FULLER®

STRIKE-BAR™ CRUSHER

RELIABLE CRUSHING. LOW COST OF MAINTENANCE.

BASED ON PROVEN TECHNOLOGY

Fuller Technologies is the market-leading supplier of engineering, equipment and service solutions to the cement industry. Over the last 50 years, more than 200 of our crushers have been put into operation in the cement industry. We cover the full array of required crushing technologies and can offer you the most appropriate solution for your specific needs – helping you to improve production processes, increase efficiency and lower operating costs.

KEY BENEFITS

01 Low total cost of ownership

02 Long wear life

03 Easy maintenance

04 High capacity and large feed size

WE HELP YOU CHOOSE YOUR OPTIMAL SOLUTION

Built-to-last operations

For cement plant owners around the world, reliability and durability of equipment are key demands. The technology investments you make need to deliver on your production goals today and tomorrow.

Nothing is as hard on machinery as crushing raw materials day in and day out. A focus on longer wear lifetime and easy maintenance is therefore essential to minimize the Total Cost of Ownership for your crushing operations.

The Strike-Bar™ Crusher has been designed specifically for the cement production process. It is built to reduce the effect of wear in a harsh operating environment and is designed to help your operations achieve their true potential. As the newest addition to our crushing product portfolio, it combines the latest crushing technologies with our extensive experience in crushing and cement production operations.

With the introduction of the Strike-Bar Crusher, we offer all crushing technologies, so you can be sure to get the right solution for your specific needs.

Choose the optimal solution

Consistent and reliable feed to the raw mill is vital to achieve an efficient cement production process. It all starts with a reliable and durable crusher. When choosing the right crusher for your plant, you need to consider the composition of the raw material.

In Fuller Technologies, we have two of the world's most advanced laboratories for the analysis of raw materials at hand. At Fuller Dania and in our laboratory in Chennai, India, we test raw materials for various parameters, such as hardness, abrasiveness and stickiness.

With these specifications at hand, we can help you choose the most appropriate crushing solution.

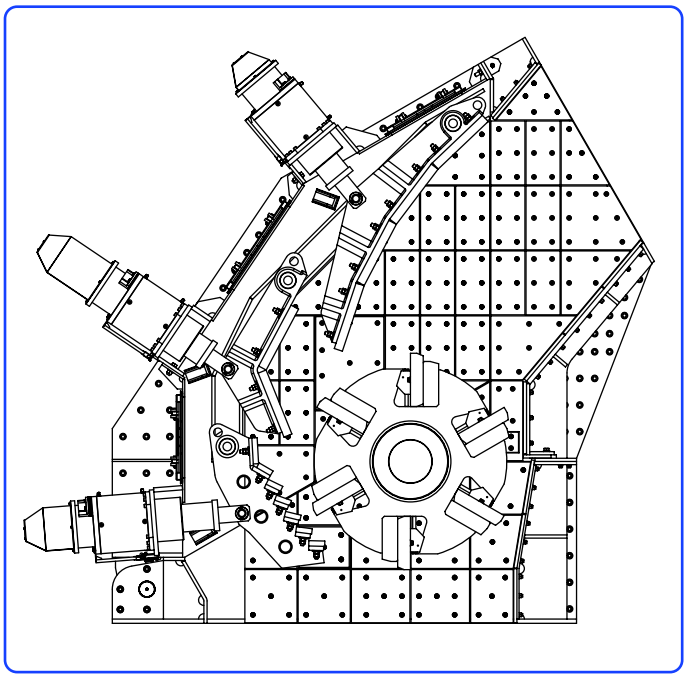
Low Total Cost of Ownership

Your investment in a new crusher has a significant long-term impact on plant operations. Our experienced engineers work closely with you to ensure the crusher delivers to your goals.

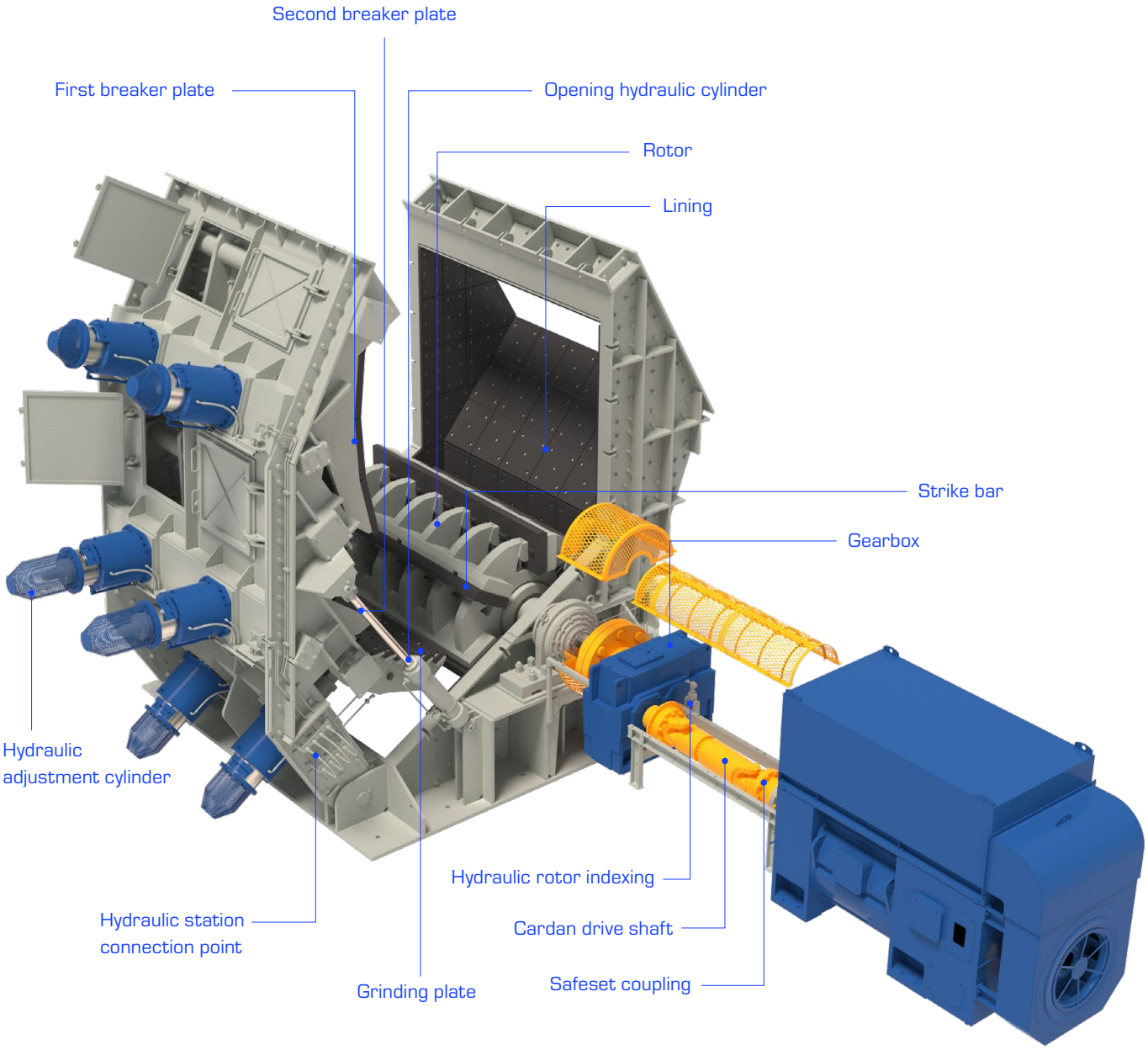
The Strike-Bar crusher is designed for low Total Cost of Ownership. In most other crushers, wear items need to be frequently replaced. We have focused on lengthening the wear life of the strike bars so that they are useful for up to 50 percent of their original weight. And, we have enabled quick and easy replacement of wear parts to cut potential downtime.

Throughout the lifecycle of your crushing equipment, we can provide the support necessary to ensure it delivers on its promise.

From planning and implementation to maintenance and supply of spare parts, you can rely on expert support from our global organisation, when and where you need it. Our goal is to help you make the best economic choice for your operation.



STRIKE-BAR™ CRUSHER



DESIGN ADVANTAGES

The Strike-Bar Crusher is an impact crusher. It is appropriate for crushing large rocks in a single rotor operation.

Easy maintenance

Ease of maintenance has been top of our design agenda. Due to the wedge fastening system and easy-to-open main housing, you can quickly adjust and rotate the strike bars.

Furthermore, all exposed surfaces are lined with bolted-on wear-resistance plate for extra durability and specially designed features. This ensures easy inspection and access to interior wear parts.

Long wear life

Unique to the Strike-Bar crusher are the interchangeable, segmented strike bars, designed to significantly maximise wear life. Interchanging between four different positions makes it possible to utilise up to 50 percent of the total strike bar weight.

Easy to install

The carefully designed housing consists of easily manageable welded sections. The four main pre-fabricated sections can be quickly put into place on-site to get you up and running without delay.

High capacity

With a throughput capacity of up to 2,600 tonnes per hour, the crusher handles lump sizes larger than two metres and four tonnes (1:40 size reduction).

The Strike-Bar Crusher will help you improve production processes, increase efficiency and lower operating costs.

FEATURES

The Strike-Bar impact crusher is based on our proven technology, boasting features that reduce the effect of wear in a harsh operating environment.

How it works

Raw material enters the crusher through the integrated Apron feeder. In the first part of the process, the material is crushed by impacting. Then, it is sheared and compressed between the strike bars, breaker plate and grinding plate. Together with the durable springs and adjustment systems, this eliminates many common stoppages and minimises equipment damage.

Multiple breaker and grinding plate

The crusher features a multiple breaker and grinding plate system in conjunction with a single rotor. Raw material is efficiently reduced to the required size - you can be sure that no oversized particles will leave the crusher.

Heavy-duty rotor and drive

Key to the crusher's performance is the robust rotor and drive system. The drive station is based on a proven Fuller gear solution – designed for a small footprint and easy maintenance. It includes safe-set coupling and a multi-joint shaft for easy alignment. The rotor design delivers maximum inertia for the crushing process and can be easily replaced with minimum operational downtime.

Impact and grinding plates

All breaker and grinding plates can be adjusted to compensate for wear and to fine-tune the output product by means of hydraulic cylinders. Together with the durable spring system, which helps prevent overload, this eliminates common stoppages and minimises equipment damage. The breaker and grinding plates are easy to pull out for inspection and maintenance. As a safety measure, a slide rail system supports the plates inside the crusher even when the breaker and shaft grinding plates are disengaged.

Sizes

The Strike-Bar crusher is available in a wide range of sizes.

Characteristics

Type	Rotor diameter x Rotor width	Crusher weight	Feed opening		Capacity (t/h)		Power installed
	(mm)	(kg)	Width (mm)	Height (mm)	Product size 95% < 100 mm	Product size 95% < 50 mm	(kW)
SB150 x 150	Ø1500 x 1500	42.000	1.600	1.550	550	350	340 - 430
SB150 x 200	Ø1500 x 2000	49.000	2.100	1.550	750	500	430 - 560
SB200 x 200	Ø2000 x 2000	87.000	2.100	1.950	1.250	850	560 - 900
SB200 x 250	Ø2000 x 2500	98.000	2.600	1.950	1.500	1.200	900 - 1200
SB200 x 300	Ø2000 x 3000	110.000	3.100	1.950	1.950	1.400	1000 - 1400
SB250 x 300	Ø2500 x 3000	140.000	3.100	2.450	2.500	1.850	1400 - 2500

This table is for guidance only. The choice of the right solution depends on various factors such as raw materials etc.

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TECHNOLOGIES

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