

PRIMARY HC SERIES

# JAW CRUSHER

TOUGH CRUSHING SMOOTH OPERATING

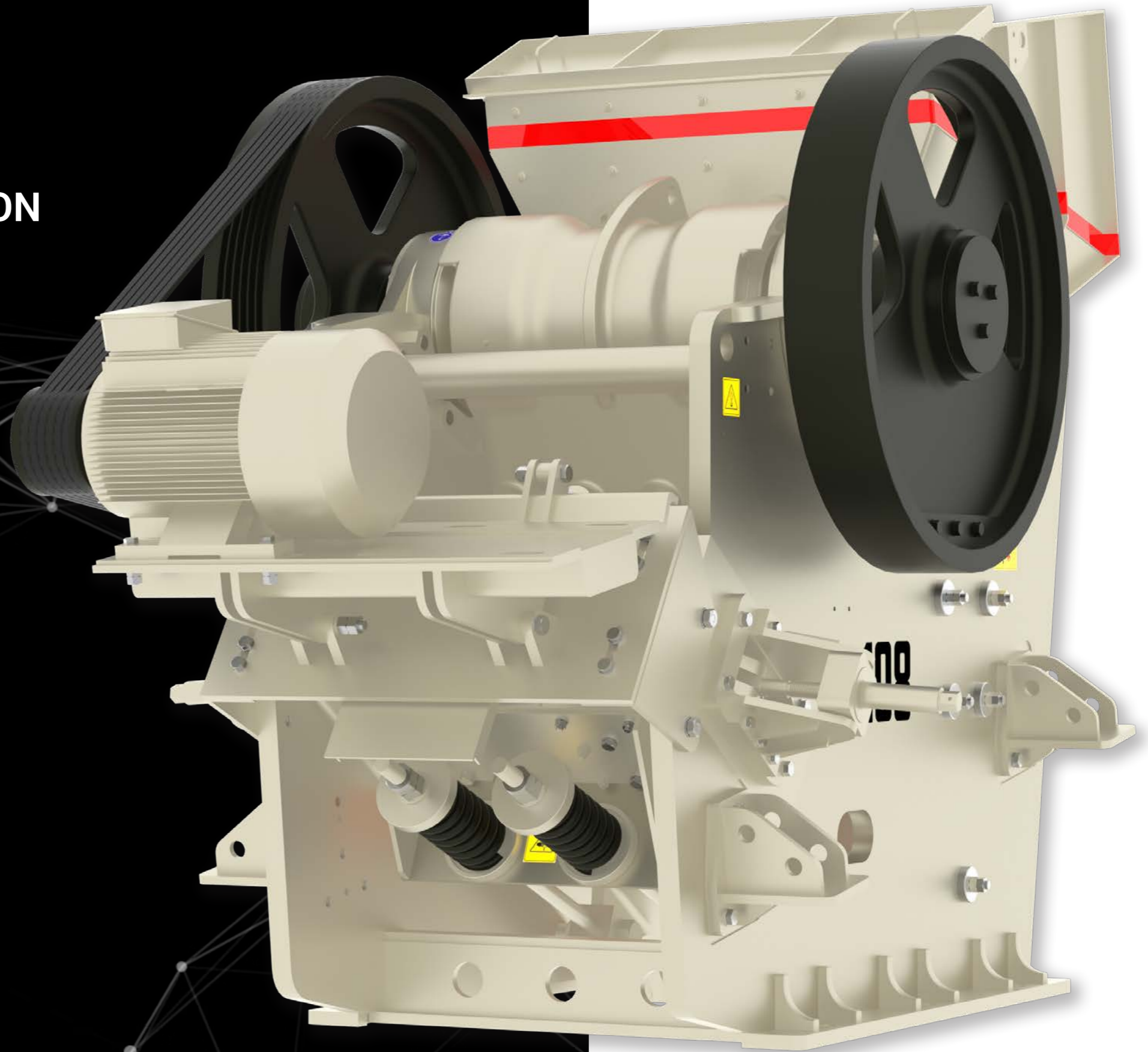
MORE THAN  
**1500**  
JAW CRUSHERS IN OPERATION

**SONIKH HC SERIES**  
*JAW CRUSHERS*

Sonikh Jaw Crushers are engineered for high performance in the toughest environments & designed to optimize primary crushing applications.

Our advanced jaw crusher design, combined with premium material specifications, delivers an ideal crushing solution for customers. With extensive experience in the crushing industry and expertise in metrology, we ensure the highest manufacturing standards for our machines.

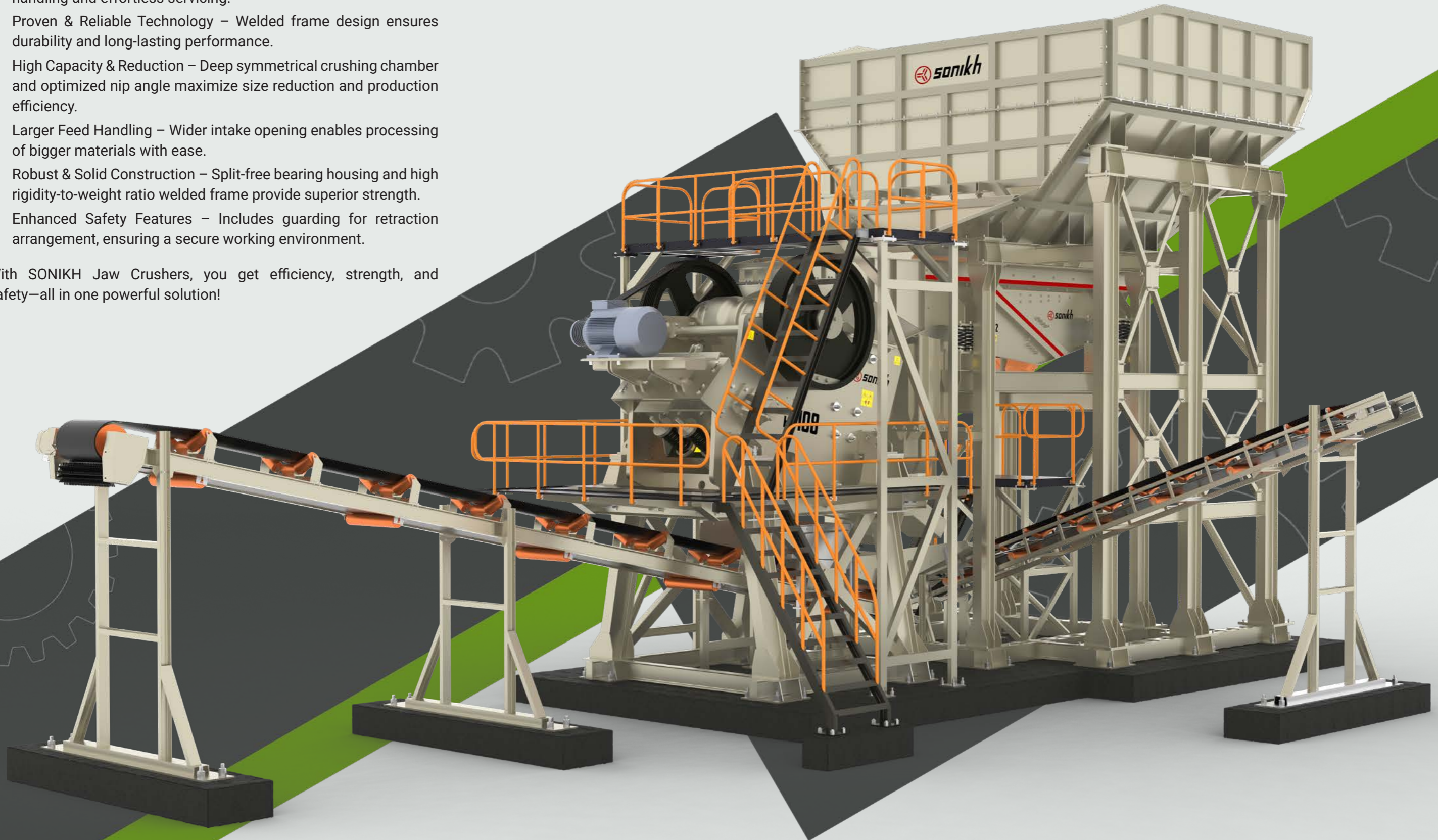
The SONIKH HC Series Jaw Crusher was developed to meet the growing demand for efficient and cost-effective crushing of tough feed materials, such as quarry rocks and hard mineral lumps, in both quarrying and mining industries .



## ADVANTAGES OF SONIKH JAW CRUSHERS

- Safe & Easy Operation & Maintenance – Designed for user-friendly handling and effortless servicing.
- Proven & Reliable Technology – Welded frame design ensures durability and long-lasting performance.
- High Capacity & Reduction – Deep symmetrical crushing chamber and optimized nip angle maximize size reduction and production efficiency.
- Larger Feed Handling – Wider intake opening enables processing of bigger materials with ease.
- Robust & Solid Construction – Split-free bearing housing and high rigidity-to-weight ratio welded frame provide superior strength.
- Enhanced Safety Features – Includes guarding for retraction arrangement, ensuring a secure working environment.

With SONIKH Jaw Crushers, you get efficiency, strength, and safety—all in one powerful solution!



SAFE  
TO OPERATE



DURABLE  
& RIGID DESIGN



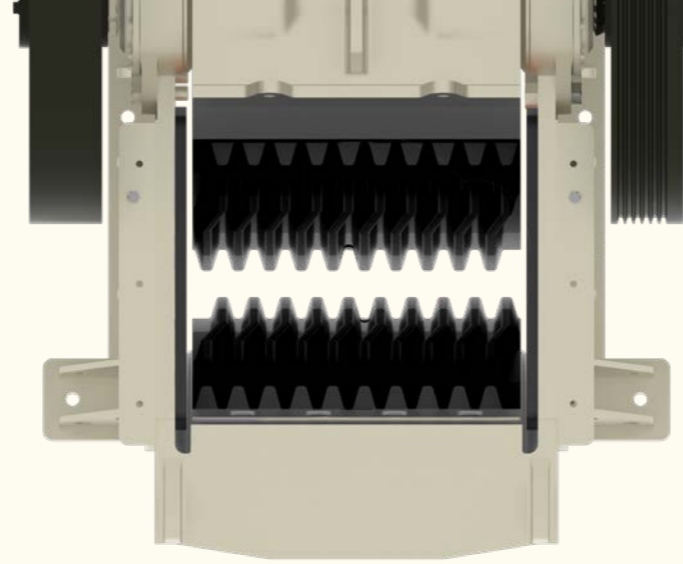
Excellent  
PRODUCT QUALITY



EFFICIENT  
AND RELIABLE

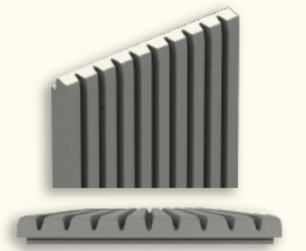
## OUTSTANDING MATERIAL HANDLING CAPACITY

The Sonikh HC Series jaw crushers offer exceptional material intake due to their optimally proportioned feed opening, with an ideal width-to-depth ratio. This design prevents time-consuming bridging and allows rocks to flow smoothly into the crushing chamber. The HC Series is capable of processing very coarse materials, minimizing the need for additional blasting or hammering. An optional feed chute is also available, ensuring continuous material flow from the feeder directly into the crusher cavity.

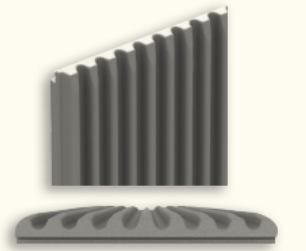


## JAW PLATES FOR ALL TYPES OF FEED

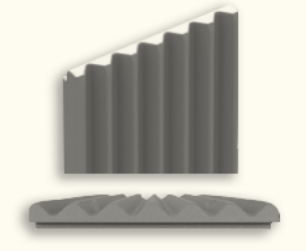
Sonikh Offers the wide range of manganese jaw plates options can be mixed and reversed to ensure optimal, versatile crushing. Our jaw plate profiles and thicknesses precisely suit various applications, such as quarrying, mining, aggregate production. Each application benefits from optimized tooth spacing, profile design, jaw thickness, and material selection to deliver dependable and long-lasting performance. Sonikh jaw plate fixing components are highly durable and designed for quick replacement, helping to further reduce wear part-related expenses. Additionally, we offers custom jaw designs for specialized uses, along with optional special cheek plates."



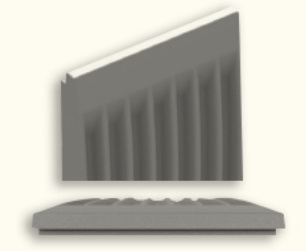
**FLAT TOOTH**  
Broad tooth profile maximizes liner life



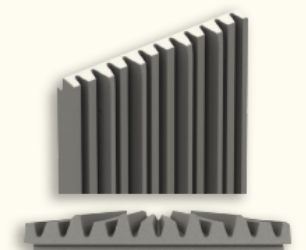
**CORRUGATED**  
Moderate tooth spacing good for all purpose applications



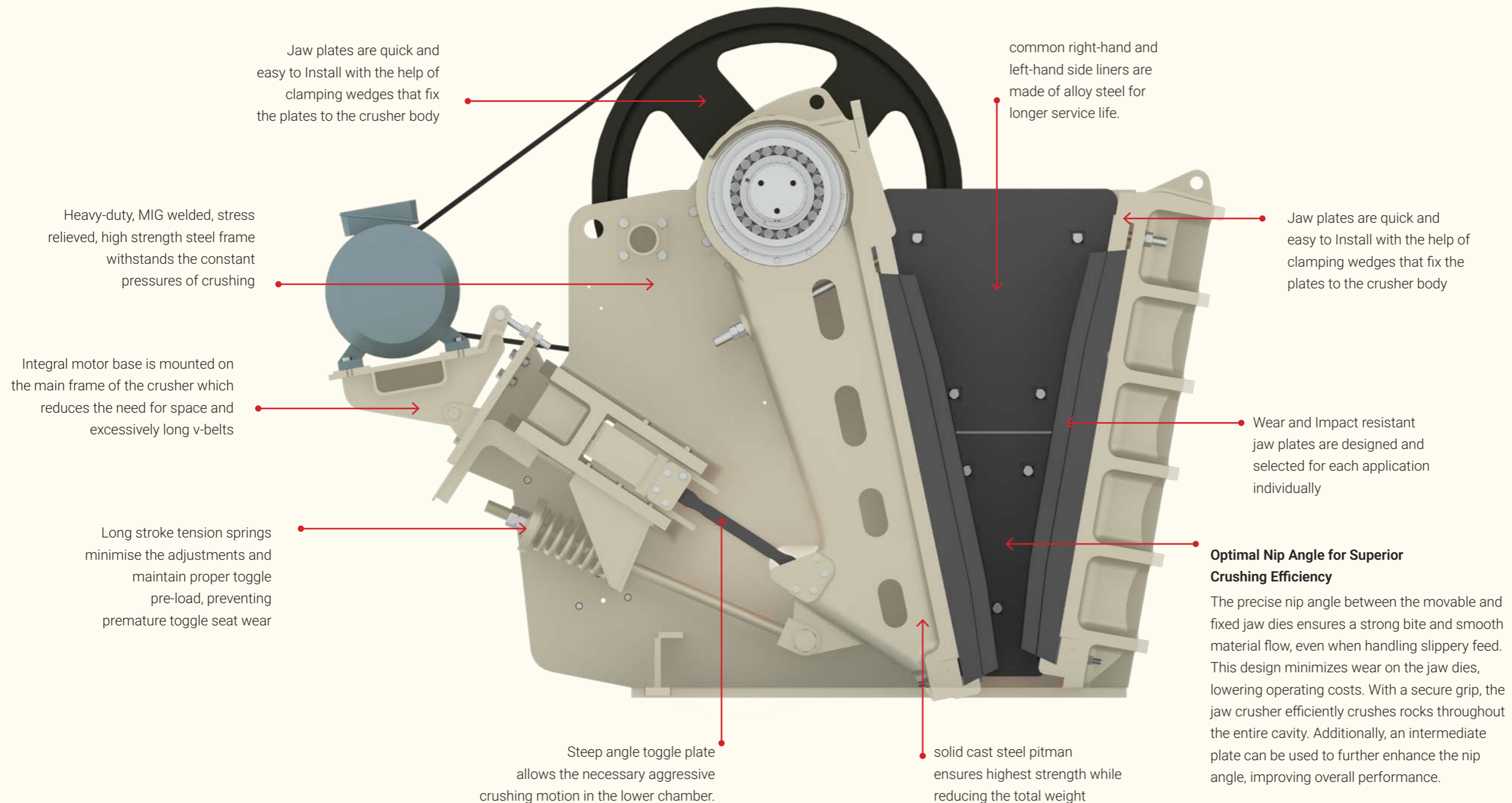
**SHARP TOOTH**  
Moderate tooth spacing good for all purpose applications with slightly less wear life



**BELLIED - FILLED**  
Helps maintain a high position of crushing- Filled ends provide maximum liner life



**ANTI - SLAB**  
Uneven height generates less "slabby" product



# BENEFITS OF CHOOSING SONIKH JAW CRUSHERS

"Engineered for superior performance in demanding conditions, Sonikh jaw crushers are designed to maximize efficiency in primary crushing tasks. They come with a ready-to-use plug-and-play setup for quick installation and commissioning, along with a Reliability and Protection package to enhance operational uptime."

## SONIKH – POWERING YOUR CRUSHING NEEDS WITH EFFICIENCY & RELIABILITY!



### Complete Jaw Crushing Solution

SONIKH HC Series Jaw Crushers are built to deliver unmatched performance and reliability in primary crushing operations. Each unit comes fully equipped with a feed hopper, V-belt guard with motor bracket. The versatile, reversible jaw plates offer extended wear life and adaptability, ensuring powerful, efficient, and trouble-free crushing every time.

### Easy to Set Up & Install

When you choose Sonikh, you partner with a trusted supplier offering equipment, parts, and service close to your operations.

- Fast & Hassle-Free Setup – Get up and running in no time
- Flexible Solutions – Choose a complete crusher setup or customize it to fit your needs
- Maximized Efficiency – Reduce downtime, lower costs, and boost profitability
- With Sonikh, you get seamless installation and unmatched support, ensuring your operations run smoothly from day one!

### Putting Safety First

At SONIKH, your safety is our top priority. That's why we use premium-quality materials and components in our equipment, ensuring durability and reliability.

#### Built-In Safety Features:

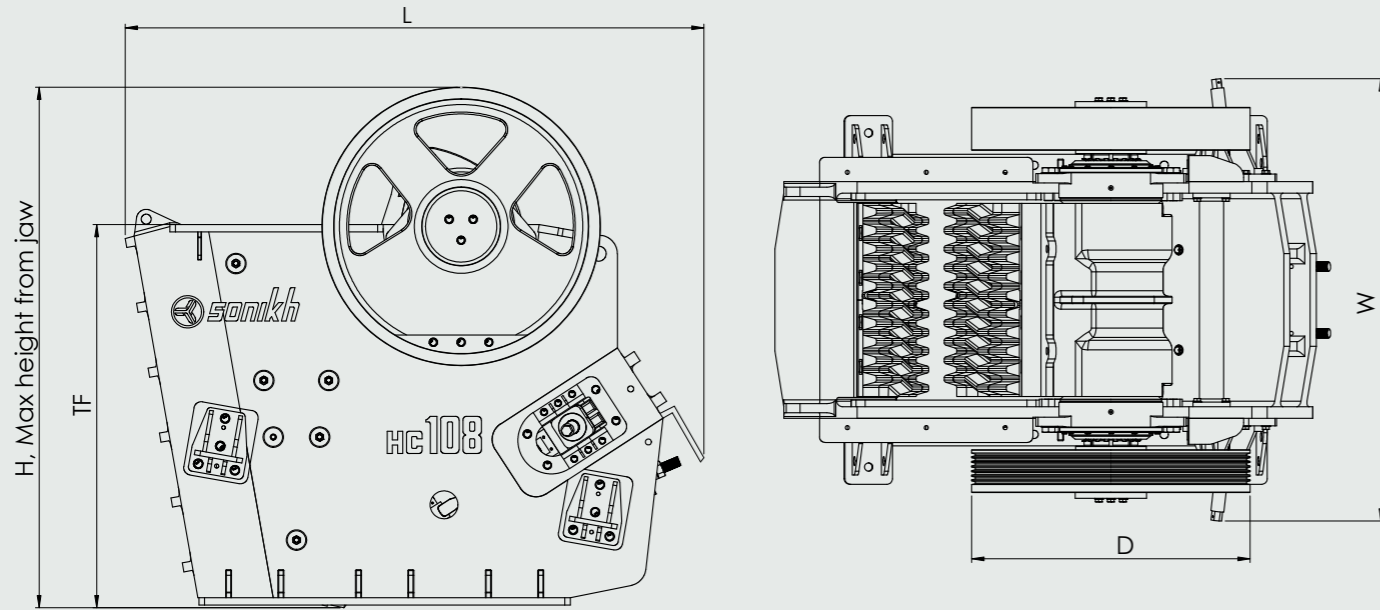
- Lifting Tools – Enabling safe and easy maintenance
- Unique Guarding Retraction – Protecting operators during operation
- Modular Service Platform – Providing a secure workspace for maintenance in the crushing chamber  
With SONIKH Jaw Crushers, you get uncompromised safety, efficiency, and peace of mind on every job!

### OPTIMIZED DESIGN FOR LOWER OPERATIONAL AND WEAR COSTS

sonikh provides a diverse range of manganese jaw die profiles and thicknesses, ensuring the ideal fit for applications such as quarrying, mining, aggregates, and the recycling of demolition materials and asphalt. Each jaw die is engineered with optimal tooth spacing, profile, thickness, and alloy composition to deliver reliable, long-lasting performance.

Sonikh's jaw die fixing components are built for durability and can be quickly replaced, further reducing maintenance and wear-related costs. Additionally, custom jaws are available for specialized applications, along with optional special cheek plates for enhanced performance.

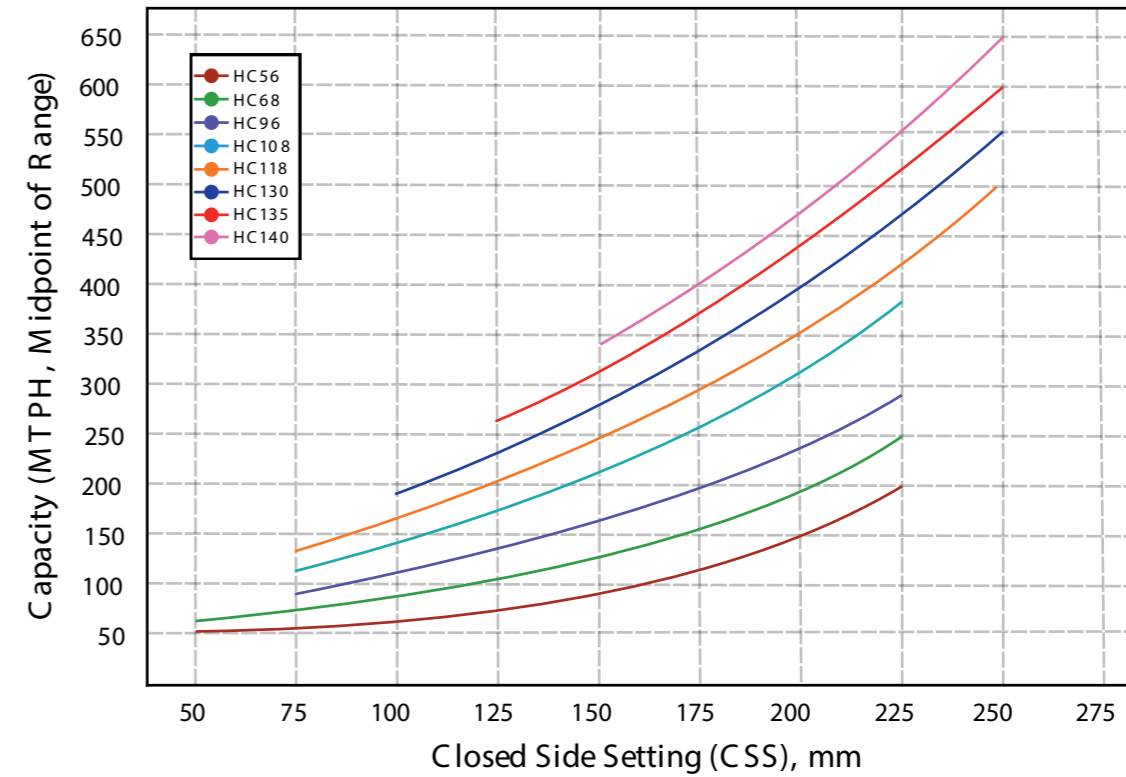
## HC SERIES JAW CRUSHER



### GENERAL DIMENSIONS

| MODEL                      | UNIT | HC56      | HC68      | HC96      | HC108      | HC118      | HC130      | HC135       | HC140       |
|----------------------------|------|-----------|-----------|-----------|------------|------------|------------|-------------|-------------|
| H Max, Max height from jaw | MM   | 1685      | 1900      | 2610      | 2810       | 2900       | 3110       | 3300        | 3900        |
| TF Overall feed height     | MM   | 1030      | 1600      | 1910      | 2050       | 2150       | 2360       | 2420        | 2670        |
| L. Max Length              | MM   | 2175      | 2350      | 2750      | 3000       | 3060       | 3150       | 3300        | 3540        |
| W, Max Width               | MM   | 2010      | 2150      | 2185      | 2510       | 2580       | 2650       | 2650        | 2810        |
| D. Flywheel diameter       | MM   | 1100      | 1200      | 1400      | 1500       | 1500       | 1600       | 1800        | 1800        |
| Crushers speed             | RPM  | 290       | 290       | 260       | 240        | 240        | 220        | 220         | 220         |
| Motor Power                | HP   | 60        | 75        | 120       | 150        | 180        | 200        | 215         | 240         |
|                            | KW   | 45        | 55        | 90        | 110        | 130        | 150        | 160         | 180         |
| Total Weight               | TON  | 11.6      | 17.2      | 19.5      | 24         | 26.8       | 33         | 36.5        | 45          |
| <b>OPERATING LIMITS</b>    |      |           |           |           |            |            |            |             |             |
| Feed Opening               | MM   | 762 X 508 | 812 X 609 | 914 X 711 | 1066 X 762 | 1117 X 812 | 1219 X 914 | 1219 X 1066 | 1371 X 1219 |
|                            | INCH | 30x20     | 32x24     | 36x28     | 42x30      | 44x32      | 48x36      | 48x42       | 54x48       |
| CSS Min-Max                | MM   | 62-180    | 75-200    | 100-220   | 100-250    | 125-250    | 125-250    | 125-300     | 150-300     |
|                            | INCH | 3-7       | 3-8       | 4-9       | 4-10       | 5-10       | 5-10       | 5-12        | 6-12        |

## JAW CRUSHER PRODUCT GRADATIONS



**PERFORMANCE CURVES :** These curves are for guidance only, as crusher output varies with feed material properties. For medium-hard material, about 75% of the product is typically finer than the Closed Side Setting (CSS), though this may change depending on material characteristics.

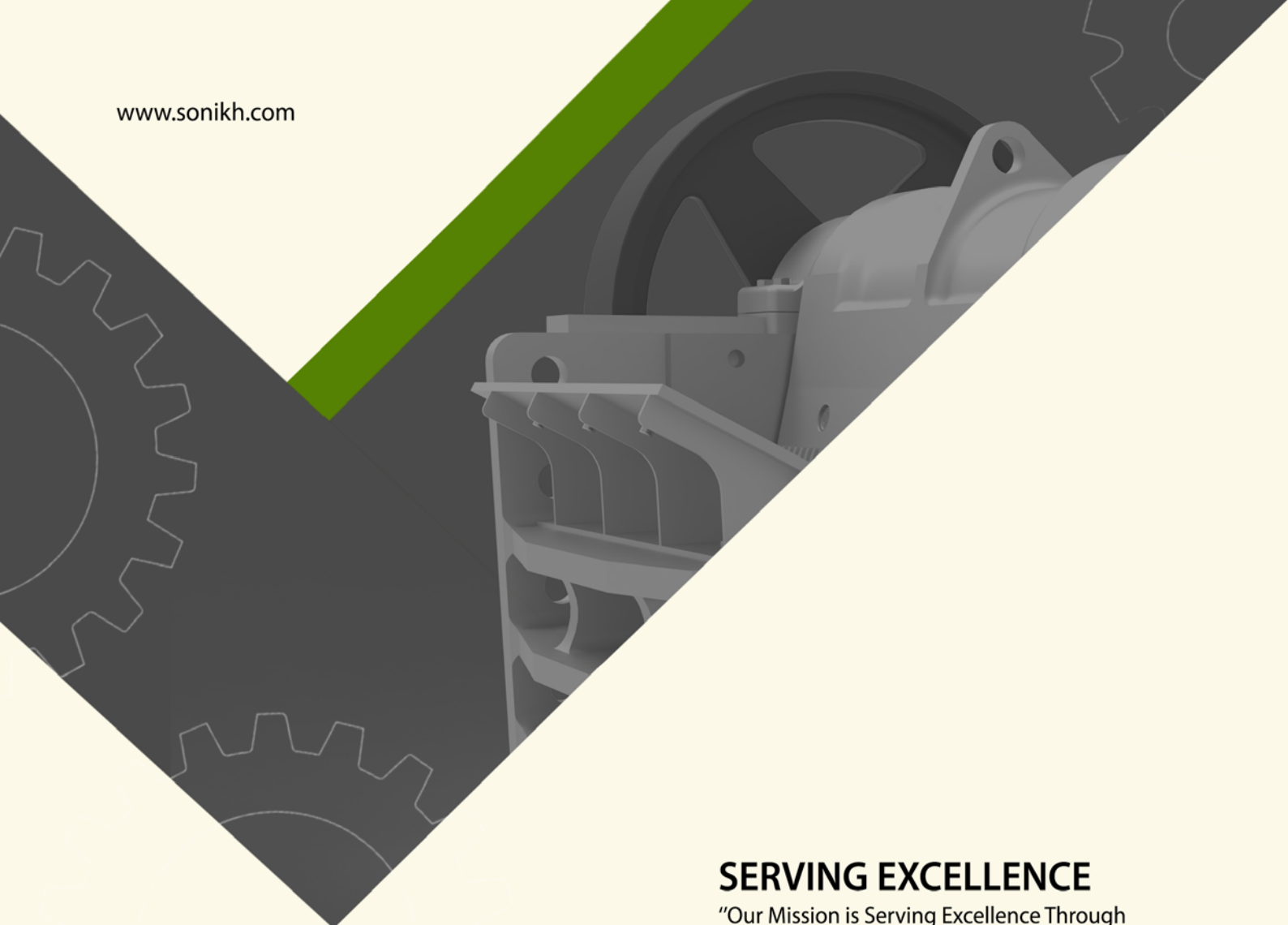
### TECHNICAL SPECIFICATION

| MODEL | UNITS | (CSS) CRUSHER CLOSED SIDE SETTING |         |         |         |         |         |         |         |         |
|-------|-------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
|       |       | 50mm                              | 75mm    | 100mm   | 125mm   | 150mm   | 175mm   | 200mm   | 225mm   | 250mm   |
| HC56  | mtph  | 50-70                             | 60-80   | 75-90   | 80-120  | 100-130 | 110-140 | 130-180 | 150-200 | -       |
| HC68  | mtph  | 60-80                             | 70-100  | 80-120  | 100-140 | 120-150 | 140-200 | 160-220 | 180-250 | -       |
| HC96  | mtph  | -                                 | 80-120  | 100-150 | 120-170 | 150-220 | 170-225 | 200-250 | 220-280 | -       |
| HC108 | mtph  | -                                 | 110-150 | 140-180 | 220-280 | 240-300 | 280-340 | 300-360 | 320-380 | -       |
| HC118 | mtph  | -                                 | 120-180 | 150-200 | 200-260 | 260-320 | 300-360 | 320-380 | 400-450 | 420-500 |
| HC130 | mtph  | -                                 | -       | 180-220 | 250-300 | 300-360 | 320-380 | 360-400 | 420-480 | 500-550 |
| HC135 | mtph  | -                                 | -       | -       | 260-320 | 300-380 | 340-420 | 420-480 | 450-520 | 480-600 |
| HC140 | mtph  | -                                 | -       | -       | -       | 340-400 | 360-440 | 440-480 | 500-600 | 550-650 |

**NOTE**

- Capacity figures indicated in the chart are approximate and are based on bulk density of 100 lbs/cft. or 1600 kg per Cu.M. with following assumptions.
  - Continuous regulated feed.
  - Maximum lump size does not exceed 80% of the size of mouth opening. With standard jaw plates. Actual capacities will depend on the Crushing characteristics of the material. Capacities indicated are the medium hard materials. While crushing harder materials capacity figures are likely to change.
- For achieving cubical product from the crusher usage of separate jaw plates are recommended. While using serrated jaw plates capacity figures will be reduced.
- All current models are provided with grease lubricated.
- The table indicates standard Models only. Special Size of jaw crushers can be offered against specific requirement on demand.

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## SERVING EXCELLENCE

"Our Mission is Serving Excellence Through Innovation and Dedication to our Customers."



Certified Manufacturing Company

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### SALES / PARTS / SERVICE



Product features and specifications are subject to change without prior notice or obligation. Due to continuous product development, we reserve the right to change the specifications without notice. Photographs and drawings are provided for illustrative purposes only and may vary from the standard product. Sonikh's liability shall be limited to the equipment.