


STRIKER
CRUSHING & SCREENING



STRIKER HMRI312

Impactor



Unlimited Solutions
for Limited Resources

MINING RANGE

Tracked Impact Crushers



Tracked Plant Features

Vibrating Grizzly Feeder

Feeding the materials into the Impact Crusher and/or fines chute is a vibrating grizzly feeder including :-

Vibrating Unit

The feeder is driven by a twin shaft exciter mounted under the rear of the vibrating feeder. This driven by a single hydraulic motor and produce a forward linear motion.

Pan

The feeder floor is fitted with Hardox 400 bolted replaceable wear liners. These extend the quality and life of the feeder.

Grizzly Section

The grizzly section is a double step grizzly that is easily removed.

Feed Hopper

The feed hopper is manufactured from Mild steel and is fitted with Hardox 400 liners. To raise and lower the wings, hydraulic cylinders are used to bring the travelling height down to a minimum and allow for maintenance to the vibrating feeder.

Track Frame

The track is manufactured from heavy-duty frame steel having 4.2m longitudinal centers along with 500 wide tracks as a standard with an overall track width of 3m.

Forward Product Conveyor

The forward conveyor or main conveyor is a 1200mm wide, troughed belt conveyor with a fixed tail section and discharges onto the screen. The belt is driven via a hydraulic drive motor.

Screen

Fitted to the front of the crushing plant is a 14ft x 5ft single deck vibrating screen. The screen is designed to be used for the production of road base materials and can be fitted with a variety of screen mesh sizes. Fitted beneath the screen is a 1200mm wide product conveyor. Fitted to the screen discharge is a transfer conveyor, and is driven via a hydraulic motor mounted at the head drum. The conveyor discharges onto the screen to impactor returns transfer conveyor.

Screen To Impactor Transfer Conveyor

500mm wide troughed belt transfer conveyor. The conveyor is fed from the screen oversize transfer conveyor. Fitted to the full length of the conveyor are skirt panels to eliminate spillage. The conveyor is driven via a hydraulic motor mounted at the head drum.

The conveyor discharges into the impactor via a Hardox lined chute. The roof of the impactor is modified to suit the chute entry and is fitted with wear plates as per the standard impactor roof.

Side Discharge Conveyor

600mm wide giving a discharge height of approximately 2.1m. The belt is driven via a hydraulic drive motor. The side discharge dirt conveyor is hydraulic folding.

Fines Transfer Chute

Fitted beneath the vibrating grizzly is the fines transfer chute. This chute transfers the material passing the grizzly bar setting onto either the forward product conveyor or the side discharge conveyor. Material can also be blended if required.

Magnet

A magnetic cross-belt separator is suspended over the on-plant product conveyor and is complete with permanent magnet and a hydraulic drive.

Powerpack

CATERPILLAR model C13 engine with electronic governing and emission control powers the plant. Rated at 425 bHP (315 kW) @ 2000 rpm designed to drive the impactor via a KPTO transmission.

Extra Heavy Duty Rotor

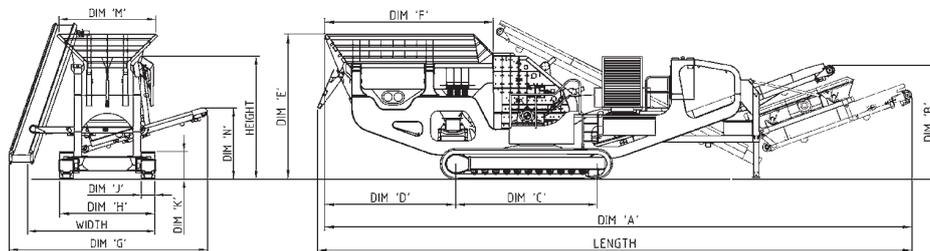
SCE - HD Impact Crushers incorporate heavyduty open disc style rotors with four blow bars as a standard. Absorbing energy generated by impacting forces is the key to success in crushing large feed sizes. Providing high inertia ensures optimum crushing is achieved. The rotor is supported by bearings mounted in suitable solid housings manufactured from steel blocks with self-purging labyrinth seals.

Hydraulic Impact Arms

Impact plates are identical cast blocks that are interchangeable, thereby permitting optimum utilization. Gap settings between impact arm and rotor are adjusted via hydraulics to allow the product size to be controlled. Hydraulic pressure on the impact arms is pre-set to resist the passage of uncrushed material through the impactor. If overloading, power failure, etc. causes material to exceed the pre-set pressure the impact arms retract in a controlled manner. Following completion of the retraction movement, the arm returns to its set gap position.

Options

Special features are available depending on the client's requirements. A few examples; A conveyor weigh scale, extended hopper wings, side conveyor, variable feed configuration for the crusher for secondary/tertiary applications.



MODEL	WORKING DIMENSIONS											TRANSPORT			
	A	B	C	D	E	F	G	H	J	L	M	WIDTH	HEIGHT	LENGTH	WEIGHT
HMR1312	17260	3370	3800	3960	4100	4670	5820	400	815	3843	2100	3740	4100	17470	62 T

* - WEIGHT VARIABLE WITH OPTIONS



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