



USK BEARING COMPANY

120 mm x 180 mm x 46 mm SNR
23024.EMW33C3 Double row spherical roller
bearings

Bearing No. 23024.EMW33C3

d	120 mm
D	180 mm
B	46 mm
D1	164.9 mm
rs min	2 mm
Number of lubrication holes	3
b	7.8 mm
k	3.5 mm
e	0.22
Y1	3.14
Y2	4.67
Y0	3.07
Radial clearance class	C3
Mass	4.02 kg
Dynamic load, C	446 kN
Static load, C0	577 kN
Fatigue limit load, Cu	51.7 kN
Nref	3,300 rpm
Nlim	3,900 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling	9.06 Hz

23024.EMW33C3 Bearing 2D drawings and 3D CAD models



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element frequency, BSF	
Characteristic outer ring frequency, BPF0	11.15 Hz
Characteristic inner ring frequency, BPF1	13.85 Hz
da min	128.8 mm
Da max	171.2 mm
ra max	2 mm