



## BEARINGS(UK)LTD.

100 mm x 180 mm x 46 mm SNR  
22220EAKW33ZZ Double row spherical roller  
bearings

Bearing No. 22220EAKW33ZZ

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
Associated sleeve reference	H320
e	0.24
Y1	2.84
Y2	4.23
Y0	2.78
Radial clearance class	CN
Mass	4.94 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

22220EAKW33ZZ Bearing 2D drawings and 3D CAD  
models



## BEARINGS(UK)LTD.

Characteristic cage frequency, FTF	0.42 Hz
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