

Product datasheet

Liner selection for Metso® MP™ series crushers

This liner selection datasheet outlines basic guidelines for the standard range of our EXCEL™ mantle and bowl liners for Metso® MP™ cone crushers.

We have a large range of liners so you can use the type that performs best for your specific application. The provided charts will help you find the liners you need. Ideally, your operation should fall in the middle of the liner capability range.

Consider the following factors to select your liners:

- Maximum feed size (F100)
- Crusher CSS (closed side setting)
- Crusher capacity (tons per hour)
- Crusher position (secondary / tertiary / pebble)
- Reduction ratio (F80 / P80)

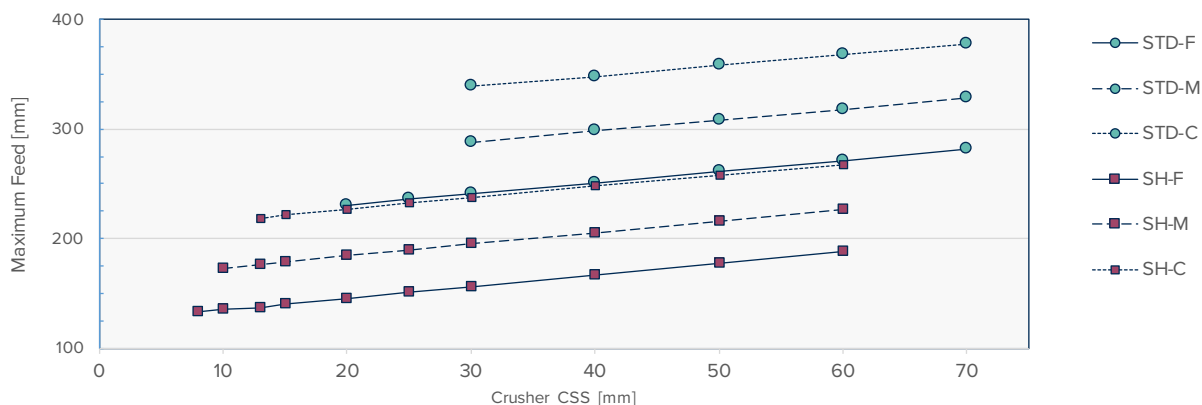
MP™ models - Feed opening vs CSS

Using the charts:

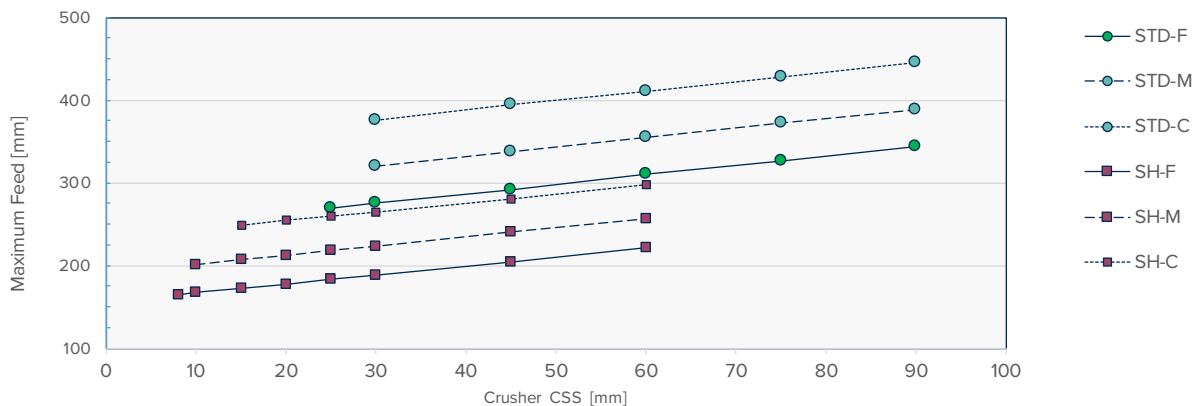
Secondary applications typically use the standard head configurations (STD), while tertiary or pebble applications typically use the short head configurations (SH).

The maximum standard feed size should be 80% of the maximum shown on the chart.

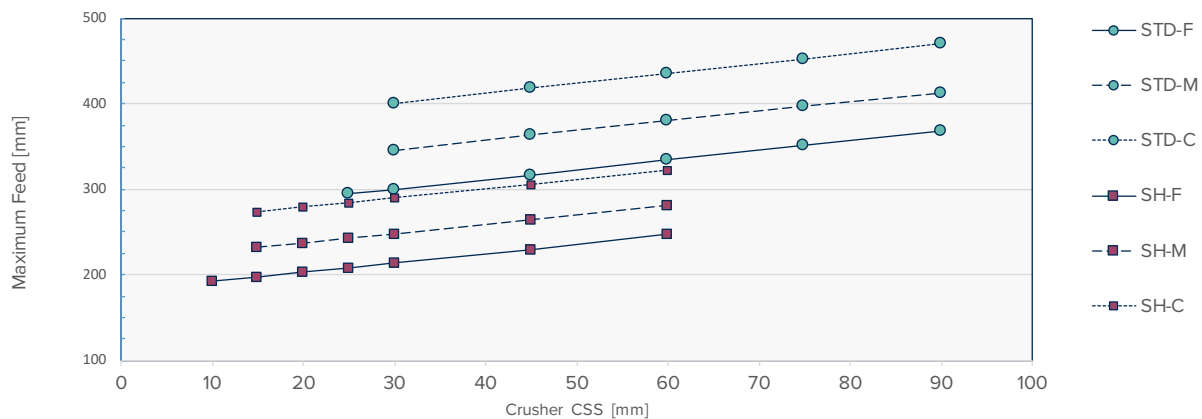
MP800™ Feed opening vs CSS



MP1000™ Feed opening vs CSS



MP1250™ Feed opening vs CSS



Crusher capacities with our EXCEL™ liners installed in Metso® MP™ series cone crushers

Using the Charts:

The capacities shown in the below charts are a range depending on the application, liner configuration, and operating conditions. The minimum capacity chosen for a difficult application is typically SH liners, while for easier applications STD liners are preferred.

Reduction ratio range: STD applications—3 to 5:1; SH applications—4 to 6:1

Crusher capacity (mtph) with EXCEL™ liners						
	MP800™		MP1000™		MP1250™	
CSS	Min*	Max**	Min*	Max**	Min*	Max**
10 mm	350 mtph	510 mtph	523 mtph	635 mtph		
13 mm	375 mtph	535 mtph	548 mtph	673 mtph	685 mtph	875 mtph
15 mm	385 mtph	545 mtph	558 mtph	710 mtph	720 mtph	923 mtph
20 mm	410 mtph	610 mtph	635 mtph	815 mtph	850 mtph	1060 mtph
25 mm	600 mtph	807 mtph	849 mtph	1035 mtph	1103 mtph	1346 mtph
35 mm	1027 mtph	1225 mtph	1255 mtph	1531 mtph	1632 mtph	1990 mtph
45 mm	1226 mtph	1495 mtph	1556 mtph	1898 mtph	2023 mtph	2467 mtph
50 mm	1337 mtph	1630 mtph	1681 mtph	2050 mtph	2185 mtph	2665 mtph

* Minimum capacity is an estimate for difficult applications

** Maximum capacity range is an estimate for easier applications

Product offering for our liners in Metso® cone crusher models						
	STD-F	STD-M	STD-C	SH-F	SH-M	SH-C
MP800™	X	X	X	X	X	X
MP1000™	X	X	X	X	X	X
MP1250™	X	X	X	X	X	X

In addition to the above liners, we sell custom tailored liner designs. Please contact us to help with your requirements.

EXCEL Cone Crusher Liners are offered in multiple material grades to best match each application.

SM 330 – Low abrasion resistance

HM830 – Medium abrasion resistance

XM1130 – High abrasion resistance

In order to get the best possible operation, let our liner specialists verify your selection.

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