



RockRanger

Mobile Primary Jaw Crushers



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Parker Jaw Crusher 'RockRanger RE' Series

The 'RockRanger' is a fully mobile primary crushing plant complete with a Parker 'Rocksizer' or 'RockSledger' single toggle Jaw crusher. Built around a strong straight beam chassis with standard supports for feed section, crusher, power unit and conveyor frame. The chassis is complete with access/maintenance platforms to the crusher and power unit and a main operator platform overlooks all stages of operation. The 'RockRanger' is a high-capacity, extremely mobile crushing unit suitable for demolition, quarry or gravel feed application.

1 - Feed Hopper:

Externally reinforced heavy duty steel plate hopper. (RE1180 folds down for travelling).

2 - Feeder Grizzly:

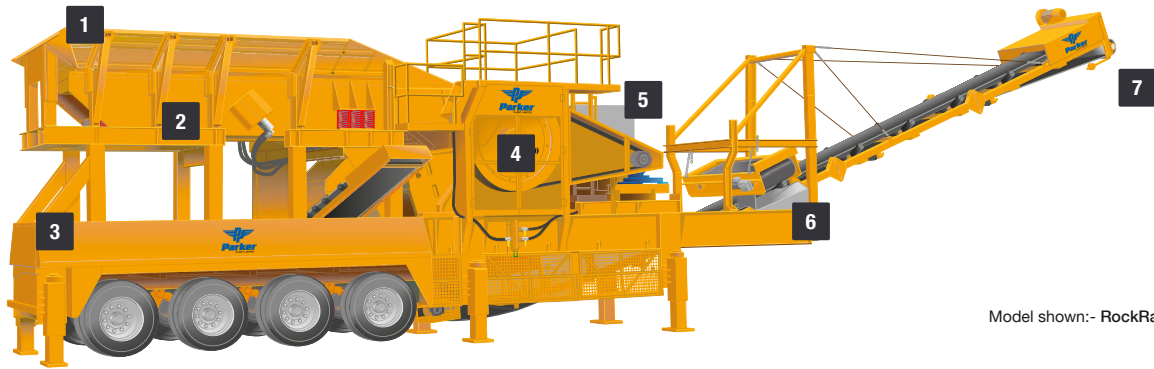
Vibrating feeder with integral grizzly section supported on heavy duty coil springs. The linear movement is imparted to all parts by twin contra-rotating motors.

5 - Power Unit:

Either Electric or diesel hydraulic Caterpillar engine or similar, complete with hydraulic power take off.

7 - Product Conveyor:

Wide belt conveyor with heavy duty impact idlers under crusher discharge. Lagged head drive pulley with sealed for life bearings on all idlers and bearings. Folds back for travelling.



Model shown:- RockRanger RE1180

3 - Chassis and Running Gear:

Robust fabricated chassis with all necessary operator platforms and access ladders. (the running gear for the RE1180 is quad-axle bogie and the RE1165 is a standard tri-axle bogie). Operating jacks are as standard for levelling the machine.

4 - Jaw Crusher:

'RockSizer' (single toggle up-thrust) or 'RockSledger' (single toggle down-thrust) design. Heavy duty reinforced fabricated welded steel plate body. High grade steel eccentric shaft. Hydraulically adjusted jaw settings.

6 - Over-band Magnet:

Powered hydraulically an optional over-band magnet is available for clearing metal fragments from crushed material.

Advantages:

- 'RE' Conforms to European design standards for road use.
- High capacity 'Rocksizer' or 'RockSledger' Jaw crusher.
- Wide discharge conveyor/good under crusher clearance.
- Diesel hydraulic drive, all electric or electro-hydraulic
- Heavy duty feeder with grizzly section.
- Rapid to relocate, easy to set-up & operate.

Options:

- Side discharge conveyor
- Over-band magnet
- Operators cabin
- Hydraulic breaker
- Hydraulic front jacks
- Hydraulic product conveyor
- Hydraulic tail lift
- Hydraulic folding side conveyor
- Hydraulic clutch release
- Dust suppression
- Plant lighting

Crusher Size	Maximum Feed Size (mm)	Feed Height (mm)	Vibrating Grizzly Feeder (mm)	Product Conveyor width (mm)	Product Conveyor Discharge Height (mm)	Power to Drive (kW)	Total Machine Weight (tonnes)	Weight on the Kingpin /Rear axle (tonnes)	Travelling Length (mm)	Travelling Width (mm)	Travelling Height (mm)	Jaw Setting: (mm) Crusher Settings								
												40	50	65	75	100	125	150	175	200
700 x 450	410	4000	800x2700	800	3320	37	24	10/14	9620	2500	*4000/4550	35-45	46-60	50-65	65-85	80-105	100-130			
800 x 500	455	4000	900x3000	800	3320	90	28	11/17	9620	2500	*4000/4550		50-65	60-80	75-100	90-120	105-140			
1100 x 650	625	4000	1200x4500	1000	3800	110	47	17/30	11590	2500	*4000/4680			100-125	135-175	175-220	210-265	250-310	290-350	
1100 x 800 1100 x 800(RQ)	760	4540 4500	1200x5000 1200x4500	1000 1000	3800 3800	110 110	58 57	18/40 18/39	13020 12220	2500 2840	*4000/4540 4500					140-175	175-220	210-265	250-310	290-350

*Transport height with and without handrail removed

NOTE: Capacities quoted are intended as a guideline only, and are based on a clean, dry graded continuous feed material (weighing 1600kg/m³ (100lb/ft³) and a S.G. of 2.7 average), which will readily enter the crusher feed opening without obstruction, with 100% greater than the jaw setting and 25% less than twice the jaw setting. Actual capacities can vary considerably from those given, due to the following application and operational factors: 1) **MATERIAL** - Friability & Toughness, 2) **FEED CONDITIONS** - Grading of feed size (Compliance with Euro STD), 3) **INSTALLATION** - Method of feeding, Removal of undersize. [Operation at settings outside those stated should be referred to the works].

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