



## BEARING INDUSTRIA CUSCINETTI S.P.A.

300 mm x 500 mm x 160 mm SNR  
23160EMKW33 Double row spherical roller  
bearings

Bearing No. 23160EMKW33

d	300 mm
D	500 mm
B	160 mm
D1	440.4 mm
rs min	5 mm
Number of lubrication holes	3
b	16.7 mm
k	9 mm
Associated sleeve reference	H3160H
e	0.29
Y1	2.29
Y2	3.42
Y0	2.24
Radial clearance class	CN
Mass	123 kg
Dynamic load, C	2,970 kN
Static load, C0	5,240 kN
Fatigue limit load, Cu	321 kN
Nref	800 rpm
Nlim	1,000 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.44 Hz

23160EMKW33 Bearing 2D drawings and 3D CAD  
models



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Characteristic rolling element frequency, BSF	7.41 Hz
Characteristic outer ring frequency, BPF0	9.13 Hz
Characteristic inner ring frequency, BPFI	11.87 Hz
da min	320 mm
Da max	480 mm
ra max	4 mm