



Bearing No. 22314EMKW33

b	10.4 mm
e	0.34
k	5 mm
d	70,000 mm
D	150,000 mm
H	51,000 mm
B	51 mm
Y0	1.96
Y1	2
d2	86 mm
Y2	2.98
D1	128.7 mm
Nlim	4,500 rpm
Mass	4.2 kg
Nref	3,800 rpm
da min	82 mm
db min	76 mm
Ce min	6 mm
Da max	138 mm
ra max	2 mm
rs min	2.1 mm
Size (mm)	70x150x51
Width (mm)	51,000
Bearing number	22314EMKW33
Dynamic load, C	420 kN
Static load, C0	396 kN
Bore Diameter (mm)	70,000
Outer Diameter (mm)	150,000
Radial clearance class	CN
Fatigue limit load, Cu	37.8 kN

Associated sleeve reference	H2314
Number of lubrication holes	3
Max operating temperature, Tmax	200 °C
Min operating temperature, Tmin	-40 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic outer ring frequency, BPF0	5.61 Hz
Characteristic inner ring frequency, BPFI	8.39 Hz
Characteristic rolling element frequency, BSF	4.72 Hz