



USK BEARING COMPANY

90 mm x 190 mm x 64 mm SNR 22318.EMKC3
Double row spherical roller bearings

Bearing No. 22318.EMKC3

d	90 mm
D	190 mm
B	64 mm
d2	110.1 mm
D1	165.1 mm
rs min	3 mm
Number of lubrication holes	0
Associated sleeve reference	H2318
e	0.33
Y1	2.06
Y2	3.07
Y0	2.01
Radial clearance class	C3
Mass	8.53 kg
Dynamic load, C	668 kN
Static load, C0	652 kN
Fatigue limit load, Cu	58 kN
Nref	3,000 rpm
Nlim	3,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.68 Hz

22318.EMKC3 Bearing 2D drawings and 3D CAD models



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Characteristic outer ring frequency, BPF0	5.6 Hz
Characteristic inner ring frequency, BRFI	8.4 Hz
da min	104 mm
db min	100 mm
Ce min	7 mm
Da max	176 mm
ra max	2.5 mm