



BEARING ITALIA S.P.A

100 mm x 165 mm x 52 mm SNR
23120.EAKW33C3 Double row spherical roller
bearings

Bearing No. 23120.EAKW33C3

d	100 mm
D	165 mm
B	52 mm
d2	114.7 mm
D1	146.9 mm
rs min	2 mm
Number of lubrication holes	3
b	8.4 mm
k	4 mm
Associated sleeve reference	H3120
e	0.28
Y1	2.39
Y2	3.56
Y0	2.34
Radial clearance class	C3
Mass	4.3 kg
Dynamic load, C	464 kN
Static load, C0	563 kN
Fatigue limit load, Cu	43.3 kN
Nref	3,200 rpm
Nlim	3,900 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C

23120.EAKW33C3 Bearing 2D drawings and 3D CAD
models



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Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.57 Hz
Characteristic outer ring frequency, BPF0	9.16 Hz
Characteristic inner ring frequency, BRFI	11.84 Hz
da min	111 mm
Da max	154 mm
ra max	2 mm