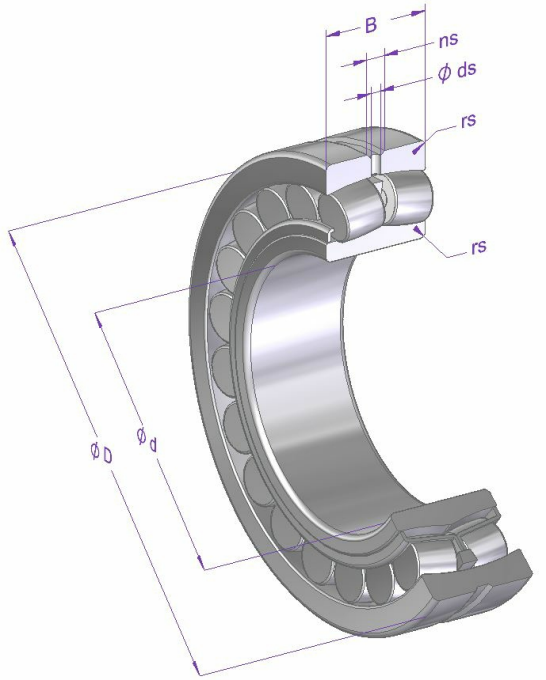
brand SKA **weight/kg** 2.30

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

description

22311	Size
E	Reinforced version
W33	Lubrication groove and -hole in outer ring

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	55	0 / -15	620-2
D	nominal outer diameter	120	0 / -15	620-2
B	width	43	0 / -150	620-2
rs min.	minimal chamfer dimension	2		635-2
ns	lubrication groove width	5.5		
ds	diameter lubrication hole	3x Ø3		
e	calculation factor	0.36		281
Y1	calculation factor	1.89		281
Y2	calculation factor	2.81		281
Y0	calculation factor	1.85		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
	233000	26100	281	276000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		3200	4000

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

bearing clearance	radial min. [µm]	max. [µm]
	40	65

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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		

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