

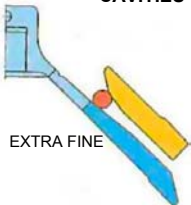
# PARKER CONE CRUSHERS



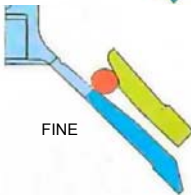
- Push button hydraulic setting adjustment.
- Automatic hydraulic overload/tramp iron protection system.
- Cavity clearing - double the clearance lift of most other cone crushers.
- Totally unrestricted feed opening.
- Compact crusher design – suited to mobile plants or height-restricted installations.
- Fully automatic oil lube system.
- Choice of SEVEN standard cavity configurations.

## PARKER CONE CRUSHERS

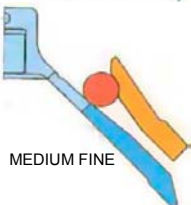
### SEVEN INTERCHANGEABLE STANDARD CRUSHING CAVITIES



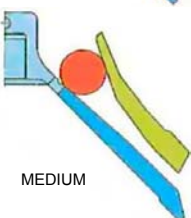
EXTRA FINE



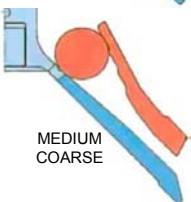
FINE



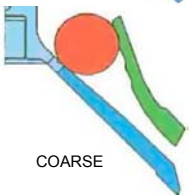
MEDIUM FINE



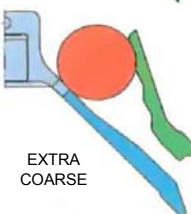
MEDIUM



MEDIUM COARSE



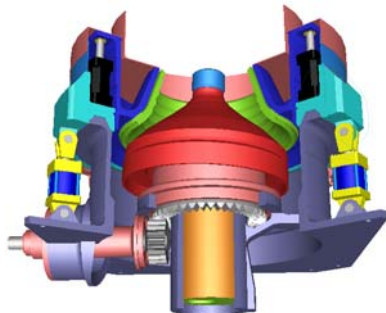
COARSE



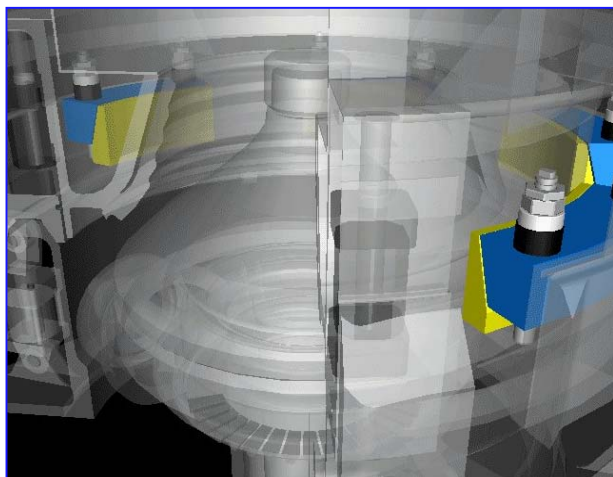
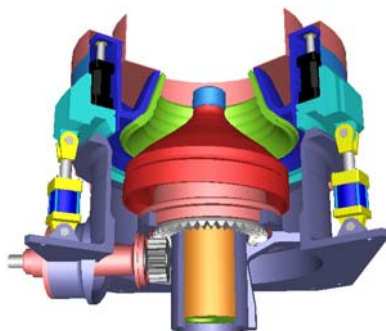
EXTRA COARSE

**ULTIMATE VERSATILITY!**

### PARKER CONE in normal operating position



### PARKER CONE in full clearance position, with both overload and adjustment systems utilised.



#### 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).

#### CRUSHER SETTING

Push button remote hydraulic adjustment of 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 position transducer gives remote digital indication of bowl position (and liner wear).

#### 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.

#### 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 lube taper roller bearings.

#### DUST SEALS

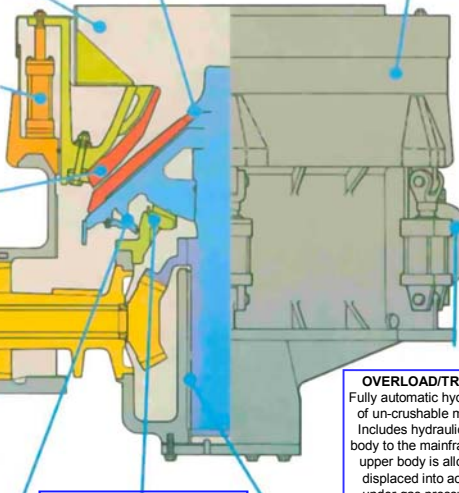
Self-lubricating sliding wiper and contact seal arrangement which effectively checks dust entry/contamination.

#### MANTLE REMOVAL

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

#### HYDRAULIC CLEARING

Following a power failure or when the machine is stopped under load, it is necessary to clear the crushing cavity 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.



#### HEAD THRUST BEARINGS

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

#### OVERLOAD/TRAMP METAL PROTECTION

Fully automatic hydraulic system to allow passage of un-crushable 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 metal has cleared the crusher cavity.

#### MAINSHAFT AND ECCENTRIC BEARINGS

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

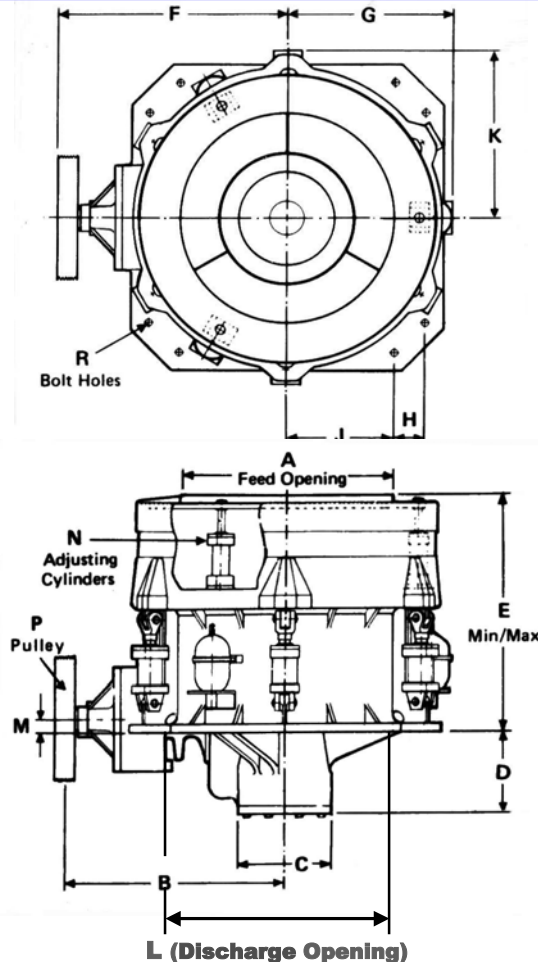


## PARKER CONE CRUSHERS



PARKER CONE Crushers are compact, low-headroom, units. They are well balanced in operation, and well suited for mobile/portable applications and fixed plant installations. Parker offer a range of electric & diesel driven CONERANGER mobile & portable plants.

### PARKER CONE CRUSHER UNITS PRINCIPAL DIMENSIONS



DIMENSION	900 CONE	1200 CONE	1350 CONE
A	Ø 1064mm	Ø 1380mm	Ø 1530mm
B	1150mm	1425mm	1475mm
C	Ø 530mm	Ø 610mm	Ø 685mm
D	411mm	541mm	506mm
E	1235 to 1350mm	1480 to 1650mm	1630 to 1800mm
F	1218mm	1506mm	1582mm
G	825mm	1080mm	1160mm
H	150mm	200mm	200mm
J	550mm	700mm	800mm
K	885mm	1110mm	1255mm
L	Ø 1220mm	Ø 1575mm	Ø 1735mm
M	90mm	90mm	140mm
N	6 Off	6 Off	6 Off
P	630mm PCD 5 SPC Grooves	800mm PCD 6 SPC Grooves	1000mm PCD 8 SPC Grooves
R	8 Off – M30	8 Off – M36	8 Off – M45
PULLEY R.P.M	685	550	550
WEIGHT	9 Tonnes	17 Tonnes	21.5 Tonnes
DRIVE MOTOR*	75 to 90kW	110 to 150kW	150 to 200kW
HYDRAULIC PACK	4kW	4kW	4kW
LUBE PACK	1.5kW	2.2kW	3.0kW
LUBE OIL COOLER	0.25kW	0.37kW	0.55kW

\*Larger drives only necessary with very tough feed materials

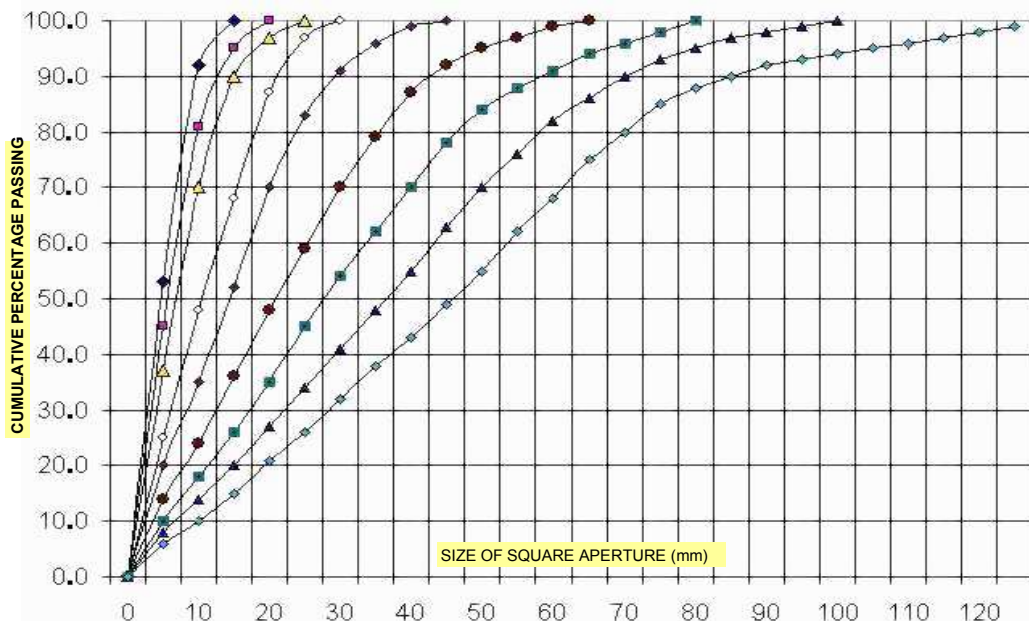
## PARKER CONE CRUSHERS

### CONE CRUSHER SIEVE ANALYSIS - SETTINGS 6mm to 60mm

MEDIUM HARD ROCK

CRUSHER  
CLOSED-SIDE  
SETTING

- ◆ 6mm
- 8mm
- ▲ 10mm
- ◇ 15mm
- ◆ 20mm
- 30mm
- 40mm
- ▲ 50mm
- ◇ 60mm



### PARKER CONE CRUSHER CAPACITY

(TONNES/H: OPEN CIRCUIT)

MACHINE SIZE	CAVITY	Recommended Minimum Discharge Setting (mm)	FEED OPENING (mm)		CRUSHER CLOSED-SIDE SETTING (mm)											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	
	Extra Coarse	30	250	230								255	290	340	380	
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	
	Extra Coarse	35	280	260									400	445	490	

NOTE: Capacities stated are for guidance only. Actual output depends on the physical characteristics and size analysis of the feed material

All reasonable steps have been taken to ensure the accuracy of this publication. However, due to continuous development of the products, Parker Plant Limited, reserve the right to change details without notice. All machines supplied in accordance with our standard conditions. Illustrations may show optional equipment.

Parker Plant Limited, P O Box 146, Canon Street, Leicester, LE4 6HD, England

Tel: +44 (0)116 266 5999 Sales Fax: +44 (0)116 261 0812

E-Mail: [sales@parkerplant.com](mailto:sales@parkerplant.com) Website: [www.parkerplant.com](http://www.parkerplant.com)