



Bearing No. 22220EMKW33

D	180,000 mm
d	100,000 mm
H	46,000 mm
B	46 mm
b	11.2 mm
k	5 mm
e	0.24
Y2	4.23
Y1	2.84
D1	160.8 mm
Y0	2.78
Nlim	4,600 rpm
Nref	3,600 rpm
Mass	5 kg
Da max	168 mm
da min	112 mm
ra max	2 mm
rs min	2.1 mm
Size (mm)	100x180x46
Width (mm)	46,000
Bearing number	22220EMKW33
Dynamic load, C	472 kN
Static load, C0	495 kN
Bore Diameter (mm)	100,000
Outer Diameter (mm)	180,000
Fatigue limit load, Cu	52.6 kN
Radial clearance class	CN
Number of lubrication holes	3
Associated sleeve reference	H320

Max operating temperature, Tmax	200 °C
Min operating temperature, Tmin	-40 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic outer ring frequency, BPF0	7.61 Hz
Characteristic inner ring frequency, BPF1	10.39 Hz
Characteristic rolling element frequency, BSF	6.23 Hz