general data/description

article 22218 E W33 **Art-No.** 45609

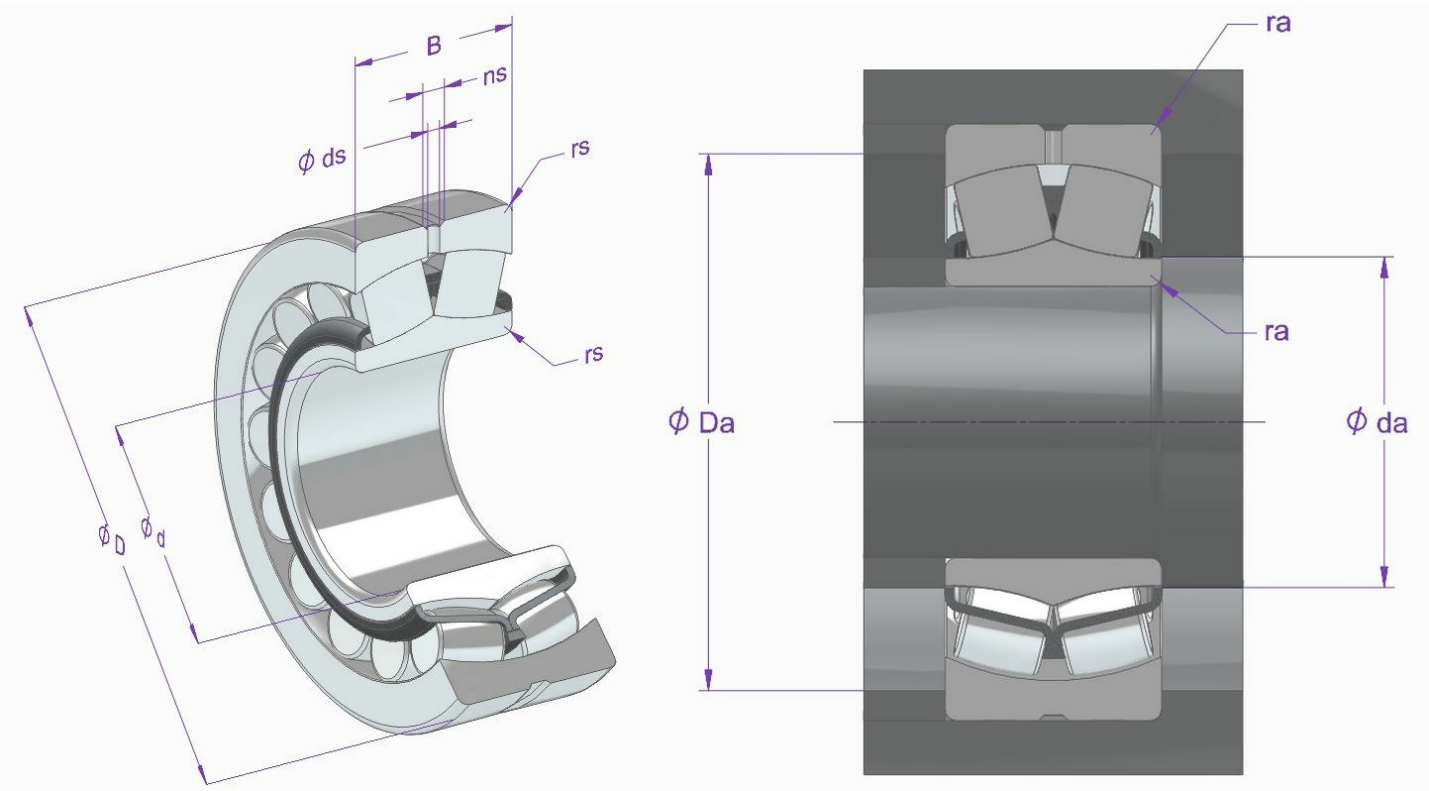
brand SKA **weight/kg** 3.25

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

description

22218	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	90	0 / -20	620-2
D	nominal outer diameter	160	0 / -25	620-2
B	width	40	0 / -200	620-2
rs min.	minimal chamfer dimension	2		635-2
ns	lubrication groove width	5.5		
ds	diameter lubrication hole	3x Ø3		
da min.	mounting dimension	101		5418
Da max.	mounting dimension	149		5418
ra max.	mounting dimension	2		5418
e	calculation factor	0.24		281
Y1	calculation factor	2.87		281
Y2	calculation factor	4.27		281
Y0	calculation factor	2.8		76
X1	calculation factor	1		281
X2	calculation factor	0.67		281
X0	calculation factor	1		76

article 22218 E W33 **Art-No.** 45609

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	312000	43900		281	374000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		2600	3400			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	60	100				

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.