

Case Study:	
Production benefits and Overview to replacing a Symons 3-foot and installing a new SRH SC110 Cone Crusher.	
Crushing Equipment Supplied	SRH SC110 Direct replacement for a Symons 3-foot STD Medium Cone Crusher
Site Province:	Eswatini, Mbabane
Material Processed:	Granite
Commodities, Aggregates or Recycling:	Aggregates
Crusher Detail	SC110 replaced a Symons 3 foot
Product Sizes Produced:	-28mm
Primary Product Produced:	Product to be produced at Primary Plant: -55mm Max Stone size into Cones from Jaw crusher: SC110: 120mm (Crusher draw more tonnage, cavity fuller, better interparticle crushing in Jaw and Cone) Symons 3 foot: 120mm
Production Tonnage:	SC110: 100tph. 20 tph more than the Symons 3 foot Symons 3-foot 80tph

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Feed Properties i.e. Max Feed Size and general grading overview	Granite -600mm feed into jaw with 120mm CSS. +120 stockpiled and -120mm to 0mm into Cone Crusher
Rationale behind suggested equipment :	Direct Symons replacement, SC110 is the most compatible replacement with the Same footprint, improved features and performance.
Method of Feeding:	Conveyor into crusher
Current Feed Rate into cone:	SC110: 100tph Symons 3 foot: 80tph
Current output tonnage of Plant:	SC110: 200tph / 30 tph more through plant Symons 3 foot: 170tph
Liner profile – where applicable	SC110: STD medium Symons: STD coarse
CSS – Where applicable	24mm

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<p>Motor Power Kw:</p>	<p>SC110: 110kw Symons 3 foot: 75kw</p>
<p>Screen Media Used – Where applicable (By Deck with aperture)</p>	<p>N/A</p>
<p>Photo of feed material</p>	

Photo of products produced



Photo of equipment in operation



Direct Benefits include increased production, improved product shape for the tertiary plant to produce aggregates. Direct footprint meant minimal structural changes to the plant were required to install.

The New machine means less downtime and improved availability with access to spare and wear parts.

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