Parker
PLANT LIMITED

Cone

Cone Crushers

Quality Engineered
Excellence Since 1911

Parker Cone Crushers

1 - Integral Feed Hopper

The short shaft cone design (that does not require a top bearing) gives a totally un-restricted feed opening. The steel plate feed hopper is integral with the machine (dead pocket-lined when operating)

2 - Crusher Setting

Push button remote hydraulic adjustment of the crusher closed-side setting (even under full load) with fail-safe clamping. Hydraulics release the mechanical clamping wedges, with further hydraulic cylinders to adjust bowl position. A transducer gives remote digital indication of bowl position (& liner wear).

3 - Crushing Members

Seven standard interchangeable cavity designs, selected to suit the application. The wear resisting manganese steel crushing members are profiled for maximum wear life, and optimum product analysis.

4 - Countershaft Assembly

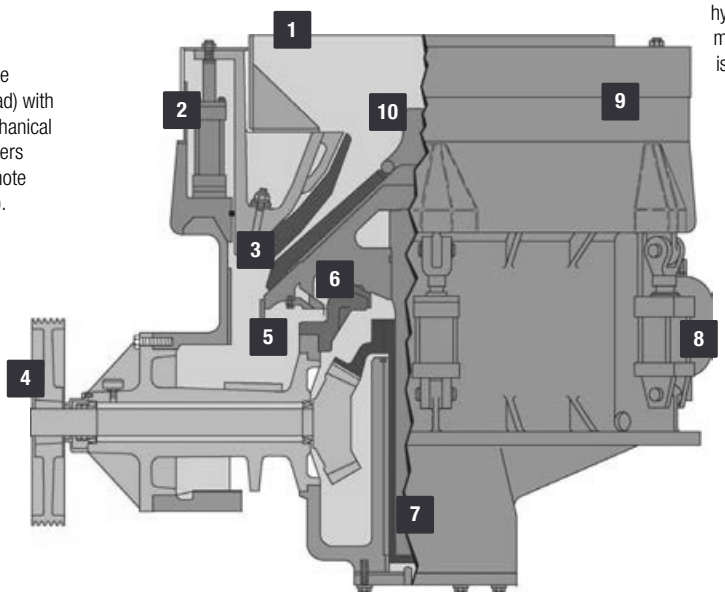
Countershaft sub-assembly unit, readily removed from the side of the crusher for servicing. Machine cut bevel gears drive the eccentric and the countershaft runs in grease lubricated taper roller bearings.

5 - Dust Seals

Self-lubricating sliding wiper and contact seal arrangement which effectively checks dust entry/contamination.

10 - Mantle Removal

Torch ring readily cut away to release the mantle for replacement.



6 - Head Thrust Bearings

Head Thrust forces are transmitted to the mainframe via a pressure oil lubricated spherical plain bearing, which also prevents excessive head spin.

9 - Overload/Tramp Metal Protection

Fully automatic hydraulic system to allow passage of uncrushable materials through the machine. Includes hydraulic cylinders to clamp the upper body to the mainframe: on overload condition, the upper body is allowed to rise, with hydraulic oil displaced into accumulators that return the oil under gas pressure once the tramp mantal has cleared the crusher cavity.

8 - Hydraulic Clearing

Following a power failure or when the machine is stopped under load, it is necessary to clear the crusher cavity like any cone crusher. Either the adjustment or overload circuits may be used, or both to give twice the clearance capacity of other cone crusher designs.

7 - Main Shaft & Eccentric Bearings

Pressure oil plain journal bearings for the main shaft & eccentric, providing excellent shock characteristics and a long service life.

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
1350	Extra Fine	6	75	55	120	130	145	160								
	Fine	10	100	75			150	170	190	200						
	Medium Fine	15	125	95					200	220	235	250				
	Medium	20	160	145						225	245	290	320			125
	Medium Coarse	25	210	190							260	300	340	380		150
	Coarse	30	250	230								330	370	415	455	180
	Extra Coarse	35	280	260									400	445	490	200

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].

Jun11

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