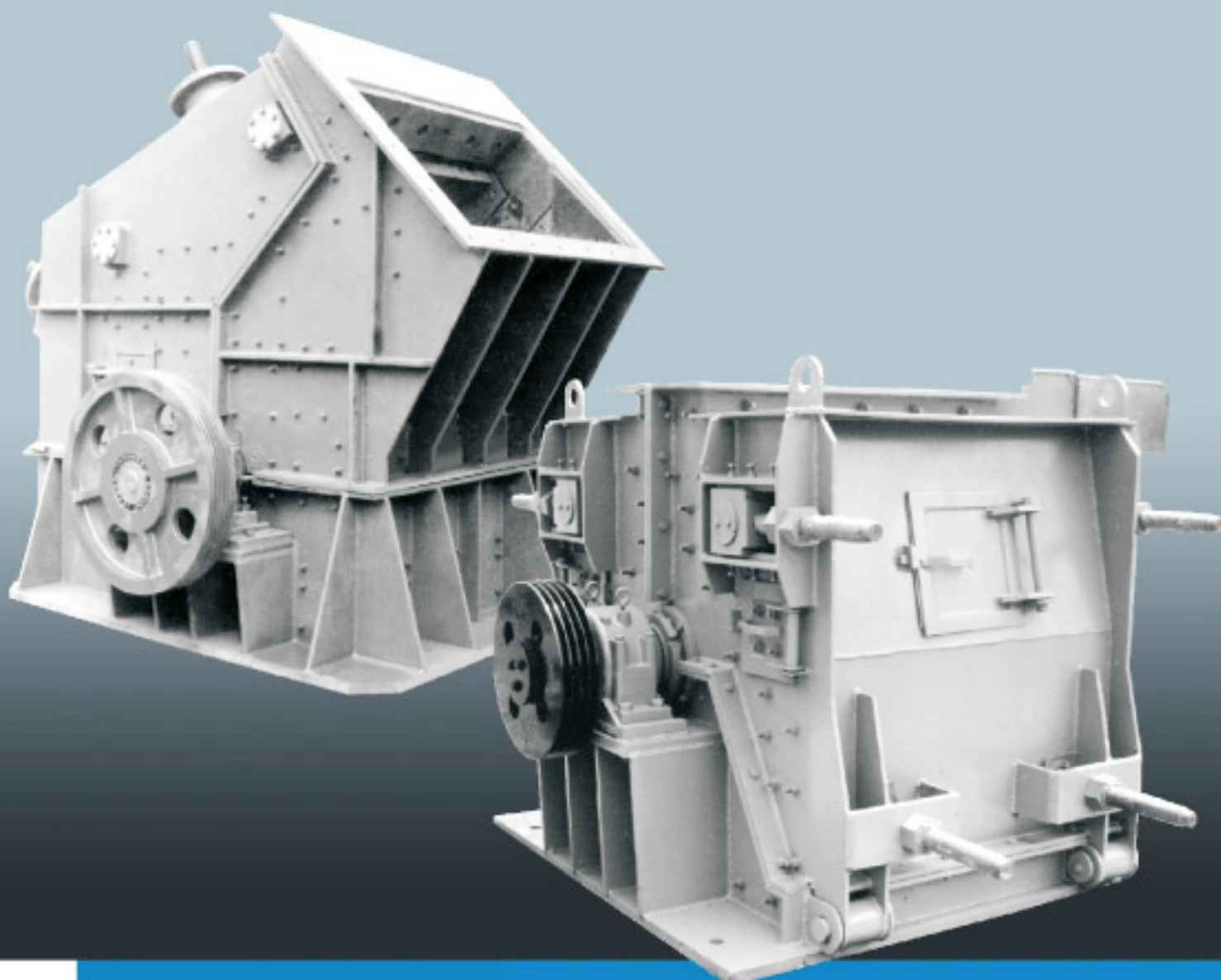




PUZZOLANA

MACHINERY FABRICATORS

Horizontal Shaft Impact Crusher

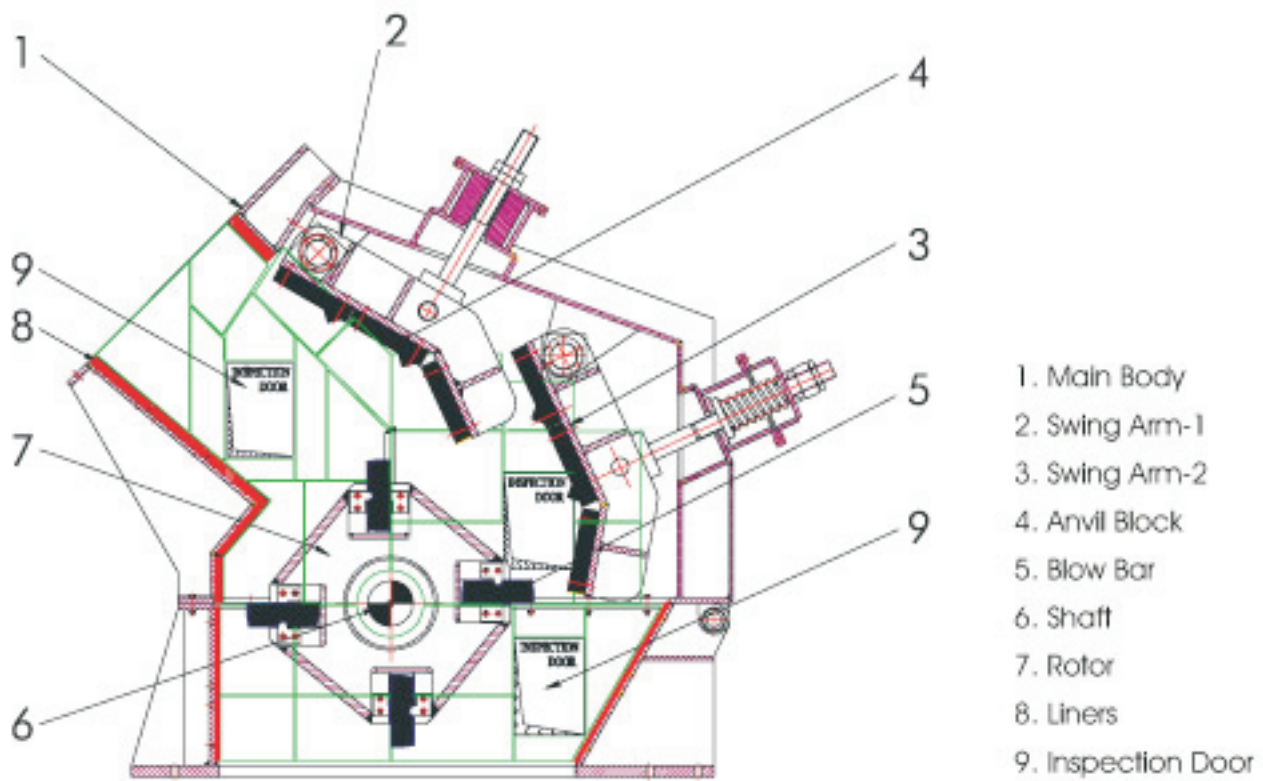


Impact Hammer Crusher

"Our Motto is Quality & Service"

"A Next Generation Manufacturer"

PUZZOLANA IMPACT HAMMER CRUSHER



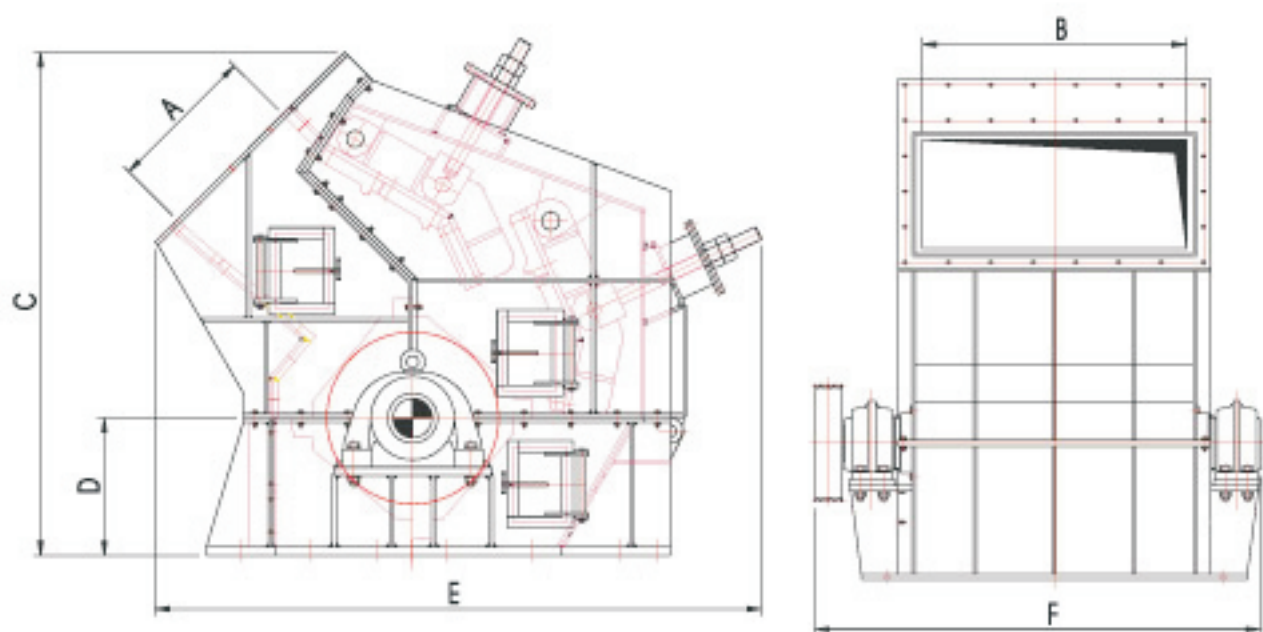
Free impact breaking is the principle of working of Impact Crushers. Crushing by impact instead of pressure has got its own advantages. Breaking by impact, typically eliminates the hidden cracks in the product and is very good for road building.

There are two types of crushers in this category, Impact Crushers and Hammer Crushers. The difference between the two is that breaker bars are rigidly fixed on the rotor of the Impact Crushers, but are swinging type in the Hammer Crushers.

PUZZOLANA'S Horizontal Shaft Impact Crushers are of rugged construction and best suited even for hard materials (like basalt and granite).

SPECIAL FEATURES OF PUZZOLANA IMPACT CRUSHERS:-

- 1) Extremely sturdy and all the parts are easily accessible for quick maintenance.
- 2) High utilization of Breaker bars. They can be quickly reversed or replaced.
- 3) Hinged doors are provided on each side to permit speedy inspection.
- 4) Rotor is of fabricated construction and stress relieved before machining. It is well balanced to minimize vibrations and to avoid uneven loads on the bearings.
- 5) The rotor is mounted on a large diameter shaft of high tensile steel, with heavy duty self aligning, double row roller bearings.

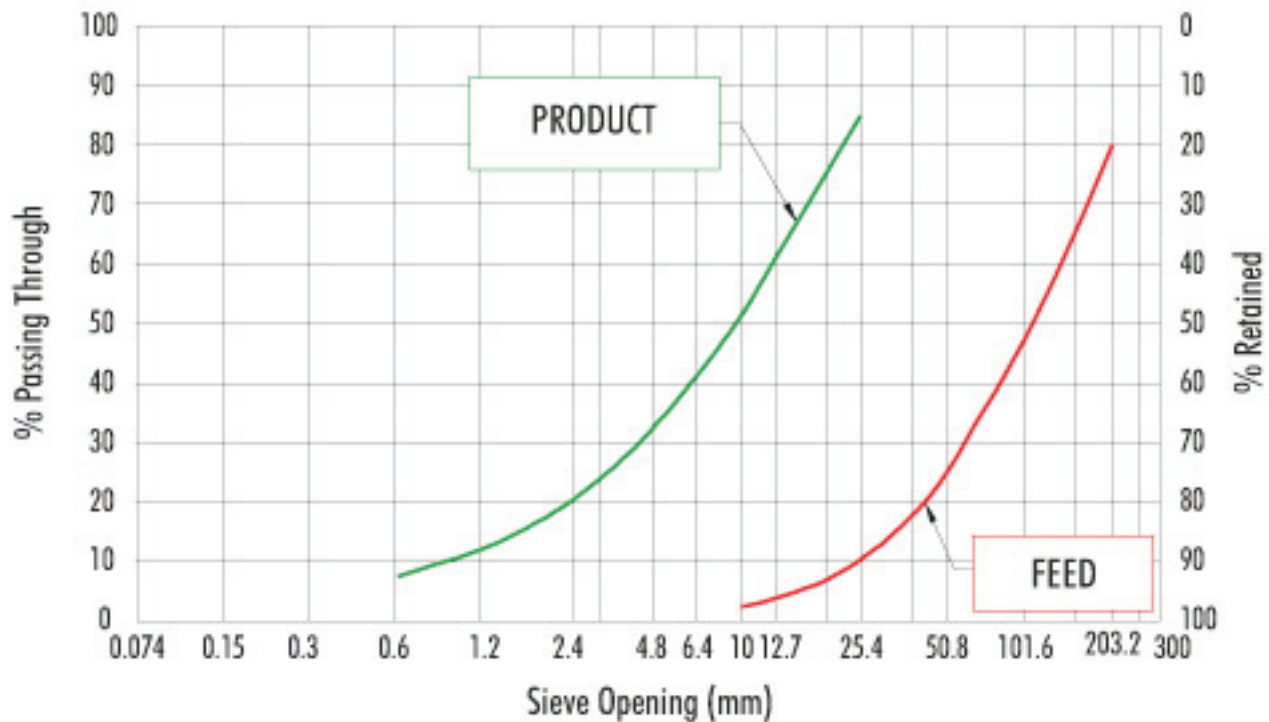


DIMENSIONAL CHART

Model No.	A	B	C	D	E	F
PHSI 08/09	600	900	1850	480	2140	1740
PHSI 10/10	700	1000	2140	625	2340	1850
PHSI 10/12	700	1200	2140	625	2340	2050
PHSI 12/12	800	1200	2400	700	2670	2150
PHSI 14/15	900	1500	2950	800	3500	2620
PHSI 16/16	1100	1600	3000	920	3400	2950
PHSI 18/18	1250	1800	3300	1020	3800	3300
PHSI 20/20	1400	2000	3600	1120	4000	3650
PHSI 22/22	1600	2200	3900	1250	4400	3900

Note : Dimensions are intended only as a guide for preliminary planning of the lay-out and should not be used for the construction of foundations, etc.

TYPICAL PRODUCT GRADATION FOR MEDIUM HARD LIME STONE



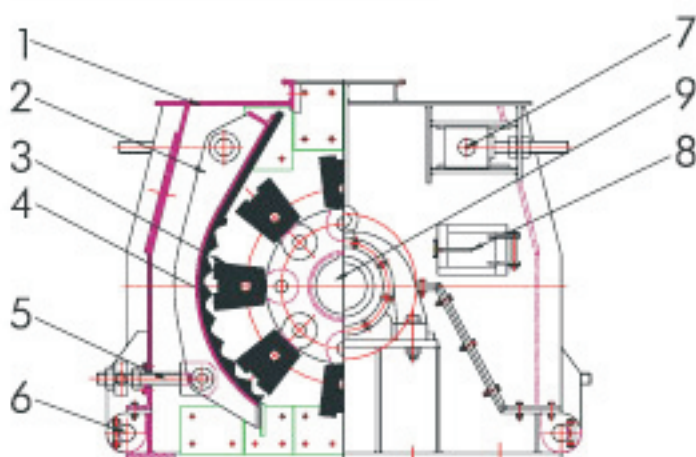
Note : The percentages shown in the above charts are approximate and are based on continuous, regular feed of stones of 1.6t/cu-m. Actual results may vary depending on feed grading, rock type, moisture content etc.

CAPACITY CHART

Model No.	Rotor dia in mm	Rotor width in mm	Capacity in t/h (Min/Max)	Power in KW
PHSI 08/09	800	900	65-125	55-110
PHSI 10/10	1000	1000	80-150	75-130
PHSI 10/12	1000	1200	120-200	110-200
PHSI 12/12	1200	1200	140-250	132-200
PHSI 14/15	1400	1500	200-500	160-220
PHSI 16/16	1600	1600	350-580	220-300
PHSI 18/18	1800	1800	480-720	300-500
PHSI 20/20	2000	2000	720-990	500-750
PHSI 22/22	2200	2200	900-1200	750-1100

Note : Capacity figures are indicative for materials of 1.6 t/cu-m. Actual figures vary depending on feed grading, rock type, moisture content etc.

IMPACT HAMMER CRUSHER



1. Main Body
2. Swing Arm
3. Hammer
4. Anvil Block
5. Gap Adjustment Screw
6. Hinge
7. Swing Arm Hinge
8. Inspection Door
9. Rotor Shaft

Puzzolana Hammer Crushers are best suited for Lime stone, Ore with low iron contents, gypsum and similar materials. They are proven design and offer the following advantages.

- 1) Increased out put capacity.
- 2) Reliable performance.
- 3) Un-effected by foreign particles.
- 4) Less maintenance cost.

OPERATING PRINCIPLE:-

The feed material is crushed by rotating beaters with renewable heads by impact against stationary anvils. By reversing the rotor the crushing edges of the hammer heads can be completely used without reversing the hammers.

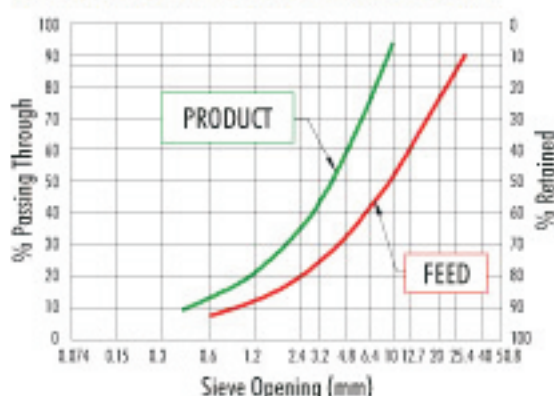
Feeding of the material is from the center and open discharge. A grate can be fitted if necessary to obtain necessary product.

A number of hammer heads are arranged around the circumference of the rotor, and the number of rows lying one after the other is determined according to the duty requirements.

The final product analysis of the crushed material can be altered by adjusting the distance between rotating hammer heads and anvils. This adjustment can be done while the machine is running by carefully regulating screws (Hydraulic adjustment optional).

Opening of the casing is manual or by hydraulic cylinder (optional) for easy access to parts.

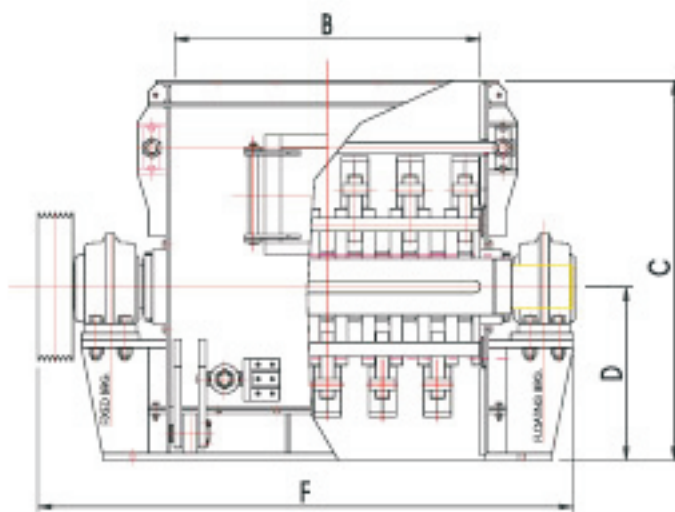
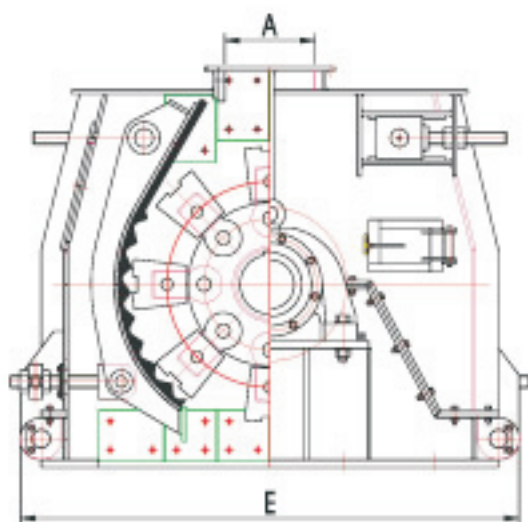
TYPICAL PRODUCT GRADATION OF MEDIUM HARD LIME STONE



CAPACITY CHART

Model No.	Rotor dia in mm	Rotor width in mm	Capacities (Min/Max)	Power in KW
PIH 1010	1000	1000	75-120	55-75
PIH 1212	1200	1200	100-160	75-132
PIH 1414	1400	1400	140-250	110-160
PIH 1616	1600	1600	190-380	132-320
PIH 1818	1800	1800	220-430	160-350
PIH 2020	2000	2000	320-640	220-400
PIH 2525	2500	2500	600-1200	550-1000
PIH 2630	2600	3000	1400-2000	1200-1800

Note : The above curves are an approximate guide only. Capacity figures are indicative for materials of 1.6 t/cu-m bulk density. Actual figures may vary depending on feed grading, rock type, moisture content etc.



DIMENSIONAL CHART

Model No.	A	B	C	D	E	F
PIH 1010	350	1000	1500	700	2000	1550
PIH 1212	400	1200	1750	800	2300	2200
PIH 1414	400	1400	2000	925	2700	2500
PIH 1616	550	1600	2150	1000	2800	2900
PIH 1818	650	1800	2500	1200	3200	3600
PIH 2020	750	2000	3000	1450	3450	3850
PIH 2525	850	2500	3500	1600	3950	5000
PIH 2630	1000	3000	4000	1700	4150	5400

Note : Dimensions are intended only as a guide for preliminary planning of the lay-out and should not be used for the construction of foundations, etc.

PUZZOLANA MACHINERY FABRICATORS

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