

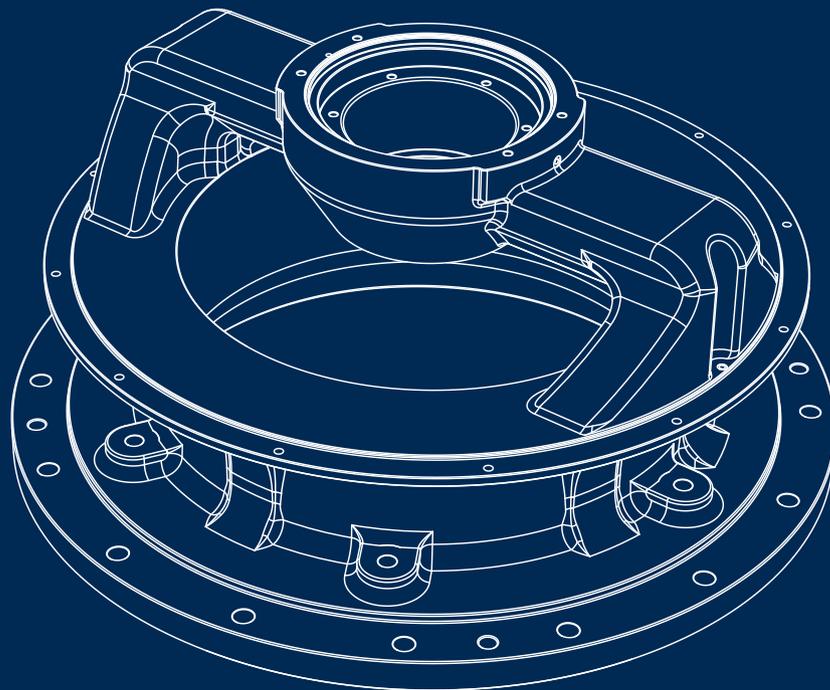
EXCEL replacement parts for Sandvik® Cone Crushers Reliable high quality parts



FLS

Improve performance with our spare parts for Sandvik® Cone crushers

Discover the difference our re-engineered spare wear parts can make in your existing crusher to increase performance and decrease maintenance.



Benefits

- Increase durability
- Increase longevity
- Consistent high quality
- Reduce maintenance and downtime

Extraordinary components do not happen by accident

EXCEL™ bronze bushings and components perform better because our standards are higher.

Higher tensile strength

Tin is the most expensive ingredient in the metallurgy of bronze alloys, but it creates tougher bushings that last longer. We use the maximum percentage of tin to increase your profits. We certify our crusher bronze to the top end of the CDA specification for tin.

Uniform lead distribution

During casting, we use an innovative technique that distributes lead and other alloy grains uniformly. We then use a unique chilling process that ensures the uniform distribution is locked in. Our dedication to lead distribution means that when you use EXCEL™ cast alloys, there is less friction and more defense against heat build-up. In short, our bushings and other cast parts last longer and have fewer problems.



Standard bronze pour from furnace to ladle in our foundry for EXCEL parts, located in Pekin, Illinois, USA

Optimum concentricity

Our competitors are content with bushings that are close enough to concentric. We create perfectly concentric bushings using a unique pinch turning method during machining and cut the inside and outside diameters simultaneously. This process guarantees that your bushings are concentric with no weak spots or deformities and lowers the risk of hot spots.

Porosity-free/uniform grain structure

We begin preparing for casting by selecting the highest grade pure raw materials. The unique centrifugal casting technique that we use produces a tighter, denser grain structure in the alloy and eliminates nearly all gas pockets. What does this mean to you? The cast alloys you buy from us last longer and have significantly fewer defects.



XL40 bronze components

Sandvik® cone crushers

H-Series, CH-Series, S-Series, CS-Series

Component identification

Topshell assembly

- Spider Cap
- Arm Shield
- Topshell
- Spider Bushing
- Oil Seal
- Concave Support Ring
- Concave Retaining Bolt & Washers
- Jacking Bolt

Bottomshell assembly

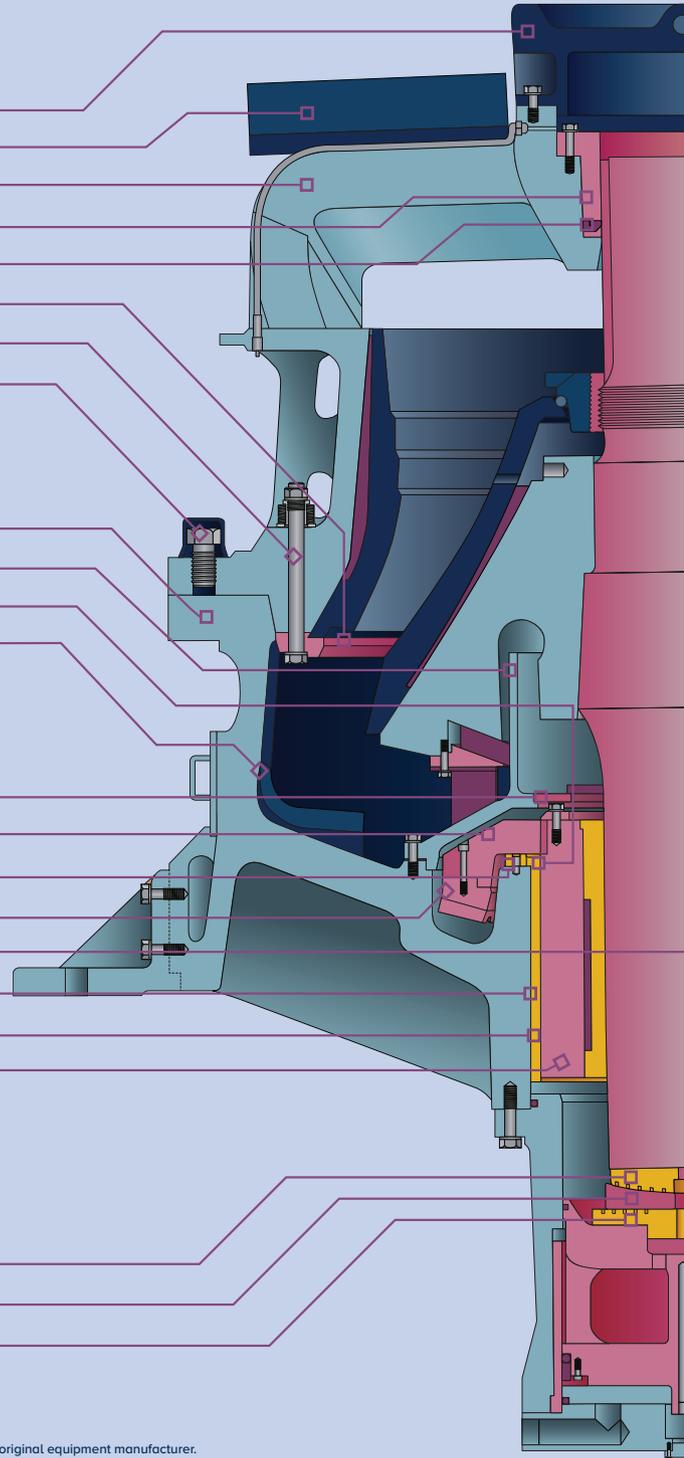
- Bottomshell
- Dust Collar
- Bottomshell Bushing
- Arm Guards

Eccentric assembly

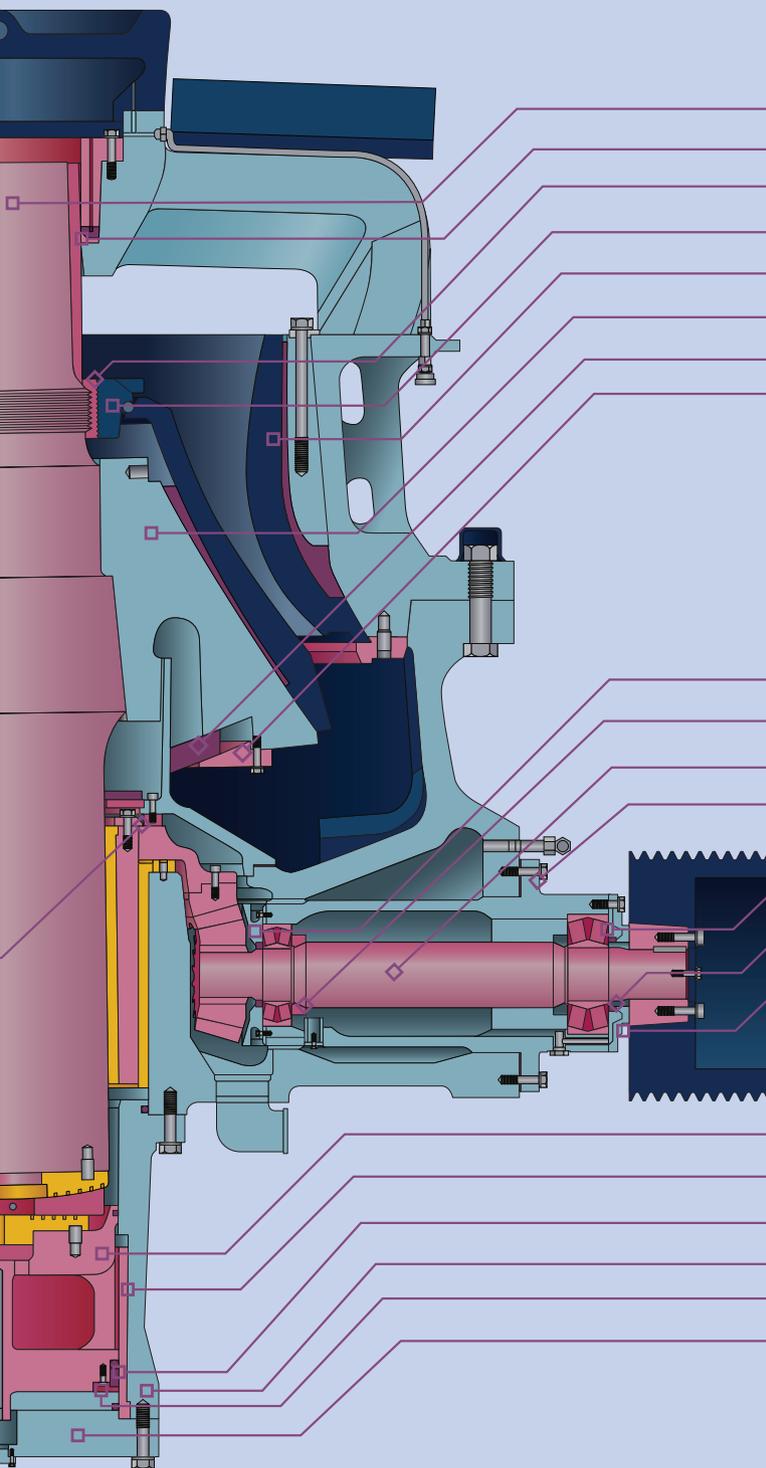
- Retainer
- Hub
- Eccentric Wear
- Gear
- Locating Bar
- Eccentric Bushing
- Eccentric Key
- Eccentric

Step plate assembly

- Mainshaft Step Plate
- Step Washer
- Piston Wearing Plate



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Mainshaft assembly

- Mainshaft
- Mainshaft Sleeve
- Inner Head Nut
- Head Nut with Burning Ring
- Concave Ring
- Head Center
- Dust Seal Ring
- Dust Seal Retainer

Pinionshaft assembly

- Pinion
- Pinion End Bearing
- Pinionshaft
- Pinionshaft Housing
- Sheave End Bearing
- Pinionshaft Oil Seal
- Seal Plate

Hydroset™ assembly

- Piston
- Hydroset™ Cylinder Bushing
- Chevron Packing
- Hydroset™ Cylinder
- Packing Clamp Plate
- Hydroset™ Cylinder Cover

Invest in the right spare parts for your cone crusher

These improved parts provide better throughput and increased revenue for your business. Better replacement parts mean longer periods of operation between maintenance downtimes.



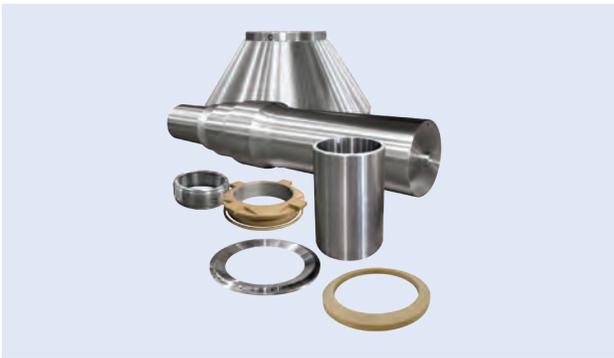
Topshell assembly



Bottomshell assembly



Eccentric assembly



Mainshaft components



Step plate assembly



Hydroset™ assembly



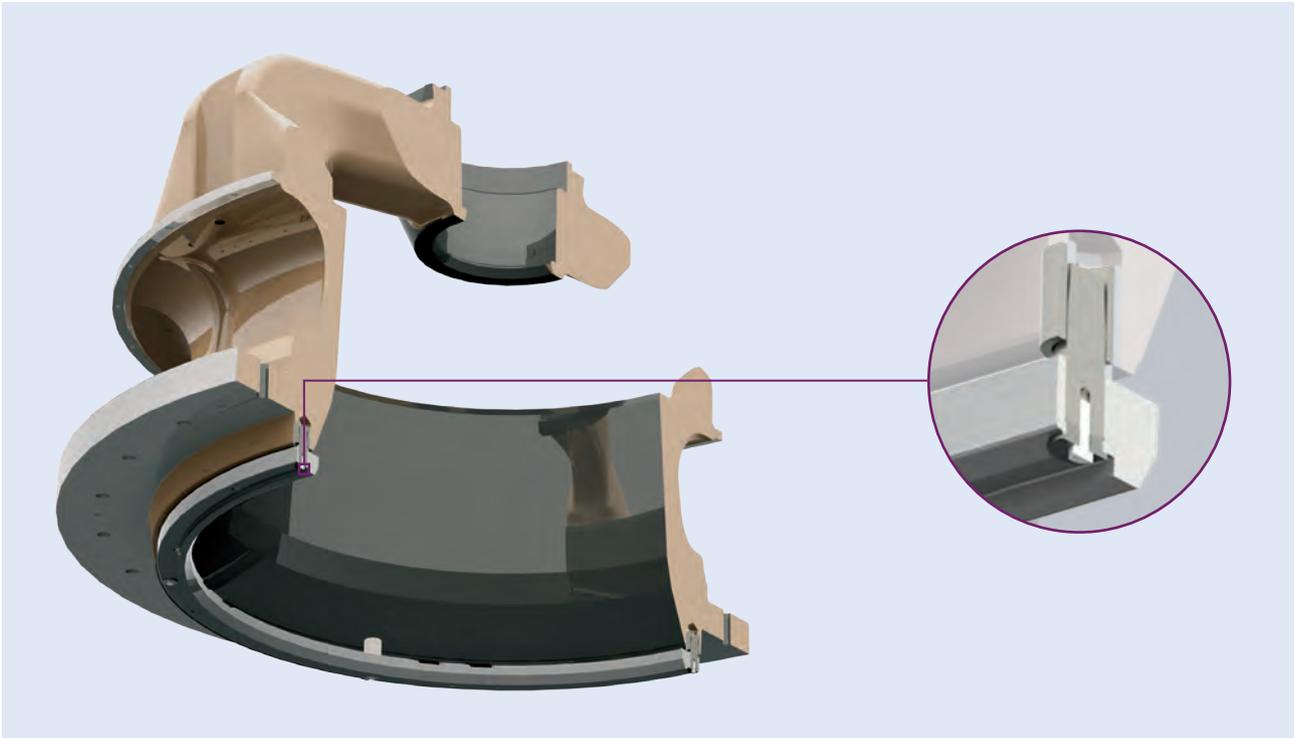
Pinionshaft assembly

Concave support ring for H8000™, H8800™ and CH880™

Our support ring improves retention, lasts longer and better withstands stresses to keep your crusher operating more reliably.

Only minor modifications are required to mount the new support ring to your existing topshell, and we provide technical drawings and dedicated support to assist you in the simple process.

- Improved retention system
- Heavy-duty pins
- Easy to install with technical drawings and dedicated support
- Reduced risk of breaking
- Reduced crusher downtime
- Maximised cost savings



Heavy-duty retention pin

Our support ring comes with heavy-duty retention pins that eliminate the threads in the support ring. With these pins, you never again have to remove broken threaded dowels from the topshell.

- Increased support for added overall wear life
- Outer diameter 10% larger for added strength



Inner and outer head nut for H8000™

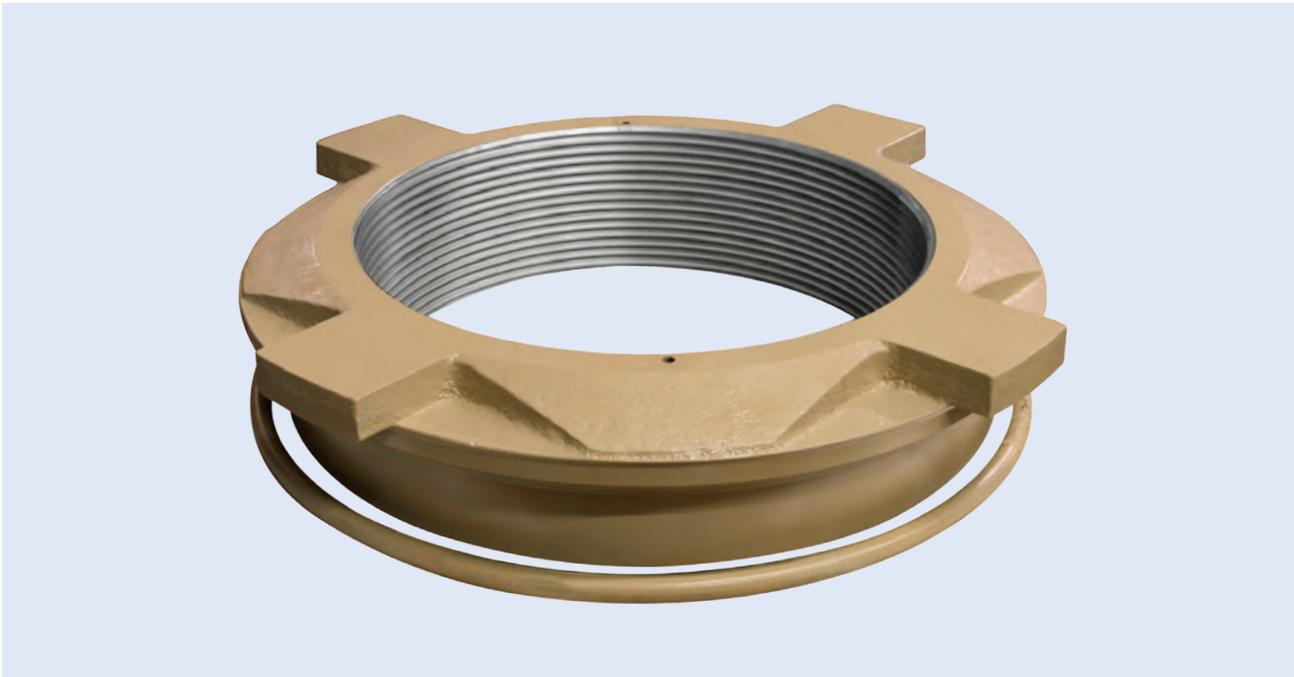
Our inner and outer head nuts have large buttress threads that are stronger than the standard unified thread. These strong custom threads keep your mantle more tightly in place and last longer than the conventional design.



Outer head nut for HD

We re-engineered the outer head nut for HD Cone Crushers to make it work better and last longer. Our new design has 45% more surface area in contact with the inner nut to hold the mantle in place more securely. The increased function also gives the outer head nut a longer wear life than the conventional nut.

- Increased casting cross-section
- 45% more contact surface area
- Extended life



Quality and innovation do not have to cost you more

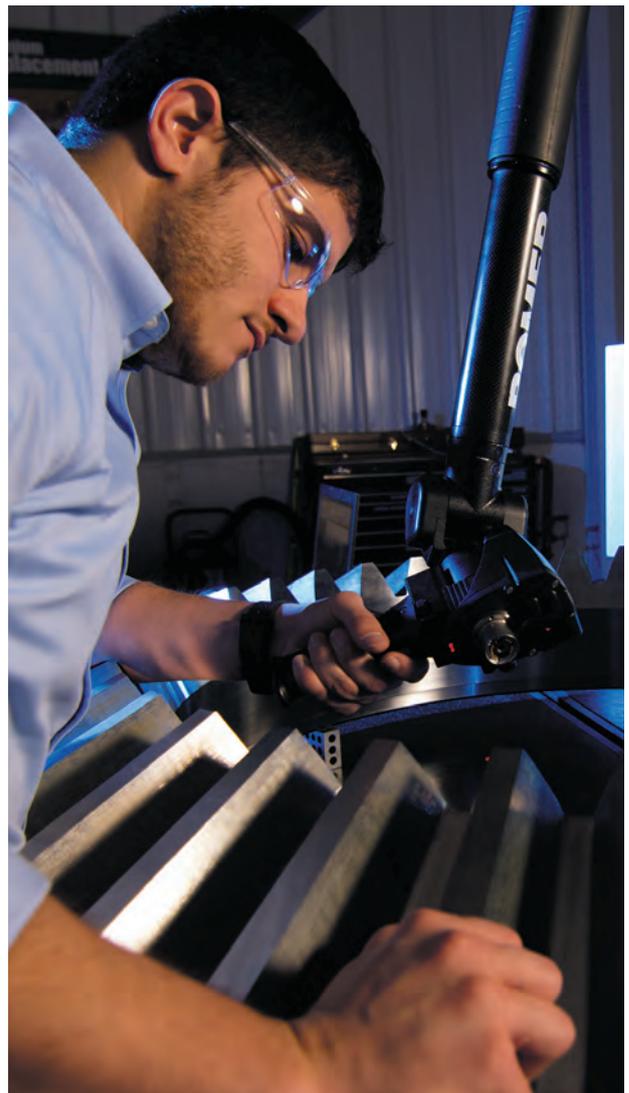
Our cone crusher parts are engineered for excellence and save you money.

Rock solid performance

When components of your essential equipment fail, finding the right spare parts becomes vitally important. Our cone crusher spare parts are designed to offer excellent performance with increased durability, smoother operation and reduced maintenance expenses, so that you can get your essential equipment up and running as quickly and effectively as possible.

High-value spare part solutions to repair and optimise your cone crushers

Our top-quality, reliable spare parts won't break the bank. Our spare parts offer durability and dependability, along with top value. These improved parts provide better throughput and increased revenue for your business. Better replacement parts mean longer periods of operation between maintenance downtimes.





"Our customers need replacement parts that operate in harsh environments. For this reason, we demand metallurgically sound castings produced through the careful control of chemistry and processing parameters for our replacement parts. Our promise is to provide our customers with the highest quality components."

MIKE BERGERHOUSE
Senior Metallurgical Engineer
FLSmidth Inc. - Pekin Operations

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