



Triple Roll Crushers allow producers to accomplish two stages of reduction in a single crusher. Multiple duty classes are designed for use in coal, salt, coke, glass, trona, and other mineral processing applications. Triple Roll Crushers are capable of achieving a 6:1 reduction ratio in the primary crushing stage and a 4:1 reduction ratio in the secondary stage. This two-stage crushing system produces a cubical product at a high capacity.

SAFER

Designed with all necessary guarding, Triple Roll Crushers come with an automatic spring-and-toggle tramp protection system. This feature allows the crushing plate in the primary stage and the movable roll in the secondary crushing stage to open, safely pass non-crushable material and return to their original setting for continued operation, eliminating the need for manual clearing. Additionally, Triple Roll Crushers are designed with access doors to assist operators with inspecting potential wear points and to facilitate roll maintenance.

SIMPLER

The simplest part about using a Triple Roll Crusher is that you have one machine to operate and maintain in one location instead of two individual pieces of equipment. Designed with inter-meshing teeth, no timing gears are required to produce a cubical product. An optional automatic lubrication system can also be provided. Product size adjustment can easily be changed with little effort using the hydraulic product size adjustment feature that allows producers to adjust for changes in product size requirements or to compensate for roll wear.

SMARTER

McLanahan offers the only Triple Roll Crusher in the industry, and by having one machine to do the work of two, producers are creating a more efficient site by taking up less headroom and having one machine do the work of two. McLanahan Corporation has a lab that is fully capable of testing material to ensure the correct size and duty class of Triple Roll Crusher is selected for your application. Triple Roll Crushers also come with the option of McLanahan's carbide impregnated, weld-on teeth, which are proven to increase roll life up to three or four times the length of cast teeth.



Achieve a 6:1 reduction ratio in the primary stage and a 4:1 in the secondary.



One machine doing the work of two saves on space and increases efficiency.



McLanahan is capable of engineering complete crushing systems.

Triple Roll Crushers

STANDARD-DUTY AND MEDIUM-DUTY CAPACITIES IN METRIC TONS PER HOUR

Product Size	Lengths of Roll				
	610mm	914mm	1219mm	1524mm	1829mm
13mm	57	85	113	142	171
19mm	85	128	171	213	256
25mm	113	171	227	285	341
32mm	132	200	265	331	399
38mm	142	214	285	356	428
50mm	151	227	304	379	454

Capacities in this chart are based on average friable material weighing 0.8 MTon per cubic meter. Larger product sizes may be obtained if required for special applications.

SUPER TRIPLE ROLL CRUSHERS CAPACITY INFORMATION

McLanahan Super Triple Roll Crushers are ideal for high capacity applications reducing large run-of-mine feeds to a marketable size in one pass. Super Triple Roll Crushers are manufactured with roll diameters up to 914mm, widths up to 3048mm, and capacities up to 5,443 MTPH. For accurate sizing and specification for your application, please contact the McLanahan sales team with your application details.