SINGH

ISO 9001 : 2000





HORIZONTAL SHAFT IMPACT CRUSHER

- **Performance With Profitability :**

The combination of an extra heavy duty rotor, superior grade wear material & optimized crushing chamber design is what makes **SINGH** Horizontal shaft Impact crushers superior. This combination has proven its worth and has been revolutionary in increasing capacity, product quality but not at the expense of operating costs. With a wide choice of rotor designs, wear materials of the blow-bars & curtain liners, your profitability will reach new heights.
The specially designed Blow-bars fixing mechanism has offered great hammer reliability. Special care has been taken whilst designing to minimize maintenance and make the adjustments easy, trouble-free and long- lasting. When crushing performances is the requirement, Trust the **SINGH** Horizontal Shaft Impactors to do the job!

- **Quality:**

Many years of experience has gone into the **SINGH** Horizontal shaft Impactors. The benefits of latest wear material technologies along-with extensive research on the optimum crushing chamber design are embodied, making the **SINGH** H.S.I. your profit partner!

5064 S

5048 S

4242 T

4242 S

4230 S

3036 T

3036 S



4242 H.S.I doing it's duty at a 200 T.P.H plant situated at Pune, India



Two units of 5048 H.S.I. Ready to be shipped to Africa at a 500 T.P.H. Project.

Benefits

- **High Capacity:**

The current and future operating conditions are getting increasingly stringent, and the answer is **SINGH** Horizontal shaft Impactor. The best performance from a Horizontal shaft can be achieved only with the right and optimized machine layout, a perfectly designed crushing chamber, specific rotors and liners. This proper combination can multiply your profitability many fold. The scientifically designed **SINGH** horizontal Impactors reduce your crushing stages due to their high performance, which not only saves your capital cost but has a lowering effect on energy charges.

- **High Quality:**

There has never been one thing in the **SINGH** range and that is quality trade-off. The entire range of **SINGH** Horizontal shaft Impactors is manufactured under the most stringent quality standards world-wide. Special care is taken to ensure maximum participation of the engineers at every possible step of manufacturing. Permanent collaboration with the leading casting suppliers has made it possible to offer state of the art technical innovations in the wear materials.

- **An Impactor For Every Application:**

No one size fits all!

SINGH horizontal shaft Impactors come in a wide range of designs to suit your requirement. There is a choice of rotor configurations, Blow-bar material, Curtain liner material and even a choice of World class HARDOX® body liners.

● Most Secure Blow Bar Locking Mechanism :

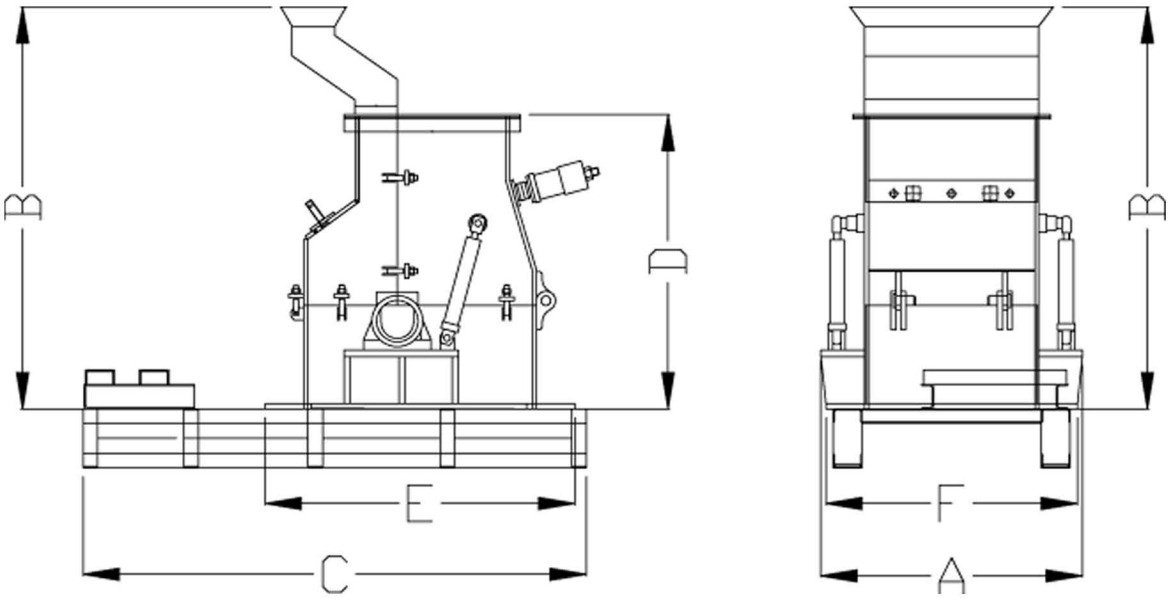
Over and above different grades of wear material for the blow bar, **SINGH** Horizontal Shaft Impactors are characterized by their unique and fail proof blow bar locking mechanism. The mechanism is auto - tightening wedge arrangement which ensures that the blow bar never loosens. The wedge mechanism eliminates any gap between the blow bar and the rotor. This reduces the risk of breakage of blow bars and makes it possible to push the use of high chrome blow bars to never before achieved limits.

● Ease Of Maintenance :

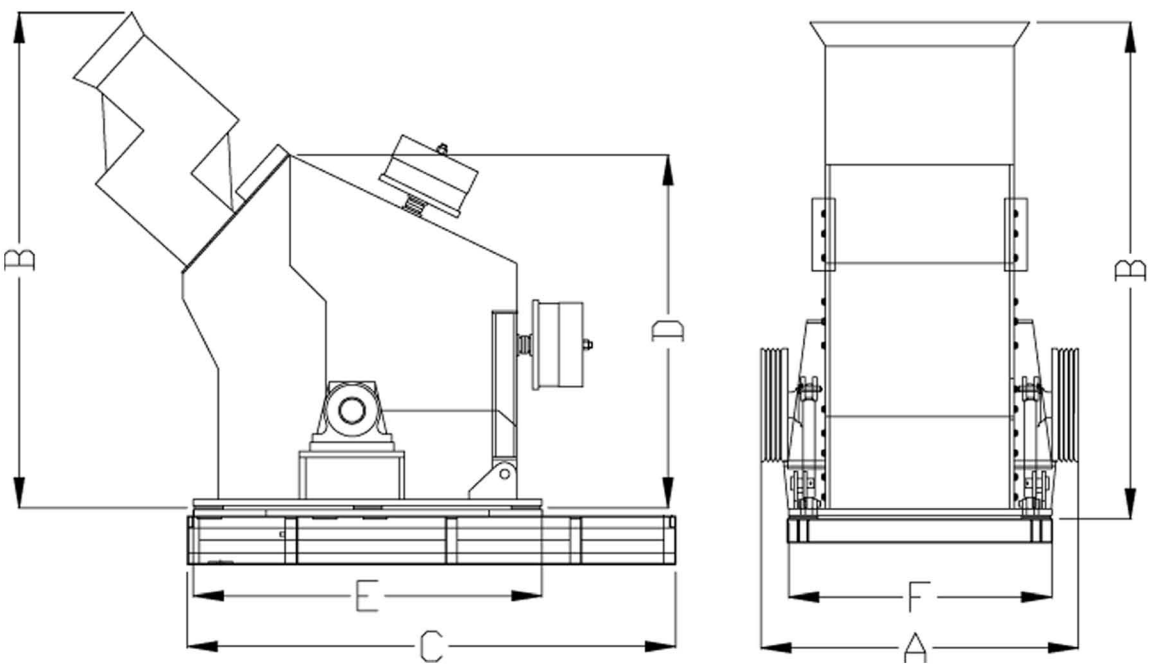
A hydraulic unit is used for opening the frame. The same unit can be configured to adjust the curtains. Protected windows are available at various places to provide easy access to the interior of the crusher. The blow bars can be replaced either horizontally or vertically, thereby facilitating various mounting configurations. Special attention has been paid to the degree of modularity of the wear parts. You can therefore inter-change the liners at different positions in the machine as some areas wear at a faster rate. This also enables you to reduce the spare part inventory as most liners are the same. Special inter - locks can be provided to ensure that the machine does not operate during any maintenance course.

SPECIFICATIONS	5064	5048	4242 T	4242 S	4230 S	3036 T	3036 S
Maximum Feed Opening	43 1/4" X 64 3/4" 1099mm X 1645mm	43 1/4" X 48 3/4" 1099mm X 1238mm	8" X 40" 203mm X 1016mm	17" X 42" 450mm X 1066mm	19.6" X 37.4" 500mm X 950mm	8.6" X 38" 220mm X 965mm	11" X 38" 300mm X 965mm
Discharge Opening	65" X 64" 1660mm X 1645mm	65" X 48" 1660mm X 1230mm	40" X 60" 1016mm X 1524mm	46" X 58" 1186mm X 1492mm	10.2" X 13.7" 260mm X 350mm	35" X 47" 900mm X 1200mm	38" X 35" 970mm X 907 mm
Maximum Feed Size	12" - 22" 304mm - 558mm	12" - 22" 304mm - 560mm	5" 125mm	8" - 10" 203mm - 254mm	8" 203mm	3" 76mm	5" 127mm
Capacity	250 - 400	150 - 300	70 - 150	80 - 150	75 - 120	40 - 70	40 - 70
Power	300 ~ 400 (224 - 298 Kw)	250 ~ 300 (186 - 226 Kw)	150 ~ 200 (111 - 149 Kw)	125 ~ 150 (93 - 111 Kw)	75 ~ 100 (56 - 74 Kw)	50 ~ 60 (37 - 44 Kw)	50 ~ 60 (37 - 44 Kw)
Apprximate Weight	18500 Kg	15500 Kg	8500 Kg	14000 Kg	9000 Kg	5000 Kg	6000 Kg

4242 T, 3036 T



5064, 5048, 4242 S, 4230, 3036 S



- **Dimension Chart:**

SIZE	A	B	C	D	E	F
HSI-5064	3078	3665	3791	2810	2710	2207
HSI-5048	2779	3498	3791	2640	2625	1994
HSI-4242 T	2030	1920	4230	1640	1800	1900
HSI-4242 S	2238	2955	3800	2123	2200	1662
HSI-4230 S	2008	2718	3800	1979	2200	1422
HSI-3036 T	1751	2323	2800	1435	1694	1400
HSI-3036 S	2254	2076	2600	1520	1600	1300

All Dimensions Are In mm.

UP TO 400 TPH

* Please use values for reference only. Due to the company's policy of continual improvement, Values are subject to change without notice.
The company shall provide with certified installation drawings on request. The output figures also depend on many factors.

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