



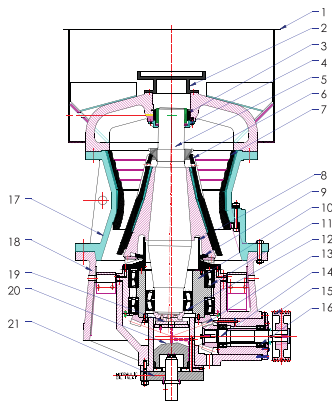
**PUZZOLANA**

*Foundation for Excellence*



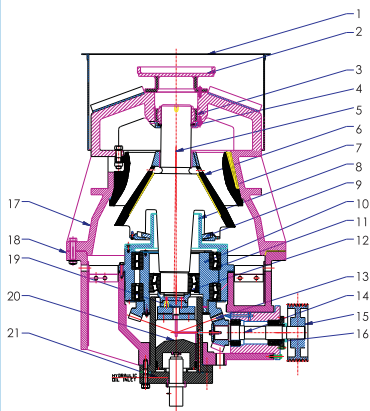
**CONE CRUSHER**

# PUZZOLANA G-Type Cone Crusher:



- 1) Hopper
- 2) Top cover
- 3) Spherical plain bearing
- 4) Bearing seal
- 5) Main shaft
- 6) Mantle
- 7) Concave
- 8) Dust seal bonnet
- 9) Dust seal
- 10) Eccentric bush
- 11) Eccentric bush bearings
- 12) Main shaft bearing
- 13) Bevel gear pair
- 14) Counter shaft
- 15) Pulley
- 16) Counter shaft bearings
- 17) Upper body
- 18) Lower body
- 19) Spherical seat
- 20) Hydraulic cylinder
- 21) Cylinder cover

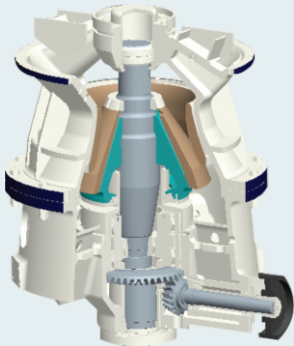
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### WHAT MAKES PUZZOLANA CONE CRUSHERS POPULAR IN THE MARKET.

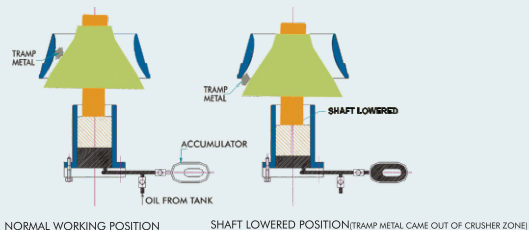
- 1) Puzzolana cone crushers are made with roller bearings. The eccentric and main shaft roller bearings provide precision guidance and their design capacity is much more than working loads. This ensures trouble free long working life and low operating cost.
- 2) All the parts easily accessible, hence easy to inspect and maintain.
- 3) Almost vertical profile chamber, ensures constant product size throughout the life of mantle and concave.
- 4) Three crushing chambers are available for each model of crushers, by proper selection of crushing chamber, the product size can be easily changed.
- 5) Interior of the crusher is pressurized with air to prevent dust entering.
- 6) Automatic oil lubrication system for bearings and bevel gears with external air cooling unit for oil.
- 7) Bottom shell is protected with replaceable liners.
- 8) Drive to eccentric shaft is given through special spiral bevel gear to make it smooth and noise less.
- 9) All Puzzolana cone crushers are supplied with the hydraulic main shaft support control system. This helps the operator with instant adjustment of the crusher setting.
- 10) These crushers are designed for heavy duty and continuous operation. These are well suited for stationary and mobile applications.



#### AUTOMATIC TRAMP IRON RELEASE SYSTEM :

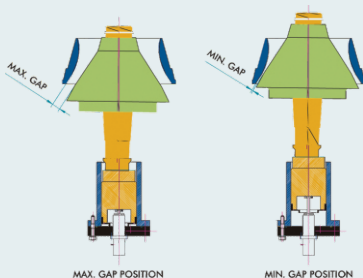
When uncrushable material enters into crushing zone, oil expelled from the cylinder, due to sudden increased pressure, enters to an accumulator which is gas charged. As the mantle lowers and allows the uncrushable material to pass, the pressurized gas in the accumulator returns the oil to the cylinder and hence the crusher to its original setting.

The hydraulic control system also allows clearing the crushing chamber from a stalled condition, under load due to power failure.



#### CRUSHER GAP SETTING ARRANGEMENT :

This arrangement is available as standard feature on all cone crushers. It adjusts the height of the main shaft through a hydraulic cylinder fitted to the crusher.





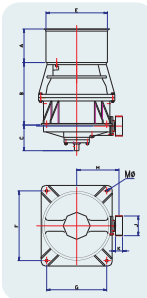
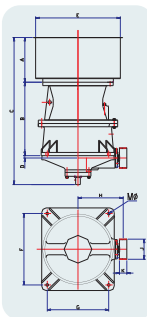
## G-TYPE CONE CRUSHER

Model No.	A	B	C	D	E	F	G	H	J	K	M
PGC 2072	650	1250	2240	50	1400	1270	1000	735	425	162	46
PGC 2582	750	1450	2565	50	1500	1375	1125	950	490	187	46
PGC 3392	1190	1645	3350	55	1900	1400	1400	1015	450	162	50
PGC 45120	1270	1993	4030	97	2100	1950	1650	1262	630	315	60

## H-TYPE CONE CRUSHER

Model No.	A	B	C	E	F	G	H	J	K	M
PCC 0672	645	1035	532	1150	1260	1000	735	425	162	∅ 46
PCC 1072										
PCC 1472										
PCC 0882	695	1220	597	1250	1375	1125	850	435	162	∅ 46
PCC 1182										
PCC 1582										
PCC 0992	770	1390	672	1400	1500	1240	970	475	162	∅ 46
PCC 1592										
PCC 1992										
PCC 11100	850	1685	692	1750	1560	1560	1143	475	162	∅ 46
PCC 16100										
PCC 22100										
PCC 11120	925	1785	717	1884	1950	1650	1185	650	238	∅ 60
PCC 16120										
PCC 25120										
PCC 28120										

**NOTE:** Dimensions are intended only as guide for preliminary planning of the installation and should not be used for the construction of foundations, etc.  
We reserve the right to change dimensions without notice.

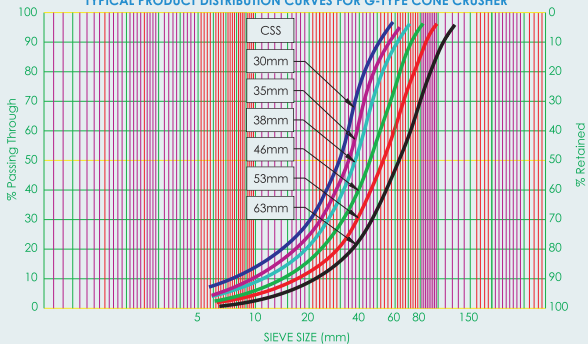




**G-TYPE CONE CRUSHER**

Model No.	Motor Power Rating in KW	Normal Feed Opening in mm	Throughput capacities in T.P.H. At closed side setting in mm						
			25	30	35	40	45	50	60
PGC 2072	55-75	200	80-100	90-120	100-150				
PGC 2582	75-90	250		100-160	105-180	120-200			
PGC 3392	132-160	330			170-280	180-315	200-360	215-300	
PGC 45120	185-200	450				250-400	300-480	350-550	380-520

**TYPICAL PRODUCT DISTRIBUTION CURVES FOR G-TYPE CONE CRUSHER**



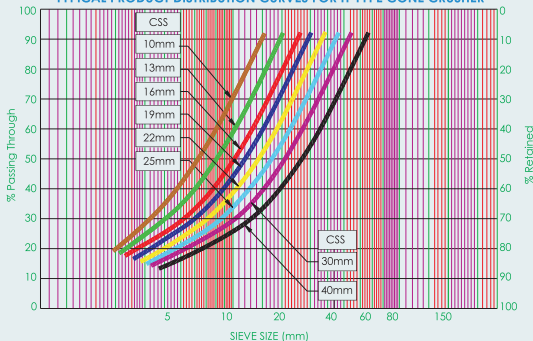
## H-TYPE CONE CRUSHER

Model No.	Motor Power Rating in KW	Crushing Chamber Type	Normal Feed Opening in mm	Throughput Capacities in T.P.H. At closed side setting in mm									
				10	13	16	19	22	25	32	38	42	
PCC 0672	55-75	FINE	60	30-40	35-45	40-50							
PCC 1072		MEDIUM	100		40-50	45-55	50-60						
PCC 1472		COARSE	140			50-60	55-65	60-75					
PCC 0882	75-110	FINE	80	50-65	55-70	60-75							
PCC 1182		MEDIUM	110		60-75	65-85	70-90						
PCC 1582		COARSE	150				75-110	85-115	90-120				
PCC 0992	90-160	FINE	90		65-95	80-110	90-120						
PCC 1592		MEDIUM	150			90-130	100-155	130-180	140-190				
PCC 1992		COARSE	190				125-155	135-185	145-190	150-220			
PCC 11100	110-160	FINE	110			100-150	120-170	150-180					
PCC 16100		MEDIUM	160				130-200	140-210	150-220				
PCC 22100		COARSE	220				140-210	150-220	170-230	180-260			
PCC 11120	160-220	FINE	110			150-180	170-205	205-230					
PCC 16120		MEDIUM	160				200-235	235-265	250-290				
PCC 25120		COARSE	250						280-300	320-350	340-370		
PCC 28120	220-250	EXTRA COARSE	280						295-325	345-380	360-395	385-420	

**NOTE:** The capacity figures indicated in the above charts are approximate and are based on continuous regular feed of stones of 1.6t/m<sup>3</sup>. Actual result may vary depending on feed, grading, rock type, moisture content etc.



**TYPICAL PRODUCT DISTRIBUTION CURVES FOR H-TYPE CONE CRUSHER**



CRUSHING | SCREENING | WASHING | CONVEYING



**PUZZOLANA**

An ISO 9001 - 2008 Company

**PUZZOLANA MACHINERY FABRICATORS**

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