



## BEARING ITALIA S.P.A

440 mm x 650 mm x 157 mm NTN 23088BL1  
Double row spherical roller bearings

Bearing No. 23088BL1

d	440 mm
D	650 mm
B	157 mm
d2	508 mm
D1	584.6 mm
rs min	6 mm
Number of lubrication holes	8
b	20 mm
k	12 mm
e	0.24
Y1	2.85
Y2	4.24
Y0	2.78
Radial clearance class	CN
Dynamic load, C	3,300 kN
Static load, C0	6,850 kN
Fatigue limit load, Cu	838 kN
Nref	610 rpm
Nlim	800 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	10.62 Hz

23088BL1 Bearing 2D drawings and 3D CAD models



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Characteristic outer ring frequency, BPF0	13.16 Hz
Characteristic inner ring frequency, BRFI	15.84 Hz
da min	463 mm
Da max	627 mm
ra max	5 mm