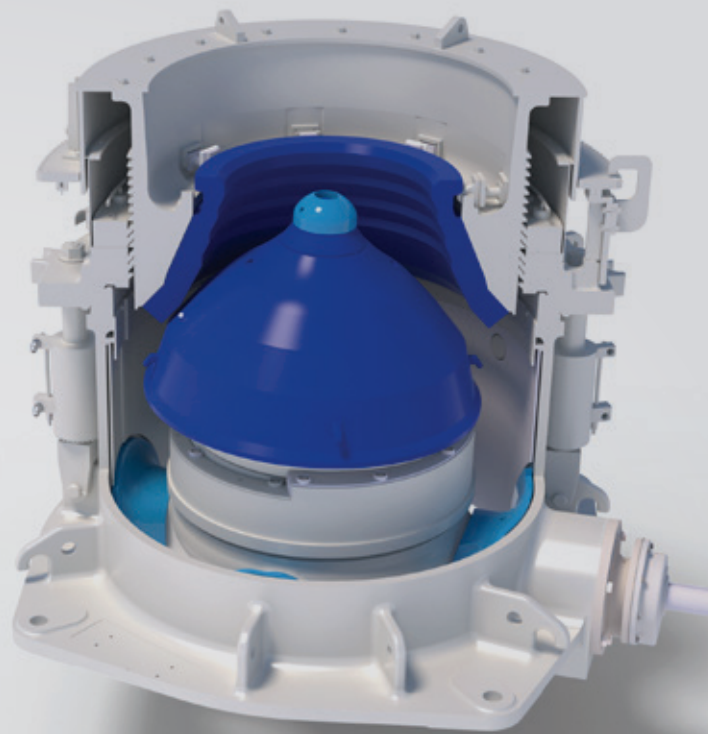


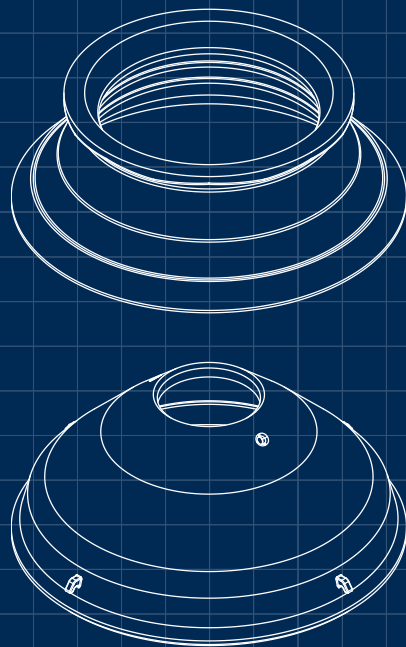
# Cone crusher performance liners

Wear parts and  
process solutions



# Adding value by maximising performance

We have taken our customers' productivity to the next level with our performance cone crusher liners. Our performance liners are specifically designed to perform in the most demanding applications.



## Key benefits

■  
Reduced  
breakin peroid

■  
Constant throughput  
over entire life

■  
Improved  
liner utilisation

■  
Improved processing  
of hard materials

# Advanced solutions for demanding applications

At FLSmidth, we know our customers face increasing challenges with harder ores, lower ore grades, and more stringent product requirements – all of which lead to rising production costs. Our performance liners are designed to address these challenges. Here's how:

## Harder ores

Harder ore material results in increased processing difficulty for cone crushers. These more challenging materials also increase component stress throughout the machine.

Our improved crushing chamber profile easily and efficiently nips hard material during operation, helping material move down and reducing localised wear. The performance liners are designed to reduce the peak forces transmitted into the crusher during operation in hard ore applications. Because of this, the crusher's internal components experience less stress, helping to increase the crusher's reliability.

## Lower ore grades

The lower ore grades that are increasingly more common to the mining industry create a need for existing equipment to process more raw material to maintain current levels of finished product.

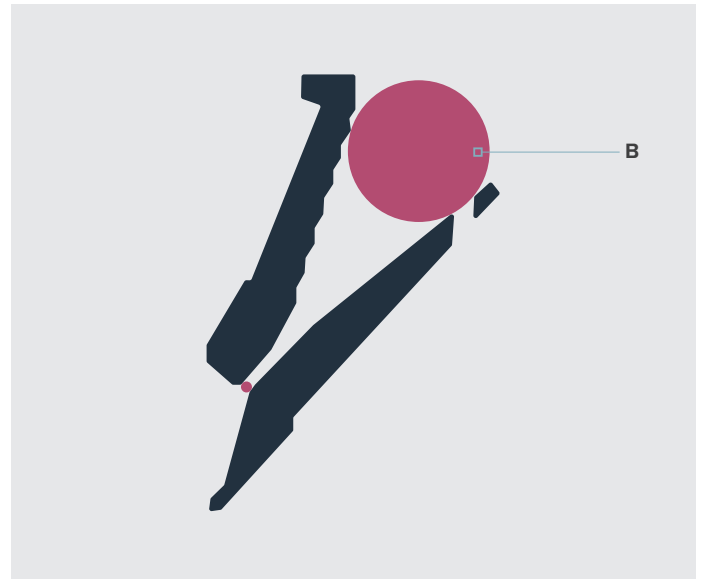
Our performance liners feature a more aggressive crushing chamber profile, which allows the material to be nipped more quickly and efficiently for higher production rates. What's more, they help to maintain increased production throughout the life because of the even wear of the liners.

## Stringent product requirements

Designed for today's demanding applications, our performance liners handle the product requirements of size, shape, and less waste with ease. By minimizing slippage during processing and increasing the number of impacts, our performance liners help our customers achieve additional productivity.

## Rising production costs

While the market demand for commodities and metals is increasing globally, mining production costs are on the rise due to challenging ore grades – which affect component wear life, productivity and energy requirements. Performance cone crusher liners from FLSmidth not only provide consistent, high-rate production and longer wear life, but they also protect your crusher from peak crushing forces – resulting in an overall lower cost-per-ton advantage.



Liner maximum feed (B)

## Performance liner feed opening

	SHD-Fine	SHD-Medium	SHD-Coarse
	Max feed <sup>(B)</sup>	Max feed <sup>(B)</sup>	Max feed <sup>(B)</sup>
R600	185	225	265
R900	190	225	245
R1100	190	225	285

\* Feed openings may vary depending on feed plate arrangement and CSS setting.

# Partnering for greater success

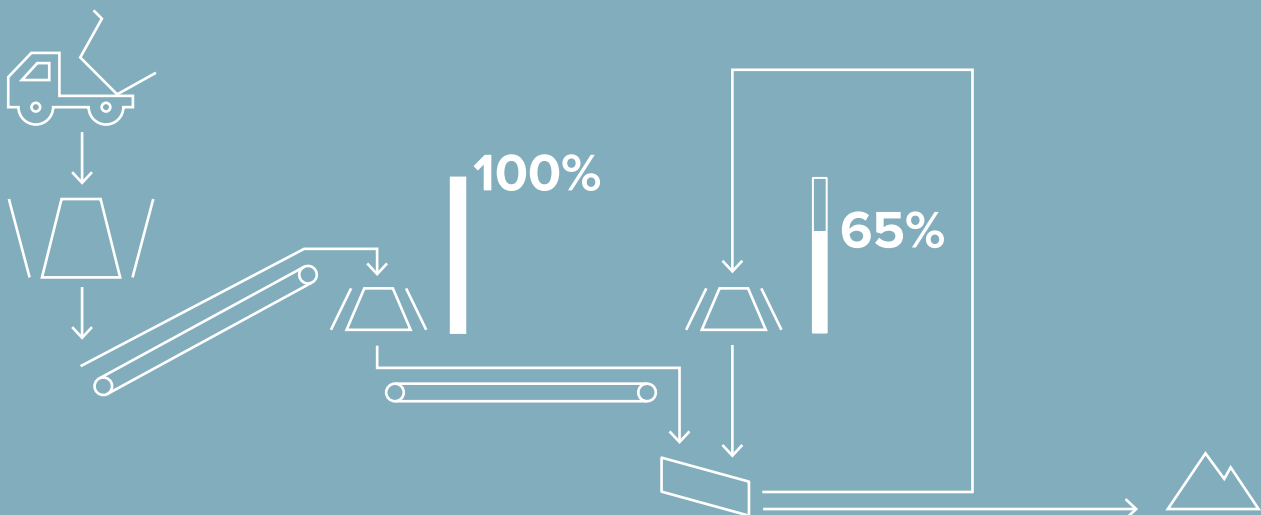
Our experienced engineers are committed to finding the best solutions for your challenges. As your partner in success, we ask all of the right questions, and examine every aspect of your process and production goals to determine the ideal liner design for your application.

## What is your challenge?

Every mine is unique. In the real world, “average conditions” don’t exist. Yet, there are certain problems that operators seem to experience universally with their cone crushers. Do you see your challenge amongst these common concerns? Whether your operation is experiencing one of these issues or a completely out-of-the-ordinary obstacle, you can be sure that our engineering team will track down the cause and find the best solution.

- Liner profile wear
- Crusher load sharing
- Oversize and waste material
- Recirculating load
- Wear rates
- Power draw

## Imbalanced crusher loading resulting in poor production

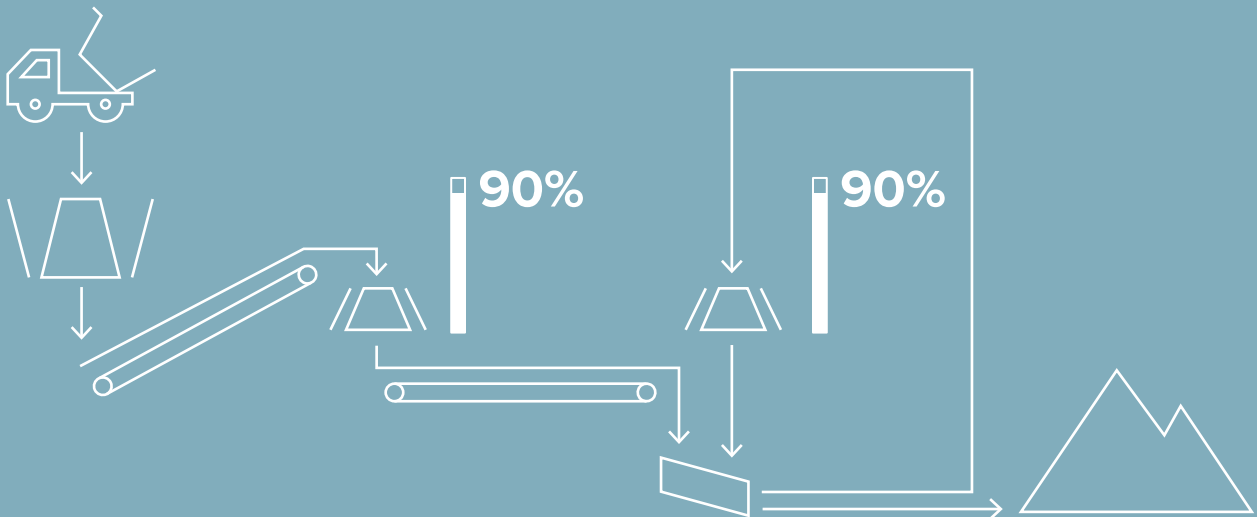


### Standout solutions

Just because a challenge is considered to be common doesn't mean that the solution is always straightforward. It's true that the answer might be a simple setting or liner modification. But many common problems require unique process solutions. Our expert team will review and analyse your entire process, and then create recommendations to give your operation the productivity boost you're seeking.

- Product quality
- Wear part utilisation
- Equipment availability
- Profitability

### Properly balanced crusher loading resulting in maximum production



# Achieving results

Together we bring better solutions to light. With your opportunities as our starting point, our experts develop custom cone crushing solutions designed to provide you with the highest levels of productivity.

## **Our experience is your advantage**

FLSmidth has vast experience with designing, manufacturing, installing, commissioning, and optimising a variety of crushing systems.

This combination of design and operational know-how allows us to provide in-sight and tailor specific solutions that meet the needs for the optimum crushing operation.





## Increase your crushing performance

Our crushing experts are ready to help you. Contact them at:

✉ [info.MiningLiners@FLSmidth.com](mailto:info.MiningLiners@FLSmidth.com)



Learn more about performance liners for cone crushers at:

🖥 [www.flsmidth.com/products/cone-crusher-liners](http://www.flsmidth.com/products/cone-crusher-liners)



### Minerals Technology Center

FLSmidth Inc.  
7158 S. FLSmidth Drive  
Midvale, UT 84047-5559  
USA

Tel: +1 801 871 7000  
Fax: +1 801 871 7001  
E-mail: [info.slcc@flsmidth.com](mailto:info.slcc@flsmidth.com)

For more locations and contact details go to  
[www.flsmidth.com/en-gb/offices](http://www.flsmidth.com/en-gb/offices)

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# Bringing better solutions to light

in the cement and mining industries

The future is full of possibilities and you are leading the way. But it's never a straight journey and it's easy to lose sight of true potential. With an ally by your side, who shares your ambitions and who sees your world from different angles, we will find the right way together.

For more than 135 years, we have challenged conventions and explored opportunities. Across more than 50 countries, we are 13,000 employees who combine our unique process-knowledge on projects, products and services to drive success. We develop the most advanced technology in our industries and offer market-leading product and service ranges.

Rooted in Danish values, we activate our knowledge and experience to navigate your complexity and bring better solutions to light. So no matter where in the world you are, we are here to help you discover new ground and achieve sustainable productivity enhancement.

We are the market-leading supplier of engineering, equipment and service solutions to customers in the global mining and cement industries.

**We discover potential.**

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## Minerals Technology Center

FLSmidth Inc.  
7158 S. FLSmidth Drive  
Midvale, UT 84047-5559  
USA

Tel: +1 801 871 7000  
Fax: +1 801 871 7001

E-mail: [info.slc@flsmidth.com](mailto:info.slc@flsmidth.com)