



USK BEARING COMPANY

120 mm x 180 mm x 46 mm SNR
23024.EMW33C4 Double row spherical roller
bearings

Bearing No. 23024.EMW33C4

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	C4
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.EMW33C4 Bearing 2D drawings and 3D CAD
models



USK BEARING COMPANY

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