



USK BEARING COMPANY

120 mm x 260 mm x 86 mm SNR 22324.EMC3
Double row spherical roller bearings

Bearing No. 22324.EMC3

d	120 mm
D	260 mm
B	86 mm
d2	156.9 mm
D1	224 mm
rs min	3 mm
Number of lubrication holes	0
e	0.32
Y1	2.09
Y2	3.11
Y0	2.04
Radial clearance class	C3
Mass	22.75 kg
Dynamic load, C	1,170 kN
Static load, C0	1,280 kN
Fatigue limit load, Cu	96.2 kN
Nref	2,000 rpm
Nlim	2,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.33 Hz
Characteristic outer ring	6.58 Hz

22324.EMC3 Bearing 2D drawings and 3D CAD models



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frequency, BPF0	
Characteristic inner ring frequency, BRFI	9.42 Hz
da min	134 mm
Da max	246 mm
ra max	2.5 mm