



BEARING INDUSTRIA CUSCINETTI S.P.A.

140 mm x 190 mm x 37 mm NTN 23928EMD1
Double row spherical roller bearings

Bearing No. 23928EMD1

d	140 mm
D	190 mm
B	37 mm
d2	153 mm
D1	177 mm
rs min	1.5 mm
Number of lubrication holes	3
b	8.2 mm
k	3.5 mm
e	0.16
Y1	4.16
Y2	6.2
Y0	4.07
Radial clearance class	CN
Dynamic load, C	310 kN
Static load, C0	458 kN
Fatigue limit load, Cu	49 kN
Nref	2,300 rpm
Nlim	3,400 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	160 ° C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	13.26 Hz

23928EMD1 Bearing 2D drawings and 3D CAD models



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Characteristic outer ring frequency, BPF0	15.73 Hz
Characteristic inner ring frequency, BRFI	18.27 Hz
da min	147 mm
Da max	183 mm
ra max	1.5 mm