



# MP800 Cone Crusher

## Making you more profitable

The MP800 Cone Crusher has successfully been implemented into an existing limestone crushing circuit. An MP800 replaced a 7' Symons Cone Crusher. The basis for purchasing the MP800 crusher was:

- Strong technical support of new products and after sales service.
- Increased plant capacity to meet increased finished product demand.
- Reduce dependence on tertiary crushing

section by producing finer product.

- Control top size to 5 1/2' Symons Cone Crushers and allow crushers to operate more efficiently.
- No modifications had to be made to the existing concrete foundations.

The MP800 has increased plant production and has *"Made this customer more profitable"*.



# Nordberg MP800 Cone Crusher

Making you more profitable

Process Information	
Crushing Circuit	Three-Stage Crushing
Grinding Circuit	N/A

MP800 Crusher Specifications	
Installation Date	March, 1998
Replacement	7' Symons Heavy Duty Standard with 300 kW motor
Circuit Type	Secondary Open Circuit Crushing
Installed Power	600 kW
Cavity	Standard Coarse
CSS Setting	63.5 mm
Capacity	1510 tph
Crushing Limit	Volume

Performance Data	MP800
Production	1510 tph
C.S.S.	63.5 mm
F80	254 mm
P80	63.5 mm
Reduction Ratio	4.0
kWh/t	0.395
Operational Availability	90 - 95%

Ore Characteristics	
Ore Type	Limestone
Avg. Work Index	22.6 kWh/t
Max. Work Index	26.6 kWh/t
Specific Gravity	2.67
Bulk Density	1.2 - 1.3 t/m <sup>3</sup>
Abrasion Index	0.013 gms
Wear Metal Rate	4.0 gms/t

## Flow Sheet

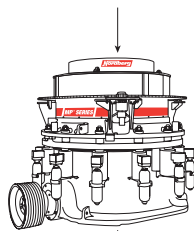
### MP800 Crusher Feed

Screen Size (inch)	Screen Size (microns)	Cumulative % Passing
12	304,800	100
8	203,200	56
6	152,400	42
4	101,600	33
3	76,200	22
2.5	63,500	16

### MP800 Crusher Discharge

Screen Size (inch)	Screen Size (microns)	Cumulative % Passing
4	101,600	100
3	76,200	94
2.5	63,500	80
2	50,800	66
1.5	38,100	51
1	25,400	38
0.75	19,050	33
0.5	12,700	28
0.375	9,525	22

MP800  
Cone  
Crusher



Symons 5-1/2'  
Crusher Feed

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