Excel Premium Components

Allis-Chalmers® & Svedala® Hydrocone® Cone Crushers

22" | 36" | 45" | 51" | 60" | 72" | 84"
500™ | 600™ | 700™
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22” l 36” l 45” l 60” l 72” l 84” l 500™ l 600™ l 700™

TOPSHELL ASSEMBLY
- Spider Cap
- Spider Arm Shield
- Spider Bushing
- Spider Oil Seal
- Scraper Ring
- Spider
- Concave
- Topshell

ECCENTRIC ASSEMBLY
- Eccentric Bushing
- Eccentric
- Gear
- Eccentric Wear Plate
- Eccentric Support Plate

BOTTOMSHELL / HARDWARE
- Shell Bolt
- Dust Collar
- Bottomshell
- Dust Collar Gasket
- Bottomshell Bushing
- Arm Liner

STEP PLATE ASSEMBLY
- Mainshaft Step Plate
- Step Washer
- Piston Wear Plate

PINIONSHAFT ASSEMBLY
- Sheave
- Lock Nut Spacer
- Pinionshaft Oil Seal
- Pinionshaft Bearing
- Pinionshaft Housing
- Pinion

MAINSHAFT ASSEMBLY
- Mainshaft
- Mainshaft Sleeve
- Head Nut
- Head Center
- Mantle
- Dust Seal Ring
- Dust Seal Retainer

HYDROSET™ ASSEMBLY
- Hydroset™ Bushing
- Hydroset™ Piston
- Hydroset™ Cylinder
- Hydroset™ Seal
- Clamp Plate

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Mainshaft Assembly
Eccentric Assembly
Hydroset™ Assembly
Topshell Assembly
Step Plate Assembly
Bottomshell / Hardware
Pinionshaft Assembly
We sell cone crusher parts for aggregates and mining. Cone Crusher Parts, spare parts, aggregate crusher parts.

Metso, Sandvik, omnicone, Chalmers. For more information on cone crusher parts and aggregate crusher parts contact us.

Excel Gears and Pinions
Excel Uses the Latest Technology
From straight bevel teeth to spiral bevel teeth, Excel offers direct replacement gearing that exceeds OEM quality, starting with the highest quality steel forgings. Our gear “gasher” mill at the beginning of the process and the gear checking center at the end of the process help ensure that Excel delivers high quality gears and pinions efficiently and consistently.

It's All About the Contact Pattern
The contact pattern is the single most important factor to control when manufacturing crusher gears. Without good tooth-to-tooth contact, the load transfer can point-load the tooth face and result in premature or uneven wear or tooth breakage. Poor contact also creates excessive noise. The load must be distributed properly on the tooth face, and Excel rigorously assures this condition is met through contact-testing with our master gears.

Porosity-Free/Uniform Grain Structure
Centrifugal Casting Technique Ensures Alloy Integrity
The purity of our raw materials, coupled with controlled, directional solidification during the casting process creates a tighter, denser grain structure in our alloys while eliminating 99.9% of the gas pockets that produce porosity. The integrity of Excel’s grain structure ensure strong, long lasting replacement parts.

Porosities Pushed to the ID then Machined Down
Excel Gears and Pinions
Excel's Chilling Process
Standard Cooling Process
Higher Tin Yields 20% Higher Strength
Tensile Strength
Tin Content
Turning the OD & ID in the Same Operation
Conventional Casting with Impurities & Porosities
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Excel Bronze Bushings... Simply the Best!
Fit, Form, and Function - that’s what we guarantee in every replacement part we deliver. Our Quality Assurance Department scrutinizes every dimension with exacting tolerances to be sure your bushing is perfect in every way, giving your operation an unbelievable value. Less expensive than the OEM, with the highest quality in the business...sounds too good to be true, doesn’t it?

Higher Tensile Strength
Metallurgical Consistency Yields High-Strength Components
In order to maximize tensile strength, Excel certifies our crusher bronze to the top end of the CDA specification for tin. Tougher bushings mean less down-time and fewer replacement cycles. Tin is the most expensive ingredient in the metallurgy of crusher bronze alloys.

Uniform Lead Dispersion
Unique Chilling Process Stops Migration
Our foundry utilizes a unique chilling process that assures even dispersion of lead throughout the casting. Standard foundry molding techniques allow uneven, non-directional cooling that can cause lead migration. Even dispersion of lead provides consistent lubricity and heat dissipation which increase bushing life and reduce unexpected failures.

Optimum Concentricity
Simultaneous “4-Axis” Turning Ensures Concentricity
Extensive investment in our equipment, our people, and our process gives Excel many unique capabilities, including a special “pinch turning” method in the machining of our crusher bushings which simultaneously cuts the OD and ID. Using this technology guarantees absolute concentricity.

Master Gears and Bluing Process
We ensure field performance and wear life when it comes to gear manufacturing by retaining a high quality set of “master gears” to be used in the production process. Each gear or pinion made is contact-tested against the master and must meet the precise specifications of the gear’s contact criteria. Simply put, the benefit to our customer is consistency.
We sell cone crusher parts for aggregates and mining.

Cone crusher parts, spare parts, aggregate crusher parts.

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