Parker
PLANT LIMITED

Cone Ranger

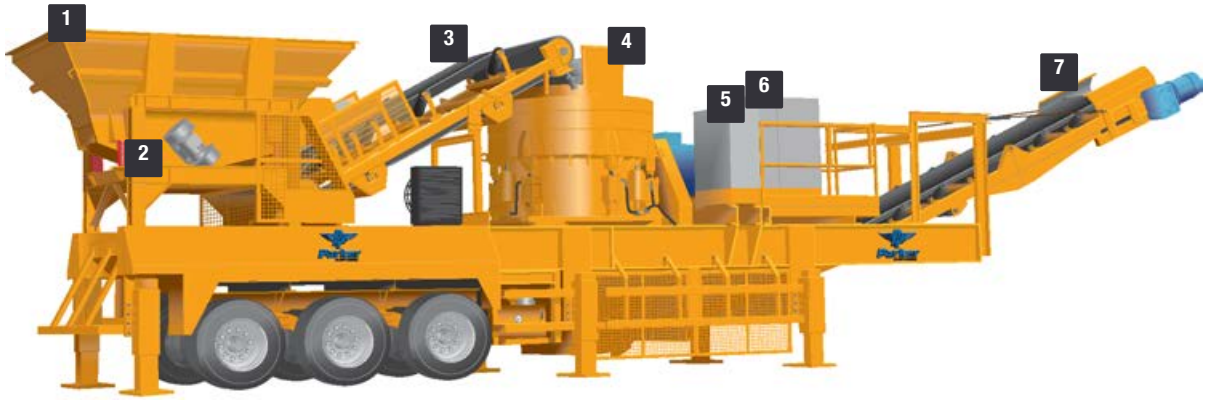
Mobile Cone Crushing Units

Quality Engineered
Excellence Since 1911

Parker 'ConeRanger' CE Series

The 'ConeRanger' is a fully mobile secondary crushing plant complete with a Parker cone 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 operators platform overlooks all stages of operation. The 'ConeRanger' is a high-capacity, extremely mobile crushing unit suitable for demolition, quarry or gravel feed application.

Model illustrated below **'ConeRanger'** CE1200E



1 - Feed Hopper

Large capacity steel plate feed hopper with external reinforcement, and with nominal feed mouth.

2 - Vibrating Feeder

Vibratray feeder with variable speed drive from twin contra-rotating hydraulic/electric motors.

3 - Feed Conveyor

Troughed belt conveyor, driven by hydraulic motor or electric drive, which fold back manually for maintenance access to the cone cavity.

4 - Cone Crusher & Hydraulic Control System

Parker 900 or 1200 cone fitted with any one of seven interchangeable crushing cavities. Full hydraulic control system with manually operated valves and a hydraulic power unit housed within a steel cubicle mounted on the control/adjustment platform. The cubicle contains starters for the cone hydraulic pump, lubrication pump, and lubrication oil cooler. A digital meter indicates changes in crusher setting.

5 - Power Unit

Either Electric or diesel hydraulic Caterpillar engine or similar if stated otherwise.

6 - Control Functions

Setting adjustment, even under full crushing load. Hydraulic overload tramp iron protection. Either system, or both can be used for cavity clearing in the event of power failure or severe overload.

7 - Product Conveyor

Wide troughed belt conveyor with heavy duty three-roller impact idlers under crusher discharge. Lagged head drive pulley with sealed for life bearings on all idlers and bearings. Includes a counterbalanced belt scraper. The product discharge conveyor folds back for travelling.

Advantages:

- Rugged practical design incorporating the well proven fully hydraulic Parker Cone Crusher.
- Powered electrically and hydraulically by a self contained diesel engine power pack.
- Quick on-site installation promoted by the hydraulic front jacking and product conveyor folding facilities.

Size	Cavity	Recommended Minimum Discharge Setting (mm)	Feed Opening (mm)		Crusher Closed Side Setting (mm) Recommended Range											Maximum Jaw Setting (mm)
			Open Side	Closed Side	6	8	10	12	15	20	25	30	35	40	50	
900	Extra Fine	6	45	30	55	65	70	80								
	Fine	8	65	45		70	80	85	95							
	Medium Fine	10	85	65			80	90	100	115						
	Medium	12	115	95				95	105	120	135	150				65
	Medium Coarse	15	150	130					110	125	140	165	190			75
	Coarse	25	180	165							150	170	195	220		115
	Extra Coarse	30	215	200								180	210	235		125
1200	Extra Fine	6	75	55	85	95	100	110								
	Fine	8	90	65		100	105	120	130							
	Medium Fine	12	115	90				130	145	165	180					
	Medium	15	145	135					150	170	195	225				115
	Medium Coarse	20	170	155						175	205	230	265	300		125
	Coarse	25	210	195							210	240	275	315	350	140
	Extra Coarse	30	250	230								255	290	340	380	150

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. 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 under size. [Operation at settings outside those stated should be referred to the works].

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Parker Plant Limited, Viaduct Works, Canon Street, Leicester, LE4 6GH, United Kingdom
T: +44 (0) 116 266 5999 F: +44 (0) 116 266 4422 W: www.parkerplant.com E: sales@parkerplant.com