



## BEARINGS(UK)LTD.

100 mm x 180 mm x 46 mm SNR 22220.EF800  
Double row spherical roller bearings

Bearing No. 22220.EF800

d	100 mm
D	180 mm
B	46 mm
d2	118.2 mm
D1	160.8 mm
rs min	2.1 mm
Number of lubrication holes	3
b	11.2 mm
k	5 mm
e	0.24
Y1	2.84
Y2	4.23
Y0	2.78
Radial clearance class	C4 Special
Mass	4.82 kg
Dynamic load, C	472 kN
Static load, C0	495 kN
Fatigue limit load, Cu	52.6 kN
Nref	3,600 rpm
Nlim	4,600 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.42 Hz

22220.EF800 Bearing 2D drawings and 3D CAD models



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Characteristic rolling element frequency, BSF	6.23 Hz
Characteristic outer ring frequency, BPF0	7.61 Hz
Characteristic inner ring frequency, BRFI	10.39 Hz
da min	112 mm
Da max	168 mm
ra max	2 mm