



EXCEN-CRUSHER®

18" x 18" Clinker Grinder

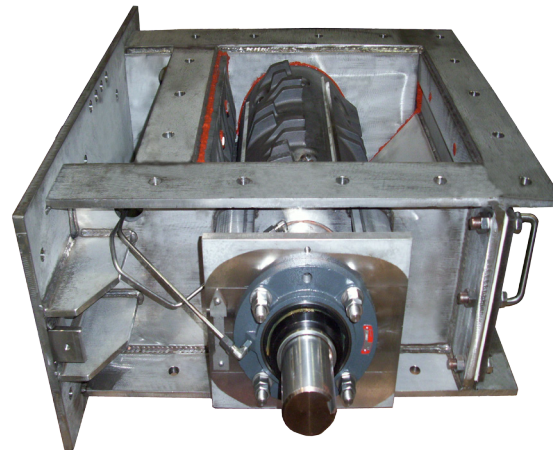
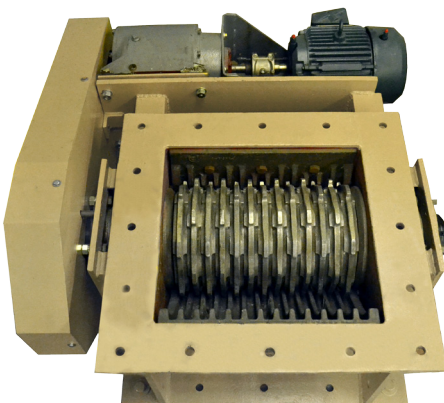
United Conveyor Corporation (UCC) EXCEN-CRUSHER® Clinker Grinders are specifically designed for both wet and dry bottom ash applications, offering superior performance and high-level reliability. With decades of proven experience, UCC clinker grinders effectively reduce material size providing higher efficiency in pneumatic, hydraulic and mechanical bottom ash handling systems.

With thousands of units in service, UCC EXCEN-CRUSHER Clinker Grinders are the industry standard for utility and industrial power plants across the world. Through continuous design improvement, the UCC EXCEN-CRUSHER offers efficient operation, superior sealing and longer service life. Most models are in-stock for immediate delivery to help minimize downtime.

DURITE® H Wear Components



Compact Integral Drive Design



APPLICATIONS

- Wet or Dry Bottom Ash Handling: 2.5 to 21 TPH Throughput Capacity
- Continuous or Intermittent Operation
- High Temperature Application up to 1200 °F

KEY ADVANTAGES

- Reliable Performance
- Rugged Design
- Efficient Operation
- Simple Maintenance
- Cost-Effective Rebuilds and Kits
- Knowledgeable Field Support
- In-Stock for Immediate Delivery
- Crusher Exchange Program

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ADVANTAGES

■ Superior Construction for Longer, Reliable Service

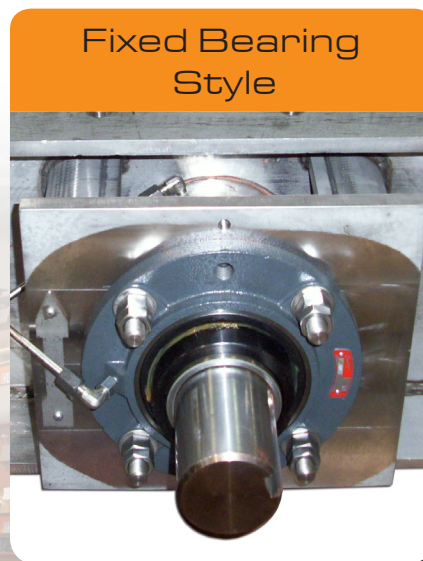
- › Rugged and reusable fabricated steel body and cam support are built to last multiple service intervals
- › Carbon steel construction with optional stainless steel for corrosive applications
- › Standard 4-bolt DURITE® H cams are designed for severe-duty applications
- › Square profile teeth provide effective shearing and longer wear life
- › Optional flame sprayed ductile iron cams for high temperature applications

■ Optimal Sealing Performance

- › Standard spring-loaded packing glands prevent leakage, minimize maintenance and increase reliability
- › Elastomer seal rings resist abrasion and wallowing in low-temperature, wet applications
- › Superior performance of woven graphite packing in high-temperature, dry applications

■ Superior Seal Design

- › Fixed Bearing Style – UCC proven design includes elastomer seal rings in wet/low-temperature applications and woven graphite packing in dry/high-temperature applications





■ Efficient Operation

- › Single roll cam design produces more crushing force than a double roll design while reducing initial cost, rebuild cost and power consumption
- › 3 HP gearmotor is field proven to efficiently reduce the broadest range of friable materials
- › Solid state control panels provide automatic reversing and overload current protection
- › Standard drive design with flex coupling and control panel maximizes crushing torque

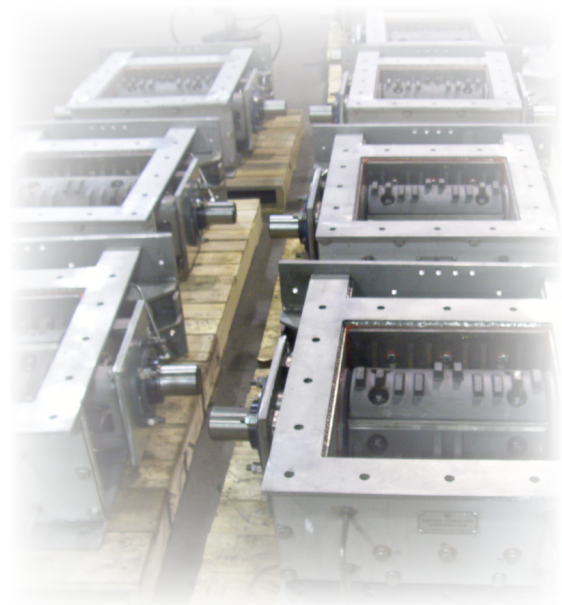
■ Simple Installation and Maintenance

- › Optional roll-out feature cuts down on installation and maintenance time and effort
- › Compact design and industry standard inlet/outlet/overall dimensions allow easy retrofit
- › Optional auto-lube controller eliminates day-to-day maintenance and ensures sealing performance
- › UCC factory rebuilds and kits extend clinker grinder life and increase return on investment

SPECIFICATIONS

Capacity (approx.)	2.5 to 21 TPH (dependent on ash type and size)
Input Particle Size (max.)	6" x 6" x 10"
Discharge Particle Size (max.)	1"
Internal Temp (max.)	1200 °F (dry) or 200 °F (wet)
Internal Pressure (max.)	20 psi
Operating Speed	23 RPM
Drive Horsepower	3 HP
Standard Drive Mounting	Integral Gearmotor Mounting Bracket
Weight (approx.)	1,250 lbs. (without drive) or 1,700 lbs. (with drive)
Flange-to-Flange Height	13"
Inlet Opening	18" x 18"
Discharge Opening	18" x 11-7/8"
Body Material	Primed Carbon Steel or Stainless Steel
Shaft Material	17-4PH Stainless Steel
Cam Support Material	Primed Carbon Steel (standard) or Stainless Steel (optional)
Cam Material	DURITE H (standard) or Flame Sprayed Ductile Iron (optional)
Anvil & Combing Plate Material	DURITE H (standard), AR500 (optional) or Stainless Steel (optional)
Access Door	Standard

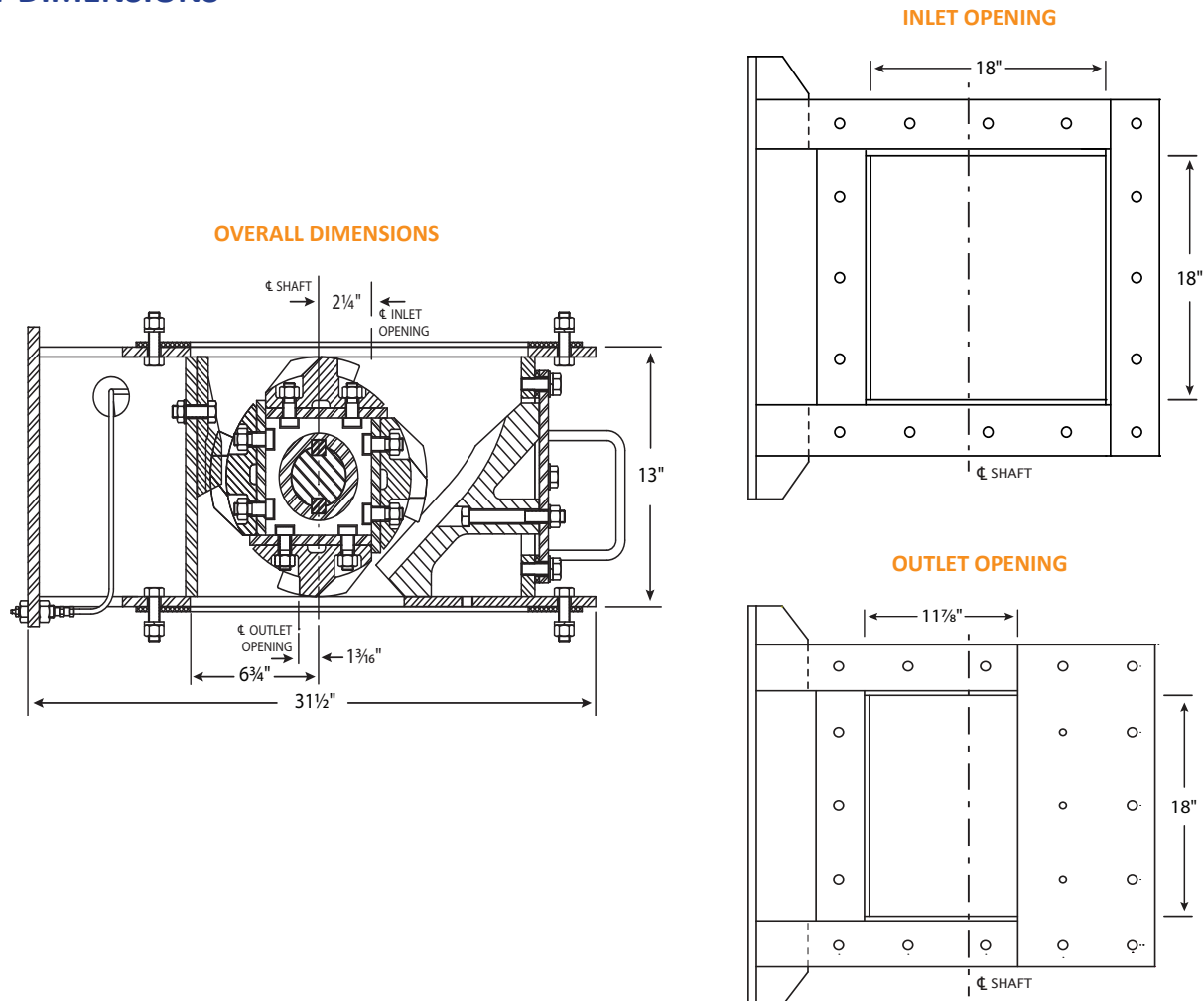
**DURITE H is 600 BHN Minimum*



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KEY DIMENSIONS



ORDERING INFORMATION

Crusher Type	Basic Assembly	Basic Assembly + Drive
Fixed Bearing Style	5-2109-7	5-2111-14

* For current product information please reference drawings. For information on accessories, such as Auto-Reverse Controllers or Auto-Lube Controllers, please contact your local sales representative.

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