

AgriPower Manufacturing

product catalog

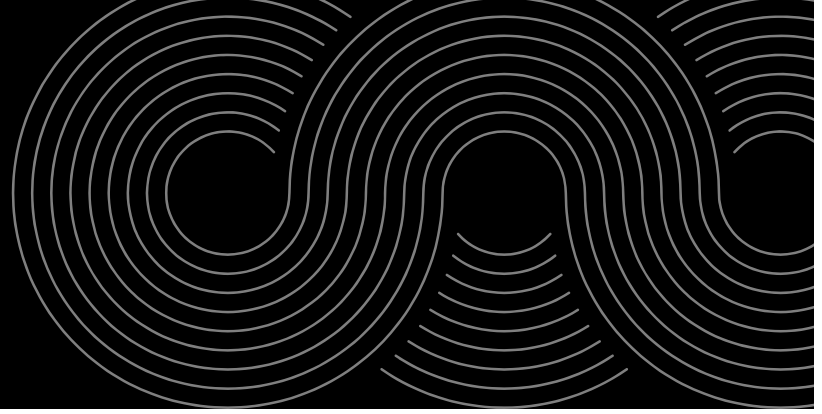
2025



www.agripowermanufacturing.com

230 State Street
Saint Marys, Pennsylvania

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This catalog serves as a practical buying guide for common replacement parts. We proudly support our equipment with a comprehensive inventory of all essential components and accessories designed to fulfill your maintenance requirements.

Due to the unique nature of our turnkey equipment, customized to meet individual customer specifications, it is impossible to list every available product. However, this guide provides a selection of frequently requested parts to help you maintain and optimize your equipment. Please contact us for further assistance if you cannot find the part you need on the following pages. We are here to answer your questions about our products and help you find tailored solutions to your needs.

For detailed specifications, please consult the operating manual. Before placing an order, verify the part number, equipment model, and quantity.

sales@agripowermanufacturing.com
+1 866-751-2474



AgriPower
Manufacturing and Services Division



About Us

Company Overview

AgriPower Manufacturing, in partnership with our parent company Bio-Power, has become the successor to Advanced Recycle Equipment (ARE). By acquiring ARE's designs and intellectual property, we have positioned ourselves as leaders in innovative waste-to-energy technology. Our president, a co-developer of ARE's product line, brings invaluable expertise to our operations, ensuring continuity and excellence. Our impressive product lineup includes the Challenger Thermal Combustion Systems and Challenger Grinders.

Our Mission

Established in 2015, AgriPower Manufacturing and Services focuses on designing, manufacturing, installing, and maintaining high-quality systems that efficiently convert waste into energy. Our mission is to provide sustainable energy solutions that address today's pressing environmental challenges.

Product Innovations

Building on our established Heat-Only systems, we are excited to introduce a new product line specifically engineered for the Combined Heat and Power (CHP) market. This innovative line utilizes forest residues, various biomass sources, and municipal solid waste (MSW) to generate sustainable energy. Our systems provide reliable and efficient energy solutions while significantly reducing environmental impact.

Manufacturing Excellence

Our systems are carefully manufactured and assembled in Pennsylvania, reflecting our commitment to quality and reliability. We take pride in our products' reputation for being low-maintenance and dependable, making them a preferred choice for sustainable energy projects across various sectors.

Commitment to Sustainability

At AgriPower Manufacturing, we are dedicated to creating a cleaner, greener future by transforming waste into valuable energy resources. Our cutting-edge technology and commitment to innovation and sustainability set us apart as leaders in the waste-to-energy industry.



+1 866-751-2474



contact@agripowermanufacturing.com



Services

Full Parts Inventory

We proudly support our products with a comprehensive inventory of replacement parts, ensuring your needs are met promptly. Our extensive selection includes all essential components and accessories designed to fulfill your maintenance requirements. We are committed to providing you with the highest quality products at affordable prices. With immediate shipment available, you can count on us to deliver what you need when you need it.

Customer Support

Our support team is committed to delivering exceptional customer service and ensuring complete satisfaction. Outstanding service is the cornerstone of a great customer experience, and we work tirelessly to achieve this standard for every interaction.

support@agripowermanufacturing.com

Support Portal

We also provide comprehensive support through our customer assistance portal. Here, you can access a wealth of valuable resources in our extensive knowledge base, which includes articles, guides, and FAQs designed to address common questions and issues. If you need personalized assistance, you can easily submit a request through the portal, and our team will respond promptly.

www.agripowermanufacturing.zohodesk.com

Service Department

Our service department comprises highly knowledgeable technicians who are available to answer your questions. We maintain detailed customer service records to ensure our technicians can provide you with the best possible service.

Technical Assistance

Our service department comprises highly trained technicians ready to assist you with any technical issues. We provide comprehensive remote tech support whenever needed, ensuring you have the necessary help to keep your systems running smoothly.

assistance@agripowermanufacturing.com

+1 844-517-0100

Factory Repairs

We provide comprehensive repair and rebuilding services directly in our factory. Our skilled technicians can repair damaged components or replace them with high-quality parts to restore functionality. Once the repairs are complete, we conduct thorough testing on the equipment to ensure all issues have been resolved and operate smoothly.

Field Service

In addition to remote assistance, we provide on-site services for issues that cannot be resolved remotely. Our highly trained technicians are available for installation, set-up, training, and on-site support when necessary, ensuring that every problem is addressed promptly and efficiently.

Custom Design Capabilities

We provide comprehensive turnkey design services, allowing us to customize each waste reduction system to suit your requirements. Our in-house design and engineering team offers expert consulting and project development services to help bring your vision to reality.

Expert Consulting and Project Development

In addition to design, we offer expert consulting and project development services to support you throughout the entire process, from conception to implementation.

Contact Us

For more information or to discuss your project, please contact our Sales Team. We are available to answer your questions about our products and assist you in finding tailored solutions that meet your needs.

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Challenger Waste Reduction Grinders

Challenger Grinders are designed to deliver exceptional performance in reducing various waste materials. These grinders can process large volumes of biomass waste, plastics, paper, and cardboard, making them an essential tool for businesses looking for effective waste management solutions.

Comprehensive Range of Grinders

AgriPower Manufacturing provides the most comprehensive range of waste-reduction grinders available. Our product lineup includes hopper-fed and horizontal-fed models, ensuring we have a solution for your waste reduction needs.

Versatile and High-Capacity Options

Challenger Grinders are available in sizes 1 to 10 feet wide, with production capacities between 500 and 40,000 pounds per hour. This versatility allows our grinders to be used in various settings, from small-scale operations to large industrial facilities.

Commitment to Quality

We take pride in our manufacturing and quality control, ensuring the best-built grinders in the industry. Our careful monitoring guarantees reliable, low-maintenance, and competitively priced equipment. With an in-house design and engineering team, we can customize each waste reduction system to meet specific customer needs. When you choose Challenger Grinders, you can confidently invest in reliable, high-quality equipment designed to efficiently and effectively meet your waste reduction needs.

Key Features

Aggressive Cutting System

Challenger grinders are designed with the most aggressive cutting system available, ensuring maximum efficiency and effectiveness in processing materials. This makes them ideal for high-demand operations.

Low-Speed High Torque Drive

Equipped with a low-speed, high-torque drive, these grinders deliver high throughput while maintaining a consistent particle size. This design reduces noise and requires minimal maintenance, providing a hassle-free user experience.

Heavy Duty Componentry

Constructed with heavy-duty components throughout, Challenger grinders guarantee durability and longevity. Each part is engineered to withstand the rigors of heavy use, minimizing wear and tear.

Solid Steel Construction

The main rotor and shaft are crafted from a single piece of solid steel, ensuring strength and reliability. This construction minimizes the risk of component failure and extends the machine's lifespan.

Stress-Free Side Wall Construction

The heavy-duty, stress-free side wall construction adds to the durability of Challenger grinders, enabling them to withstand high-pressure environments without compromising structural integrity.

Advanced Programmable Logic Controls

The integration of programmable logic controls allows for precise operation and customization. Users can easily adjust settings to optimize performance for specific tasks, enhancing the system's versatility.

Safety and Protection

All components of Challenger grinders are designed with safety in mind, ensuring a secure operating environment. Safety features are seamlessly integrated to provide peace of mind during operation.

Serviceability of Equipment

AgriPower takes great care to ensure the serviceability of its equipment. All motors and hydraulics are well-protected yet easily accessible for maintenance. The screens and cutterbars are constructed in one-foot sections, allowing easy access to service the rotor and cutters, which decreases replacement time and costs.



Material Handling

In addition to the grinder line of equipment, we provide a complete selection of material handling equipment, including truck unloading systems, conveyors, blowers, and augers, as well as metal detection and removal solutions.



Hopper Series

The Hopper Series is an innovative line of grinders designed to meet diverse waste reduction needs. These grinders offer flexible solutions for various industries by efficiently processing small and larger scraps, effectively turning waste into valuable resources.

Equipped with vertical feed systems, these grinders are perfect for dump-and-go operations. With rotor widths ranging from 2 to 10 feet, customers can easily find a model that fits their specific material size and volume requirements.



These units can handle outputs ranging from 400 to 40,000 pounds per hour. Hopper grinders can produce various output materials simply by changing the screens and transforming waste into valuable products such as animal bedding or landscaping mulch.

Additionally, innovative PLC-controlled hydraulics enhance the operational efficiency of the grinders, providing smooth and responsive control over the system's functions.

Feeding Options

The Hopper Series grinders offer flexible feeding options, allowing customers to choose the method that best suits their operational setup:

- Batch-Feed with Dump Hoppers: Ideal for simultaneously processing large quantities of waste.
- Conveyor-Feed: For continuous feeding and efficient processing.
- Direct Collection and Reduction: These grinders can be integrated directly into a manufacturing line to collect and reduce waste on the go.

Horizontal Series

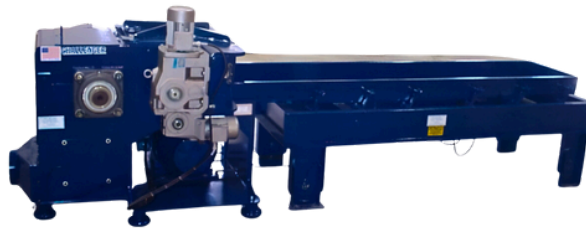
The Horizontal Series is an innovative line of grinders designed to meet various waste reduction needs. These versatile grinders can process a wide range of wood waste materials, with the capability to handle between 500 and 12,000 pounds per hour. They are suited for green and dry materials, including blocks, end cuts, edgings, veneers, plywood, flooring, and particleboards.

Horizontal grinders combine flexibility and efficiency, making them ideal for different environments, ranging from small woodworking shops to large-scale cabinet, flooring, and veneer manufacturing operations. Whether the task is small-scale or industrial, these grinders are built to meet demanding requirements, ensuring optimal performance and productivity.

These grinders have advanced top and bottom infeed rollers that greatly improve material handling capabilities. Additionally, motorized infeed rollers and an efficient cutting system enhance throughput capacity.

Depending on the model, horizontal grinders come with either belt-feed or balanced shaker-feed input conveyors, making them ideal for in-line operations. These grinders also offer various discharge methods, including conveyors, screw augers, and air discharge systems.

Specialized Models: The series also includes a horizontal model designed for grinding slabs and pallets, featuring an infeed system constructed from a heavy-duty steel chain.



Replacement Parts

We proudly support our products with a comprehensive inventory of replacement parts, ensuring your needs are met promptly. Our extensive selection includes all essential components and accessories designed to fulfill your maintenance requirements. We are committed to providing you with the highest quality products at affordable prices. With immediate shipment available, you can count on us to deliver what you need when you need it..

The FIXCUT Cutting System

The FIXCUT cutting system stands out as the most aggressive option on the market. With an overlapping cutter design that ensures close tolerance cutting, this system is engineered to handle the toughest materials, including wood, plastic, paper, and cardboard waste.

Engineered for Maximum Efficiency and Longevity

Known for its efficiency, the FIXCUT system is designed to provide maximum output while ensuring a long lifespan. This cutting system is engineered to deliver a distinctive cut that results in greater throughput with less regrind.

The FIXCUT system features a unique design that provides better definition and consistency, resulting in superior cuts in just one pass. Each cutter in the FIXCUT system is offset, creating overlapping cuts that ensure a consistent and precise cutting process. This design efficiently processes materials without leaving any uncut sections. The overlapping feature contributes to a smoother operation, reducing the wear and tear on the system and extending its lifespan.

Cost-Effective and Time-Efficient

One significant advantage of the FIXCUT system is its efficient maintenance strategy. By reducing the frequency of maintenance and part replacements, customers can enjoy substantial savings in both time and money. Instead of replacing entire sets of cutters, they can simply rotate and sharpen specific ones as needed. This approach extends the lifespan of each cutter and ensures that the system operates at peak performance.

Cutting System Components



The FIXCUT cutting system is meticulously designed with several key components that work together to ensure optimal performance and durability. These components include the rotor, stationary cutting bars, cutter holders, and cutters.

High Definition Rotor



One of the most impressive aspects of the FIXCUT system is its main rotor and shaft, meticulously constructed from a single piece of solid steel. This innovative design offers remarkable durability and strength, guaranteeing outstanding performance in even the most challenging environments.

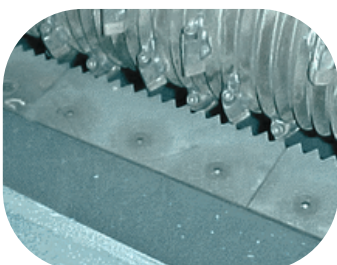
To accommodate different operational requirements, the FIXCUT system offers rotors in various sizes: • 10-inch diameter • 14-inch diameter • 18-inch diameter • 22-inch diameter

High-Definition Recessed Rotor



The rotor is a solid piece of steel featuring recessed cutters that enable closer tolerances for improved efficiency and increased processing of smaller particle sizes. This design allows for better definition and ensures a more consistent product in a single pass.

- Material is transferred to the center and eliminates heat buildup.
- Reduces exposure by countersinking cutter.



The high-definition recess rotor is interchangeable with the same-size rotors as our other Challenger grinders.

Stationary Cutting Bar

The one-foot stationary cutter bars provide a stable base for the cutting action. These bars, combined with the innovative cutter design, enhance the precision and consistency of each cut.



High-Grade Alloy Steel Cutters

The cutters are made from high-grade alloy steel and designed for maximum efficiency and durability. This material choice ensures that the cutters are strong enough to handle even the toughest materials without compromising performance.

Rotating and Sharpening: The cutters are made from high-grade alloy steel and designed for maximum efficiency and durability. This material choice ensures that the cutters are strong enough to handle even the toughest materials without compromising performance. These cutters are designed to wear down rather than shatter enhancing, safety and reliability. To maintain effectiveness, rotate the relatively worn cutters, which helps maximize their lifespan. The edges that wear the most can also be sharpened before rotation.



Variety of Cutters

The FIXCUT system includes a variety of cutter types, including large, small, and cupped cutters. This diversity allows the system to handle various cutting tasks, from large-scale industrial applications to smaller, more precise needs.

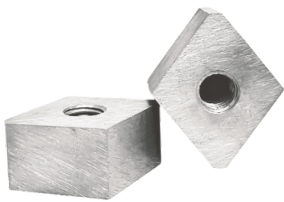
Reference Guide

The information shown is for reference only. For detailed specifications, consult the operating manual. Verify the part number, equipment model, and quantity before placing an order.

CG Models					
Model	Cutters	Holders	Cutter Bolts	Cutterbars	Bolts
CG200-2022-S	29	29	29	2	6
CG200-3020-S	44	44	44	3	9
CG300-2030-S	44	44	44	3	9
CG300-3037-F	58	58	58	3	9
CG300-3037-S	88	88	88	3	9
CG400-3055-F	78	78	78	4	12
CG400-3055-S	118	118	118	4	12
CG400-4045-F-D	117	117	117	4	12
CG400-4045-S-D	177	177	177	4	12
CG500-3055-F	98	98	98	5	15
CG500-3055-S	148	148	148	5	15
CG500-4045-F-D	147	147	147	5	15
CG500-4045-S-D	222	222	222	5	15
CG500-4055-F-D	147	147	147	5	15
CG600-4055-F-D	177	177	177	6	18
CG600-4055-S-D	267	267	267	6	18
CG800-5075-F-D	238	238	238	8	24
CG800-5075-S-D	343	343	343	8	24
CG1000-5057-F-D	267	267	267	267	267
CG1000-5075-S-D	386	386	386	10	30
CGG Models					
CGG100-2018-S	14	14	14	1	3
CGG200-2018-S	29	29	29	2	6

CH Models					
Model	Cutters	Holders	Cutter Bolts	Cutterbars	Bolts
CH100-2015	14	14	14	1	3
CH100-3022-F	18	18	18	1	6
CH100-3022-S	28	28	28	1	3
CH200-3037-F	38	38	38	2	6
CH200-3037-S	58	58	58	2	6
CH200-4045-F	57	57	57	2	6
CH200-4045-S	87	87	87	2	6
CH300-3045-F	58	58	58	2	6
CH300-3045-S	87	87	87	2	6
CH300-4055-F	87	87	87	3	9
CH300-4055-S	132	132	132	3	9
CH400-4045-S-D	172	172	172	4	12
CH400-4090-F	177	177	177	4	12
CH400-4090-S	172	172	172	4	12
CH400-50110-S	227	227	227	4	12
CH500-40110-F	147	147	147	5	15
CH500-40150-F	147	147	147	5	12
CH500-40150-S	222	222	222	5	15
CH500-50150-S	296	296	296	5	15
CH800-3055-S-D	354	354	354	8	24
CH800-40110-S-D	354	354	354	8	24
CHP Models					
CHP100-3018-S	28	28	28	1	3
CHP200-3022-S	58	58	58	2	6
CHP300-3030-S	87	87	87	2	6
CHP400-3045-S	172	172	172	4	12
CHSP Models					
CHSP100-3045-S	28	28	28	1	3
CHSP200-4090-F	57	57	57	2	6
CHSP200-4090-S	87	87	87	87	87
CHSP400-40110-F	117	117	117	4	12
CHSP400-40110-S	172	172	172	4	4
CHSP400-50125-F	147	147	147	4	12
CHSP400-50125-S	177	177	177	4	12

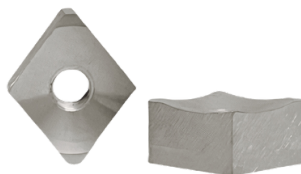
Model	Cutters	Holders	Cutter Bolts	Cutterbars	Bolts
CHSP500-50150-F	147	147	147	147	147
CHSP500-50150-S	296	296	296	4	12
Diesel Models					
CH200-30DP-S	58	58	58	2	6
CHSP200-40DP-F	87	87	87	2	6
CHSP400-50DP-F	117	117	117	4	12
CHSP400-50DP-S	172	172	172	4	12



S-Cutter

Item Code: CT-S
Length: 1.42" Width: 1.20"

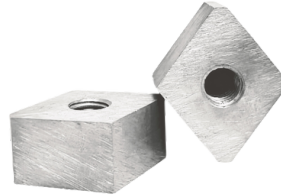
Challenger S and SR
Model Grinders



S-Cupped Cutter

Item Code: CT-S
Length: 1.42" Width: 1.20"

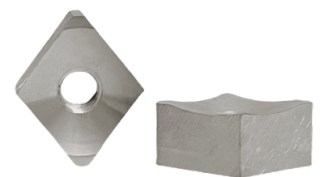
Challenger S and SR
Model Grinders



F-Cutter

Item Code: CT-F
Length: 1.81" Width: 1.53"

Challenger F and FR
Model Grinders



F-Cupped Cutter

Item Code: CT-F
Length: 1.81" Width: 1.53"

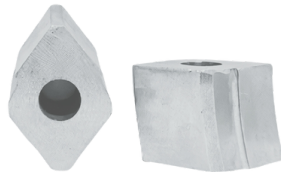
Challenger F and FR
Model Grinders



Delta Cutter

Item Code: CT-DT
Length: 1" Width: 1"

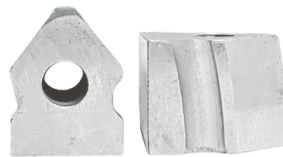
Gross Grinder



S-Cutter Holder

Item Code: CTH-S
Length: 1.258" Width: 0.778"

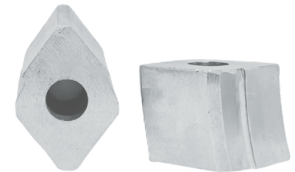
Challenger S
Model Grinders



S-Recessed Cutter Holder

Item Code: CTH-SR
Length: 1.25" Width: 0.889"

Challenger SR
Model Grinders



F-Cutter Holder

Item Code: CTH-F
Length: 1.752" Width: 1.2599"

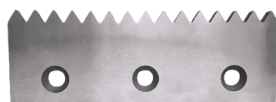
Challenger F
Model Grinders



F-Recessed Cutter Holder

Item Code: CTH-F
Length: 1.752" Width: 1.2599"

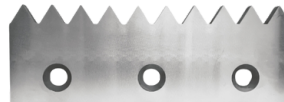
Challenger F
Model Grinders



S-Stationary Cutterbar

Item Code: CTB-S
Length: 12" Teeth: 15

Challenger S and SR
Model Grinders



F-Stationary Cutterbar

Item Code: CTH-FR
Length: 1.64" Width: 1.24"

Challenger F and FR
Model Grinders



S-Cutter Bolt

Item Code: F-10-45-S
Socket Head Cap Screw

S-Cutter and S-Cupped
Cutter



F-Cutter Bolt

Item Code: F-12-50-S
Socket Head Cap Screw

F-Cutter and
F-Cupped Cutter



CG Cutterbar Bolt

Item Code: F-16-50-F
Flat Head Cap Screw

CG Model
Grinder Cutterbar



CH Cutterbar Bolt

Item Code: F-16-60-F
Flat Head Cap Screw

CH Model
Grinder Cutterbar



CHSP Cutterbar Bolt

Item Code: F-16-80-F-FT
Flat Head Cap Screw

CHSP Model
Grinder Cutterbar

Heavy-Duty Componentry

All components are designed with oversized, heavy-duty components that improve durability.

Infeed Rollers

The aggressive top and bottom infeed rollers are designed to manage a consistent material flow, preventing disruptions in the processing line. These rollers can handle various materials, ensuring a steady input into the grinder, which enhances its durability and performance. By maintaining a continuous feed, the top and bottom infeed rollers optimize the grinder's productivity and minimize downtime.



Motors

Challenger grinders are powered by low-speed, high-torque motors that are well-protected and easily accessible for maintenance, significantly reducing downtime. The heavy-duty motors are expertly designed to thrive in the toughest environments. The two-stage start motors enhance power efficiency by reducing energy consumption and minimizing the initial load on your electrical system during startup. We offer an extensive range of replacement main drive, hydraulic, and infeed motors, ensuring you have everything you need for seamless operation.



Rotor Power Lock



B-LOC B112 Series Keyless Bushing

Item Code:
P-100145-B112

Description: B112 – 100 x 145
Power Lock

- Component Bore Diameter: 145mm
- Screw Size: M12 x 80
- Shaft Diameter: 100mm

Item Code:
P-120165-B112

Description: B112 – 120 x 165
Power Lock

- Component Bore Diameter: 165mm
- Screw Size: M12 x 80
- Shaft Diameter: 120mm

Item Code:
P-80120-B112

Description: B112 – 80 x 120
Power Lock

- Component Bore Diameter: 120mm
- Screw Size: M10 x 60
- Shaft Diameter: 80mm

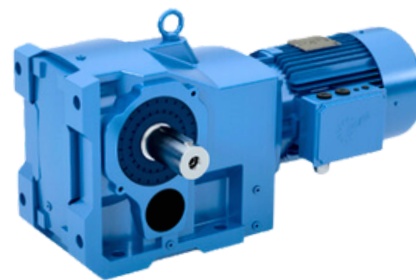
Nord Gearbox

Challenger grinders have been upgraded to feature an energy-efficient, high-torque, helical bevel-style gearbox. Nord gearboxes have a UNICASE design consisting of a heavy-duty, one-piece housing. They also have quadra lip sealing to prevent leaks and enhance overall performance. These gearboxes are well-known for their reliability, durability, and high-quality drive components, requiring minimal maintenance. The UNICASE housing provides exceptional precision, rigidity, and strength. With the proven principles of the UNICASE housing, these helical bevel gear motors offer security, as they require little maintenance and have long life cycles.

Replacement Parts

Maximize the longevity of your Nord geared motors with our comprehensive spare parts supply. We ensure that replacement parts are readily available when you need them. Repairing instead of replacing saves you time and money. Each Nord Gearing gearbox is custom-built to meet your specific needs. With your gearbox serial number, we can quickly identify the exact specifications necessary for your current equipment.

Upgrades are also available to retrofit existing grinders with Nord gearboxes.



Centrifugal Fluid Clutch

The centrifugal fluid clutch is essential for Challenger grinders, protecting the machine and ensuring smooth operation. It transmits power from the motor to the rotor and stops the main drive motor if the rotor encounters a significant object, preventing damage. The hydraulic fluid-based design allows for smoother torque transfer, reducing wear. The centrifugal fluid clutch enhances the safety and reliability of the machine while contributing to efficient and uninterrupted operation.

Transfluid Coupling

Item Code	Size	Series	Pulley
CL-13CKSD	13	Transfluid CK Series	CKSD
CL-15CKSD	15	Transfluid CK Series	CKSD
CL-15CKSI	15	Transfluid CK Series	CKSI

Replacement Parts

To ensure optimal and timely maintenance of your coupling, it is important to keep spare parts readily available, especially those prone to wear and tear. Repairing your coupling instead of replacing it can save both time and money. Extend the life of your clutch with our supply of replacement parts.

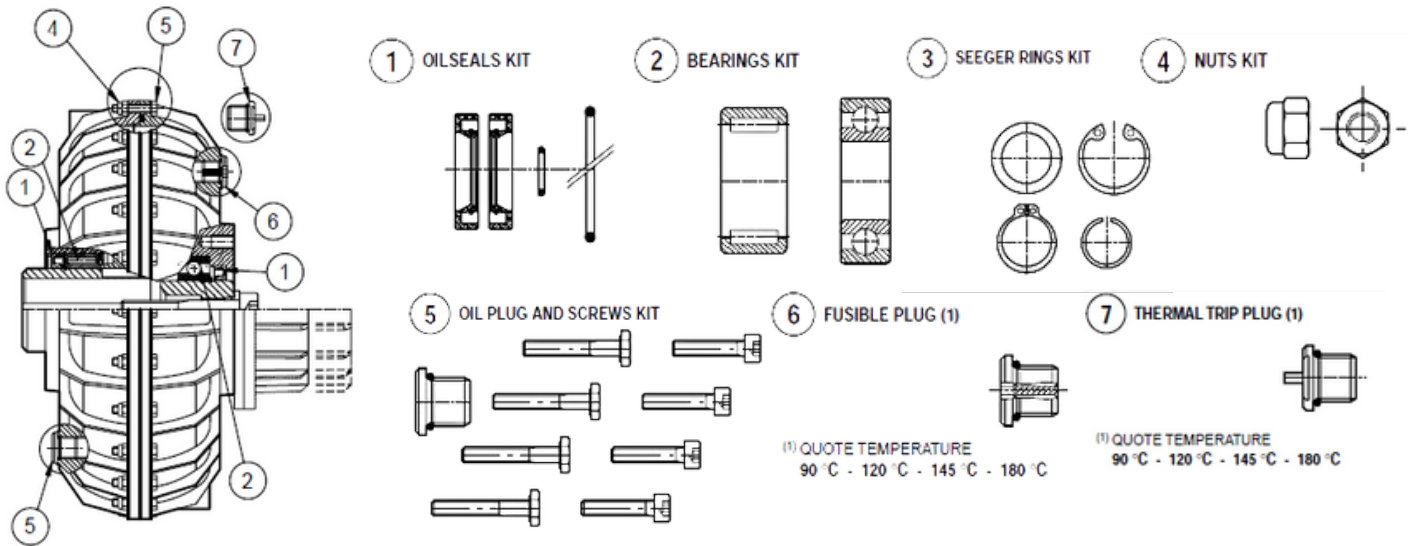


Rotofluid Coupling

Item Code	Size	Series	Type	Pulley
CL-SCFJ155	55	Rotofluid Beta	SCF	J 155
CL-SCFJA155	55	Rotofluid Beta	SCF	JA 155

Replacement Part Kits

To order replacement parts kits, please specify the size and code of the coupling. To order fusible plugs and trip plugs, please also specify the intervention temperature.



Fludex Coupling

Item Code	Size	Series	Type
CL-FAR342	342	Fludex FA Series	FAR
CL-FAR395	395	Fludex FA Series	FAR



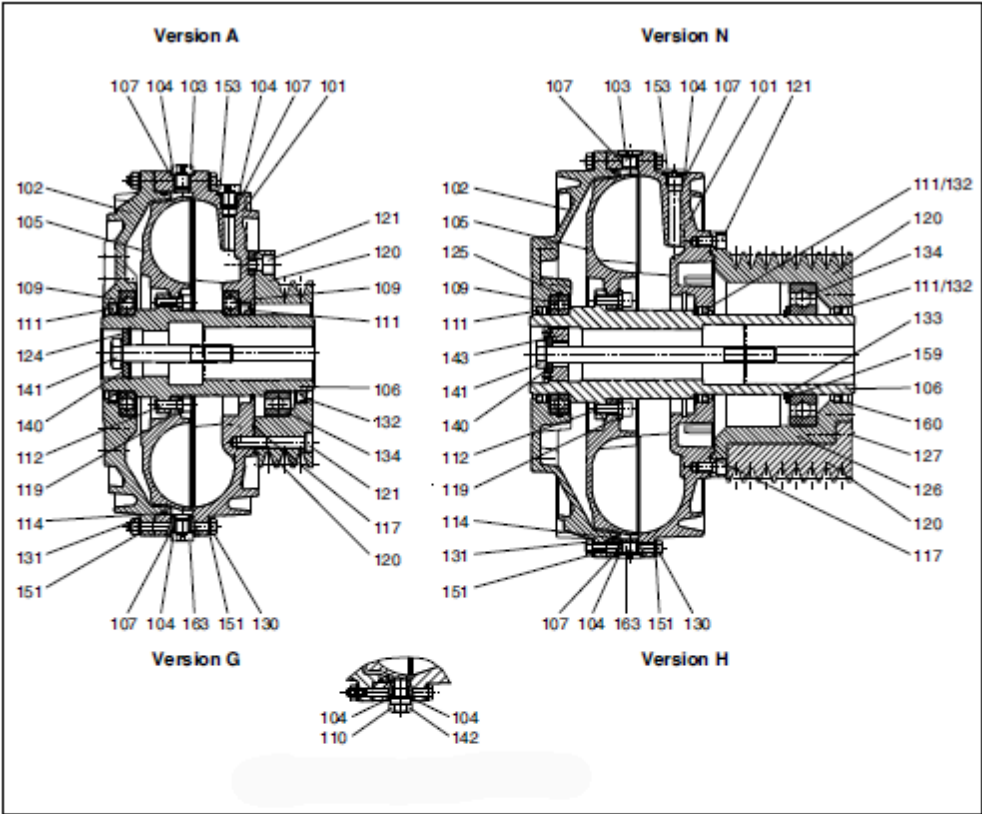
Fusible Safety Plug



The fusible safety plug serves as an overload protection valve for hydraulic couplings, activating when the oil in the chamber reaches a critical temperature. When placing an order, specify the fusing temperature of the fusible safety plug, which is stamped on the plug.

Item Code: CL-BOP

Replacement Parts

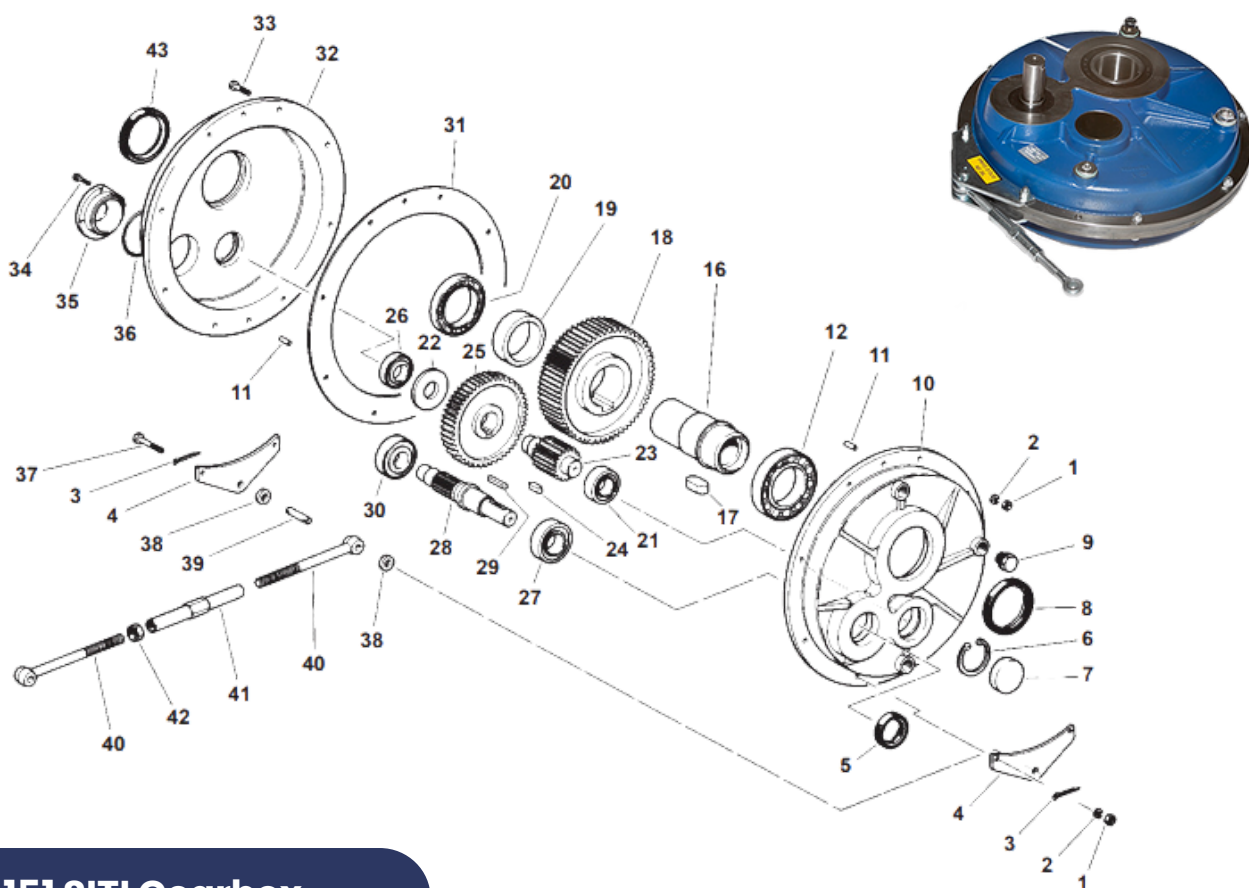


No.	Description
101	Blade Shell
102	Cover
103	Fusible Safety Plug
104	Sealing Ring
105	Bucket Wheel
106	Hollow Shaft
107	Threaded Insert
109	Rolling Bearing
110	Thermal Circuit-Breaker
111	Shaft-Sealing Ring
112	Cheese-Head Bolt
114	O-Ring

No.	Description
117	Sealing Thread
119	Retaining Ring
120	V-Belt Pulley
121	Cheese-Head Bolt
121	Locking Ring
125	O-Ring
126	Sleeve Flange
127	Cheese-Head Bolt
130	Hexagon-Head Bolt
131	Hexagon Nut
132	Shaft-Sealing Ring

No.	Description
133	Locking Ring
134	Rolling Bearing
140	Locking Plate
141	Retaining Screw
142	EOC Transmitter
143	Threaded Bush
151	Washer
153	Filling Plug
159	Support Disk
160	Circlip
163	Screw Plug

SITI Gearbox Rebuilt Kit



151 SITI Gearbox

Replacement Bearings

Number	Item Code	Description	Bore Diameter	Outside Diameter	Width
12	BR-6018	6018 Ball Bearing	90	140	24
20	BR-16018	16018 Ball Bearing	90	140	16
21	BR-33207	33207 Tapered Roller Bearing	35	72	28
26	BR-30305	30305 Tapered Roller Bearing	25	62	18.25
27	BR-32209	32209 Tapered Roller Bearing	45	85	24.75
30	BR-30306	30306 Tapered Roller Bearing	32	72	20.75

Replacement Seals

Number	Item Code	Description	Inner Diameter	Outside Diameter	Width
5	SE-45-65-10	45 x 65 x 10 Oil Seal	45	65	10
8	SE-90-120-12	90 x 120 x 12 Oil Seal	90	120	12
43	SE-90-120-12	90 x 120 x 12 Oil Seal	90	120	12

181 SITI Gearbox

Replacement Bearings

Number	Item Code	Description	Bore Diameter	Outside Diameter	Width
12	BR-6022	6022 Ball Bearing	110	170	28
20	BR-16022	16022 Ball Bearing	110	170	19
21	BR-32307	32307 Tapered Roller Bearing	35	80	32.75
26	BR-30307	30307 Tapered Roller Bearing	35	90	22.75
* 27	BR-32210	32210 Tapered Roller Bearing	50	90	24
* 27	BR-30210	30210 Tapered Roller Bearing	50	90	21.75
30	BR-30307	30307 Tapered Roller Bearing	35	80	22.75

Replacement Seals

Number	Item Code	Description	Inner Diameter	Outside Diameter	Width
5	SE-55-90-10	55 x 90 x 10 Oil Seal	55	90	10
8	SE-110-150-13	110 x 150 x 13 Oil Seal	110	150	13
43	SE-110-150-13	110 x 150 x 13 Oil Seal	110	150	13

221 SITI Gearbox

Replacement Bearings

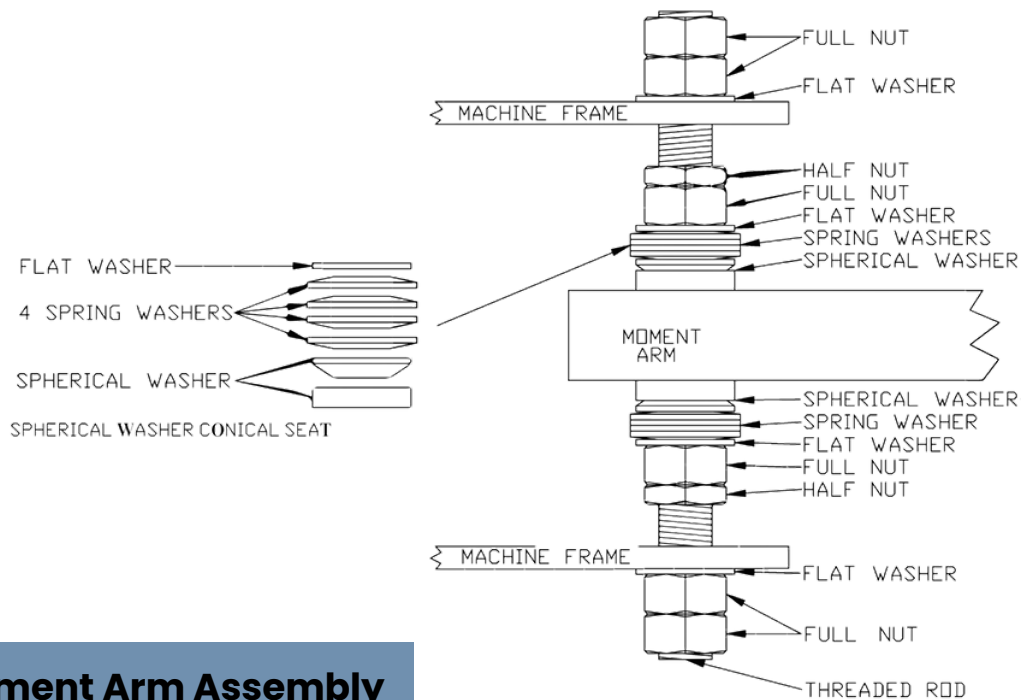
Number	Item Code	Description	Bore Diameter	Outside Diameter	Width
12	BR-6026	6026 Ball Bearing	130	200	33
20	BR-16026	16026 Ball Bearing	130	200	22
21	BR-32308	32308 Tapered Roller Bearing	40	90	35.25
26	BR-30308	30308 Tapered Roller Bearing	40	90	25.25
27	BR-32211	32211 Tapered Roller Bearing	55	100	26.75
* 30	BR-32011	32011 Tapered Roller Bearing	55	90	23
* 30	BR-32308	32308 Tapered Roller Bearing	40	90	25.25

Replacement Seals

Number	Item Code	Description	Inner Diameter	Outside Diameter	Width
5	SE-55-90-13	55 x 90 x 13 Oil Seal	55	90	13
8	SE-130-170-12	130 x 170 x 12 Oil Seal	130	170	12
43	SE-130-170-12	130 x 170 x 12 Oil Seal	130	170	12

* Some gearboxes have alternative bearing and seals

Moment Arm



M24 Moment Arm Assembly

Description	Quantity
M24 Hex Nut	6
M24 Flat Washer	4
M24 Hex Jam Nut	2
M24 Disc Spring Washer	8
M24 Spherical Washer	2
M24 Spherical Washer Conical Seat	2
M24 Threaded Rod - 13" Length	1

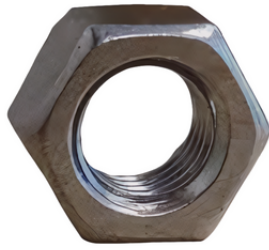


M30 Moment Arm Assembly

Description	Quantity
M30 Hex Nut	6
M30 Flat Washer	4
M30 Hex Jam Nut	2
M30 Disc Spring Washer	8
M30 Spherical Washer	2
M30 Spherical Washer Conical Seat	2
M30 Threaded Rod - 13" Length	1

M36 Moment Arm Assembly

Description	Quantity
M36 Hex Nut	6
M36 Flat Washer	4
M36 Hex Jam Nut	2
M36 Disc Spring Washer	8
M36 Spherical Washer	2
M36 Spherical Washer Conical Seat	2
M36 Threaded Rod - 13" Length	1



SKU: F-M24-HN
M24 Hex Nut

SKU: F-M30-HN
M30 Hex Nut

SKU: F-M36-HN
M36 Hex Nut



SKU: F-M24-SPH
M24 Spherical Washer

SKU: F-M30-SPH
M30 Spherical Washer

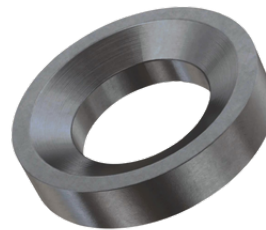
SKU: F-M36-SPH
M36 Spherical Washer



SKU: F-M24-W
M24 Flat Washer

SKU: F-M30-W
M30 Flat Washer

SKU: F-M36-W
M36 Flat Washer



SKU: F-M24-SCS
M24 Spherical Washer
Conical Seat

SKU: F-M30-SCS
M30 Spherical Washer
Conical Seat

SKU: F-M36-SCS
M36 Spherical Washer
Conical Seat



SKU: F-M24-JN
M24 Hex Jam Nut

SKU: F-M30-JN
M30 Hex Jam Nut

SKU: F-M36-JN
M36 Hex Jam Nut



SKU: TD-M24
M24 Threaded Rod

SKU: TD-M30
M30 Threaded Rod

SKU: TD-M36
M36 Threaded Rod



SKU: F-M24-SPR
M24 Disc Spring Washer

SKU: F-M30-SPR
M30 Disc Spring Washer

SKU: F-M36-SPR
M36 Disc Spring Washer



SKU: MA-151
151 Moment Arm

SKU: MA-181
181 Moment Arm

SKU: MA-221
221 Moment Arm

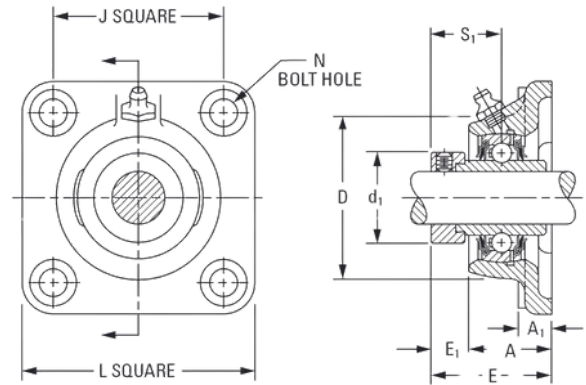
Bearings

Replacement bearings for key components of Challenger grinders, such as the main rotor, infeed pivot, top infeed, and bottom infeed drive bearings, are readily available. Prioritizing regular maintenance and timely replacement of these bearings is crucial for their performance. By ensuring that all components are in top condition, you can maximize the efficiency and reliability of your equipment.

For detailed specifications, consult the operating manual. Before ordering, please verify the part number, equipment model, and quantity. Additionally, measurements of the bearing dimensions should be taken.

Here is a list of common bearings for our Challenger grinders. Please note that this list does not include all available bearings. If you cannot find the bearing you need, feel free to reach out to us. We are here to assist you in finding the right replacement bearing.

L - Total Length
J - Bolt Hole Spacing
N - Bolt Hole Size



A - Housing Width
A1- Flange Thickness

Bearing	Size	Description
FWS-212-39A	2-7/16"	Four-Bolt Flanged Bearing
FWS-214-70A	70mm	Four-Bolt Flanged Bearing
GE-50-KRR-B	50mm	Ball Insert Bearing
GE-50-KRR-BS	50mm	Ball Insert Bearing
GE-70-KRR-B	70mm	Ball Insert Bearing
GE-70-KRR-BS	70mm	Ball Insert Bearing
GE-80-KRR-B	80mm	Ball Insert Bearing
GE-80-KRR-BS	80mm	Ball Insert Bearing
GE-100-KRR-B	80mm	Ball Insert Bearing
GE-100-KRR-BS	100mm	Ball Insert Bearing
GNE-100-KRR-B	100mm	Ball Insert Bearing
OWF-207-20A	1-1/4"	Two-Bolt Flanged Bearing
OWF-207-35A	35mm	Two-Bolt Flanged Bearing
OWF-208-24	1-1/2"	Two-Bolt Flanged Bearing
RCJ-50	50mm	Four-Bolt Flanged Bearing
RCJO-50	50mm	Four-Bolt Flanged Bearing
RCJ-70	70mm	Four-Bolt Flanged Bearing

Bearing	Size	Description
RCJO-70	70mm	Four-Bolt Flanged Bearing
RCJ-80	80mm	Four-Bolt Flanged Bearing
RCJO-80	80mm	Four-Bolt Flanged Bearing
RCJO-80S	80mm	Four-Bolt Flanged Bearing
RCJ-100	100mm	Four-Bolt Flanged Bearing
RCJO-100	100mm	Four-Bolt Flanged Bearing
RCJO-100S	100mm	Four-Bolt Flanged Bearing
RCJ-120	120mm	Four-Bolt Flanged Bearing
RCJO-120	120mm	Four-Bolt Flanged Bearing
RCJO-120S	120mm	Four-Bolt Flanged Bearing
SW-212-39A	2-7/16"	Pillow Block Bearing
UCF-208-24	1-1/2"	Four-Bolt Flanged Bearing
UCF-214-70	70mm	Four-Bolt Flanged Bearing
UCF-320-100	100mm	Four-Bolt Flanged Bearing
UCF-320-64	4"	Four-Bolt Flanged Bearing
UCF-326-130	130mm	Four-Bolt Flanged Bearing
WS-212-39A	2-7/16"	Take Up Bearing

Belts and Pulleys

V-Belts

V-belts are designed to fit into V-shaped grooves of pulleys, helping transmit rotational power. Their performance depends on the proper fit within the groove and the correct tension. Over time, V-belts can wear out and require replacement. We offer various V-belts for easy replacement. If you're unsure about the stock codes, consult the parts breakdown section for the schematic.

Metric V-Belt

The belts are categorized based on their cross-section dimensions and features that affect their performance according to the European standard DIN 7753 and ISO 4184. Cogged metric V-belts have an "XP" designation, while non-cogged ones have an "SP" designation.

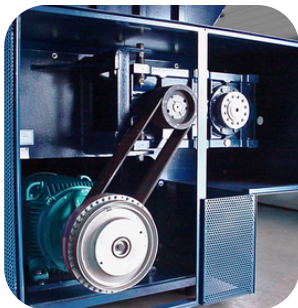
Types of Metric V-Belts

- SPA metric V-belts have a top width of 13mm and a thickness of 10mm.
- SPZ metric V-belts have a top width of 10mm and a thickness of 8mm.
- SPB metric V-belts have a top width of 16mm and a thickness of 13mm.
- SPC metric V-belts have a top width of 22mm and a thickness of 18mm.
- XPZ metric V-belts are cogged with a top width of 10mm and a thickness of 8mm.
- XPA metric V-belts are cogged with a top width of 13mm and a thickness of 10mm.
- XPB metric V-belts are cogged with a top width of 16mm and a thickness of 13mm.
- XPC metric V-belts are cogged with a top width of 22mm and a thickness of 18mm.



For detailed specifications, please refer to the operating manual. Before placing an order, ensure that you verify the part number, equipment model, and quantity.

Below is a list of common V-belts for our Challenger grinders. Please note that this list does not include all available belts. If you cannot find the specific belt you need, don't hesitate to contact us. We are here to help you find the right replacement belt.



Item Code	Item Code	Item Code	Item Code
SPB-1410	SPB-2280	SPC-3000	XPB-2240
SPB-1500	SPB-2410	SPC-3150	XPB-2280
SPB-1600	SPB-2500	XBP-1410	XPB-2410
SPB-1700	SPB-2530	XPB-1500	XPB-2500
SPB-1800	SPB-2650	XPB-1600	XPB-2530
SPB-1900	SPB-2800	XPB-1700	XPB-2650
SPB-2000	SPB-4000	XPB-1800	XPB-2800
SPB-2020	SPB-4040	XBP-1900	XPB-4000
SPB-2060	SPC-2410	XPB-2000	XPC-2650
SPB-2120	SPC-2650	XPB-2020	XPC-2800
SPB-2240	SPC-2800	XPB-2120	XPC-3000

Standard V-Belts

Standard V-belts are identified with a "V" and have a smaller top width and a deeper profile. This design enables them to transfer higher power and performance features.

Cogged V-belts, on the other hand, are identified with an "X" and have grooves across the width of the belt. The Association for Rubber Products Manufacturers (ARPM) established category designations for these standards and cogged V-belts based on their cross-sectional dimensions.

Types of Standard V-Belts

- 3V section V-belts have a wedge design, a top width of 3/8", and a thickness of 5/16".
- 3VX section V-belts have a wedge, cogged design and a top width of 3/8" and a thickness of 5/16"
- 5V section V-belts have a wedge design, a top width of 5/8", and a thickness of 17/32".
- 5VX section V-belts have a wedge, cogged design, a top width of 5/8", and a thickness of 17/32".

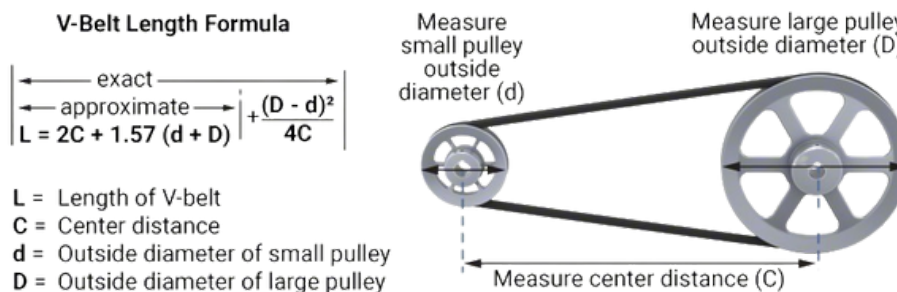
For detailed specifications, please refer to the operating manual. Before placing an order, ensure that you verify the part number, equipment model, and quantity.

Below is a list of common V-belts for our Challenger grinders. Please note that this list does not include all available belts. If you cannot find the specific belt you need, don't hesitate to contact us. We are here to help you find the right replacement belt.

Item Code	Item Code	Item Code	Item Code
5V-560	5V-1000	5VX-730	5VX-850
5V-670	5V-2650	5VX-740	5VX-900
5V-750	5VX-630	5VX-750	5VX-950
5V-900	5VX-670	5VX-800	5VX-1000

How to Find the Right V-Belt

Identifying the right V-belt or replacing a worn one can be challenging. Start by checking for the industry number on the side of the V-belt, which indicates the section category (cross-sectional dimensions) and outside length. If it's not visible, measure the top width, thickness, and outside length with a V-belt rule or cloth tape. Another way to determine the required outside length is to wrap a string around the pulley system inside the grooves, cut it where it meets, and measure the length. For a more precise outside length measurement, follow the calculation below:



V-Belt Pulley

V-belt pulleys can wear out over time and may need replacement. We offer a variety of pulleys to simplify the replacement process.



If you're unsure about the stock code numbers you require, please refer to the parts breakdown section for the correct schematic. V-belt pulleys can wear out over time and may need replacement. We offer a variety of pulleys to simplify the replacement process. If you're unsure about the stock code numbers you require, please refer to the parts breakdown section for the correct schematic.

The fundamental V-belt pulleys include Taper Lock SPZ, SPA, SPB, and SPC models. These pulleys are designed according to the ISO 4183 (DIN 2211) standard. V-belt pulleys are compatible with V-belts and transmit mechanical rotating power to a shaft. The V-shaped grooves in a V-belt pulley maximize friction and torque in a drive system, effectively preventing slippage and misalignment.

Pulley Code Description

Example: SPB-224/7-3020

Code Part	Description
SPB	Profile
224	Nominal Diameter of Pulley
7	Number of Grooves
3020	Type of Taper Bushing

Pulley Code Description

Example: 6-5V-7.5

Code Part	Description
6	Number of Grooves
5V	Profile
7.5	Outside Diameter

Pulley Code Description

Example: 8-5V-9.0-3535

Code Part	Description
8	Number of Grooves
5V	Profile
9.0	Outside Diameter
3535	Type of Taper Bushing

Pulley Basic Profile

- Pulley SPZ for belts SPZ, XPZ, 3V, 3VX, Z, ZX, 10
- Pulley SPA for belts SPA, XPA, A, AX, 13
- Pulley SPB for belts SPB, XPB, 5V, 5VX, B, BX, 17
- Pulley SPC for belts SPC, XPC, C, CX, 22

For detailed specifications, please refer to the operating manual. Before placing an order, verify the part number, equipment model, and quantity.

Below is a list of common V-pulleys for our Challenger grinders. Please note that this list does not include all available pulleys. Don't hesitate to contact us if you cannot find the specific pulley you need. We are here to help you find the right replacement pulley.

Item Code	Item Code	Item Code	Item Code
6-5V-7.5	SPB-160/3-2517	SPB-224/7-3020	SPB-630/8-5050
6-5V-9.0	SPB-160/4-2514	SPB-224/8-3535	SPC-160/4-2517
8-5V-9.0	SPB-160/4-2517	SPB-225/15-3020	SPC-200/6-3535
8-5V-9.25	SPB-160/5-2517	SPB-250/8-3535	SPC-200/8-3535
8-5V-37.5	SPB-160/6-3020	SPB-400/6-3525	SPC-200/8-5050
8-5V-9.0-3535	SPB-170/8-3030	SPB-400/8-4040	SPC-530/6-4040
8-5V-14.0-4040	SPB-200/6-3535	SPB-500/3-3535	SPC-530/6-4545
SPB-125/3-2012	SPB-224/5-3020	SPB-500/4-3535	SPC-530/6-5050
SPB-125/5-3020	SPC-224/6-3535	SPB-500/6-4040	SPC-530/8-5050

Taper Lock Bushing

Taper lock bushings can wear out and may need replacement over time. We offer a variety of bushings for easy replacements. If you're unsure about the stock code numbers, please check the parts breakdown section for the correct schematic.

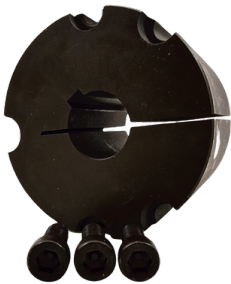
These bushings attach pulleys to shafts, securing them while minimizing vibration to extend the life of hubs and shafts.

Designed with a keyway that locks the pulleys in place, taper lock bushings feature a split barrel for easier installation and removal. Their non-flanged design allows for a flush mount with the pulley.

Bushing Code Description

Example: 2517/42

Code Part	Description
2517	Type of Bush
42	Size of Inner Hole



For detailed specifications, please refer to the operating manual. Before placing an order, verify the part number, equipment model, and quantity.

Below is a list of common bushings for our Challenger grinders. Please note that this list does not include all available bushings. Don't hesitate to contact us if you cannot find the specific bushing you need. We are here to help you find the right replacement.

Item Code	Item Code	Item Code	Item Code
1610/28	2517/1-7/8"	3020/75	3535/2-1/8"
1610/35	2517/2-7/16"	3525/100	3535/2-3/8"
2012/42	3020/42	3535/42	3535/3-3/8"
2514/42	3020/48	3535/48	4040/80
2517/35	3020/60	3535/60	4040/90
2517/38	3020/65	3535/65	4040/100
2517/42	3020/70	3535/70	4040/110
2517/48	3020/2-1/2"	3535/80	4545/100
2517/55	3020/2-7/16"	3535/1-1/2"	5050/100
2517/60	3022/55	3535/2-1/2"	5050/120

Plastic Slide

It's important to check the sliders on both sides of the ram each week and remove any excess dust or debris from the runners. If you need to replace the Nytralon NSM plastic slide strips, they are sold by the inch and can be cut to your desired length. Be sure to measure your equipment before placing an order. Please note that UPS ground packages can be up to 108 inches long.

Item Code	Description
SD-382NS	1" x 2" x 3/8" Nytralon NSM Plastic Slide
F-M6-16-F	M6 x 16 x 10.9 Flat Head Cap Screw

Reference Guide

The information shown is for reference only. For detailed specifications, consult the operating manual. Before placing an order, verify the part number and equipment model and measure the grinder for length requirements.

Model	Total	Bolts
CG200-2022-S	108"	28
CG200-3020-S	191.5"	38
CG300-2030-S	191.5"	38
CG300-3037-F	174'	28
CG300-3037-S	174"	28
CG400-3055-F	262"	52
CG400-3055-S	262"	52
CG400-4045-F-D	233'	52
CG400-4045-S-D	233"	26
CG500-3055-F	355"	58
CG500-3055-S	335'	58
CG500-4045-F-D	319"	58
CG500-4045-S-D	319"	58
CG500-4055-F-D	319"	58
CG600-4055-F-D	332"	60
CG600-4055-S-D	332"	60
CG1000-5075-F-D	663"	127
CG1000-5075-S-D	663"	127



Infeed Lid Plastic

Item Code	Description
SD-34612	3/4" x 6" x 12" Plastic
F-M8-30-F	M8 x 30 x 10.9 Flat Head Cap Screw

Screens

The grinding system can be customized to meet the customer's desired product. This is achieved through varying screen sizes ranging from 3/8 inch to 2 1/2 inch holes. This versatility allows for the production of various products with different textures and consistencies.

The screens are designed in one-foot sections, adding structural strength and enhancing ease of handling. Additionally, this sectional design simplifies servicing the rotors and cutters. With individual sections, maintenance and repairs can be conducted more efficiently, reducing downtime.



Item Code	Description
SR-10	10" Diameter Screen
SR-14	14" Diameter Screen
SR-18	18" Diameter Screen
SR-22	22" Diameter Screen

Baffled Style Screens

Baffled-style screens are available for customers requiring a very fine and consistent product, such as animal bedding. These screens further refine the grinding process, producing a uniform output that meets specific customer requirements.



Item Code	Description
SR-10-B	10" Diameter Screen with Baffles
SR-14-B	14" Diameter Screen with Baffles
SR-18-B	18" Diameter Screen with Baffles
SR-22-B	22" Diameter Screen with Baffles

Reference Guide

The information shown is for reference only. For detailed specifications, consult the operating manual. Verify the part number, equipment model, and quantity before placing an order.

Model	Diameter	Quantity
CG200-20	10	2
CG300-20	10	3
CG300-30	14	3
CG400-30	14	4
CG400-40	18	4
CG500-30	14	5
CG500-40	18	5
CG600-40	18	6
CG800-50	22	8
CG1000-50	22	9
CGG100-20	10	1
CGG200-20	10	2

Model	Diameter	Quantity
CH100-20	10	1
CH100-30	14	1
CH200-30	14	2
CH200-40	18	2
CH300-30	14	2
CH300-40	18	3
CH400-40	18	4
CH400-50	22	4
CH500-40	18	5
CH500-50	22	5
CH800-30	14	8
CH800-40	18	8

Model	Diameter	Quantity
CHSP100-30	14	1
CHSP200-40	18	2
CHSP400-40	18	4
CHSP400-50	22	4
CHSP500-50	22	4

Model	Diameter	Quantity
CHP100-30	14	1
CHP200-30	14	2
CHP300-30	14	2
CHP400-30	14	4

Control Panel

Automated Control Panels for Maximum Efficiency

Our control panels are built with state-of-the-art Siemens controls for seamless automation and customization.

- **Full Automation:** Our control panels enable complete automation of your processes, offering a streamlined approach to managing your operations.
- **Customization:** The panels can be tailored with various options to meet your requirements. They can be fine-tuned to maximize output efficiency across different material types.
- **Variable Speed Infeed Drive:** This feature enables precise sizing of end products, enhancing overall efficiency and product quality.



Control Panel Upgrades

Klockner Moeller control systems have been discontinued, and replacement parts are no longer available. Malfunctions can lead to significant interruptions, negatively impacting productivity.

Retrofit Options for Existing Grinders

Customers are highly recommended to upgrade to the currently supported Siemens control panel, as relying on an outdated control system poses a significant risk. Upgrading can be done through retrofitting Siemens control panels into existing grinders, minimizing disruption and expense.

Benefits of Upgrading to Siemens Control Panels

- **Reliability and Support:** Siemens is a leading provider of industrial automation, ensuring continuous support and a steady supply of parts.
- **Enhanced Performance:** Improved operational efficiency with advanced functionalities.

Be proactive in upgrading your control systems to prevent unexpected failures and costly downtimes, ensuring your operations remain efficient and competitive. Investing in a Siemens control panel upgrade ensures that your operations remain efficient and reliable.

Replacement Parts

Below is a list of common replacement parts for our Challenger grinder control panels. Please note that this list does not include all available parts. Feel free to contact us if you need assistance sourcing or replacing any panel components.

Item Code	Description
700-HA33A2	Allen Bradley Relay
700-HHF62Z24	Allen Bradley Relay
700-HN126	Allen Bradley Relay Socket
700-HN100	Allen Bradley Relay Socket



PUA01CB23500V	Carlo Gavazzi Current Monitoring Relay
A82-10100	Carlo Gavazzi Current Transformer
A82-1025	Carlo Gavazzi Current Transformer
A82-10250	Carlo Gavazzi Current Transformer
A82-10500	Carlo Gavazzi Current Transformer
MI20	Carlo Gavazzi Current Transformer
MI100	Carlo Gavazzi Current Transformer
MI500	Carlo Gavazzi Current Transformer
RD0605-D	Carlo Gavazzi Solid State Relay
UDM35	Carlo Gavazzi Digital Panel Meter
E42DIR1260	Eaton Elapsed Time Meter
MDL-10-R	Eaton Electronics 10 Amp Fuse
MDL-2-R	Eaton Electronics 2 Amp Fuse
CCMR03.5	Littelfuse 3.5 Amp Fuse
FLM04.5	Littelfuse 4.5 Amp Fuse
FLM008	Littelfuse 8 Amp Fuse
FLM010	Littelfuse 10 Amp Fuse
ATQR1	Mersen 1 Amp Fuse
ATQR10	Mersen 10 Amp Fuse
ATQR8	Mersen 8 Amp Fuse
SS300-AD-24	Murphy Speed Switch
341I-1000	Redington Hour Meter
8501XDO40V53	Schneider Electric NEMA Control Relay
9050JCK70V240V	Schneider Electric Timing Relay
51X120	Time Mark Monitor Socket
A257B	Time Mark Relay



We maintain a complete inventory of replacement parts, including a wide range of control panel components for all models. Our comprehensive selection is designed to meet all your control panel needs.

The component list includes:

- Circuit Breakers, Surge Suppressors, and Fuses
- Power Supply and Distribution
- Motor Drives, Programmable Logic Controllers, and Variable Frequency Drives
- Terminal Blocks, Relays, and Contactors
- HMI
- Transformers



Programming Your Replacement Discontinued PLC

Programmable Logic Controllers (PLCs) are crucial for automation and industrial control systems. However, as technology advances, specific PLC models are discontinued, posing challenges for many facilities that need to

replace or upgrade their systems.

Programmable Logic Controllers (PLCs) are crucial for automation and industrial control systems. However, as technology advances, specific PLC models are discontinued, posing challenges for many facilities that need to replace or upgrade their systems. Customers may find replacement PLCs from third-party overstock suppliers. We offer programming services to help transition your operations with a replacement PLC. Our programming services provide a comprehensive solution for seamlessly integrating a new PLC into your operations.

Complete a PLC Program Form and submit it to support@agripowermanufacturing.com. You'll get a confirmation to print and send with your hardware to AgriPower Manufacturing at 230 State Street, Saint Marys, PA 15857. We'll reprogram your hardware and ship it back using the method and account number from the PLC Return Form.

Model	Model
AXIS-20MR-ES	AXIS-30MR-ES
AXOS-20MR-ES	AXOS-30MR-ES
FXOS-20MR-ES	FXO-30MR-ES
FXO-20MR-ES	FXOS-30MR-ES

Leveling Mounts



Item Code	Description	MPN
FP-R6	6" Leveling Foot Mount	VLM-6
FP-R3	3" Leveling Foot Mount	VLM-3

Nylon Strip Brush



Item Code	Description
SFD109BL	8' Brush Holder
XTD480CLA	8' Nylon Brush

Bottom Infeed Sprocket and Chain

Item Code	Description
CH-35D	#35 Double Chain
CH-35D-ML	#35 Double Chain Master Link
CH-40D	#40 Double Chain
CH-40D-ML	#40 Double Chain Master Link

Item Code	MPN	Description	Chain
SK-D35BTB32H	D35BTB32H	Double, 1610 Bushed Sprocket	#35
SK-D40BTB19H	D40BTB19H	Double, 1210 Bushed Sprocket	#40
SK-D40BTB23H	D40BTB23H	Double, 1610 Bushed Sprocket	#40
SK-D40CTB42H	D40CTB42H	Double, 2517 Bushed Sprocket	\$40



Our Systems

AgriPower Manufacturing designs and manufactures high-quality systems that convert waste into energy. Our systems use forest residues, various biomass sources, and municipal solid waste (MSW) as fuel to generate affordable electrical power and thermal energy on-site, both on-grid and off-grid. These modular and transportable systems are especially beneficial for locations with high hot water, heated air, and steam demand, where traditional production methods would be costly.

Thermal Combustion Units produce warm air, hot water, and steam and will meet or exceed all EPA standards. Each system can process 1 to 60 tons of waste per day in an environmentally friendly manner, producing between 500,000 and 25,000,000 BTUs per hour (net) of heat energy.

Building on our proven Heat-Only systems, we are excited to introduce a new product engineered explicitly for the Combined Heat and Power (CHP) market. With the combination of a custom-designed waste heat steam boiler and a state-of-the-art, high-efficiency, steam-powered electric generator, our Combined Heat and Power Systems can generate from 100 kW to 7.5 MW (gross) and from 75 kW to 7.0 MW (net) of continuous, low-cost electric power by combusting 12 to 300 tons of suitable waste per day.

Benefits

Extended Burn Chamber

An added secondary chamber extends the dwell time of the combustion gases for up to 1.3 seconds at high temperatures. This added dwell time facilitates additional combustion of unwanted particulate and helps prevent gas emissions.

Completely Automated Combustion Processes

Our systems are controlled by Variable Frequency Controls (VFDs) to regulate feed rates, control temperatures, and meet load demands. Create the most efficient and cleanest combustion process possible while controlling fuel costs.

Combust a Wide Variety of Fuels

Utilize fuels with varying moisture and ash content, including agricultural and forest waste, wood, cardboard, and a diverse range of other waste materials.

Effective & Clean Automatic Deash System

No ramp-down or burn-down processes significantly increase the system's operating hours. Additionally, ash can be easily and safely emptied without disrupting operations.

Modular Design

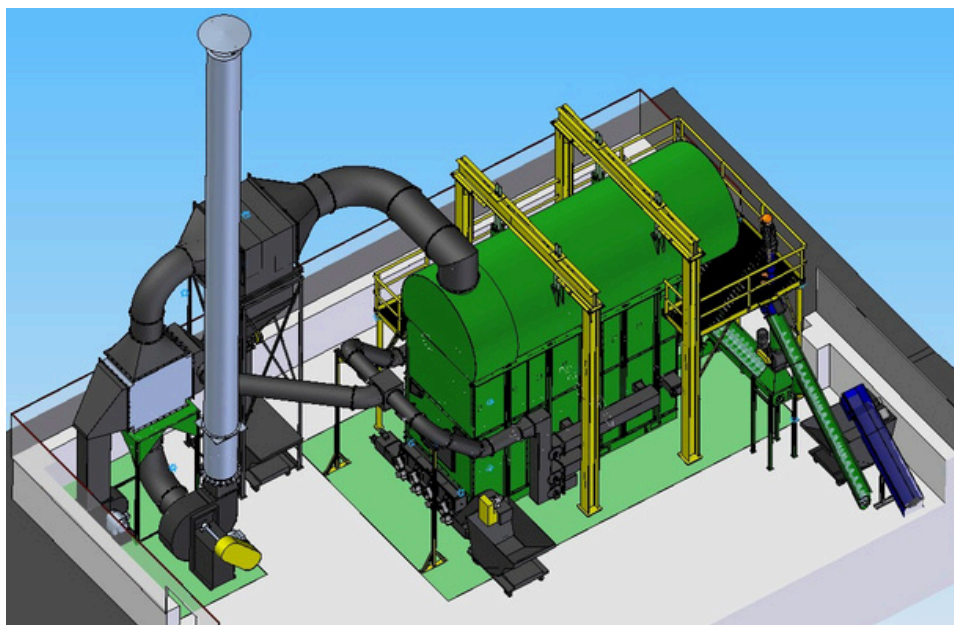
Our modular design reduces installation time and minimizes footprint. Additionally, it allows for various flexible layouts and accommodates different building site dimensions.

Cast Refractory

Cast refractory construction provides a strong seal within the firebox, ensuring years of operation. Additionally, the cast refractory allows for easy repairs and replacement of parts when necessary.

Remote Monitoring

We provide comprehensive support through our off-site control package, assisting you remotely with any questions or troubleshooting needs you may have.



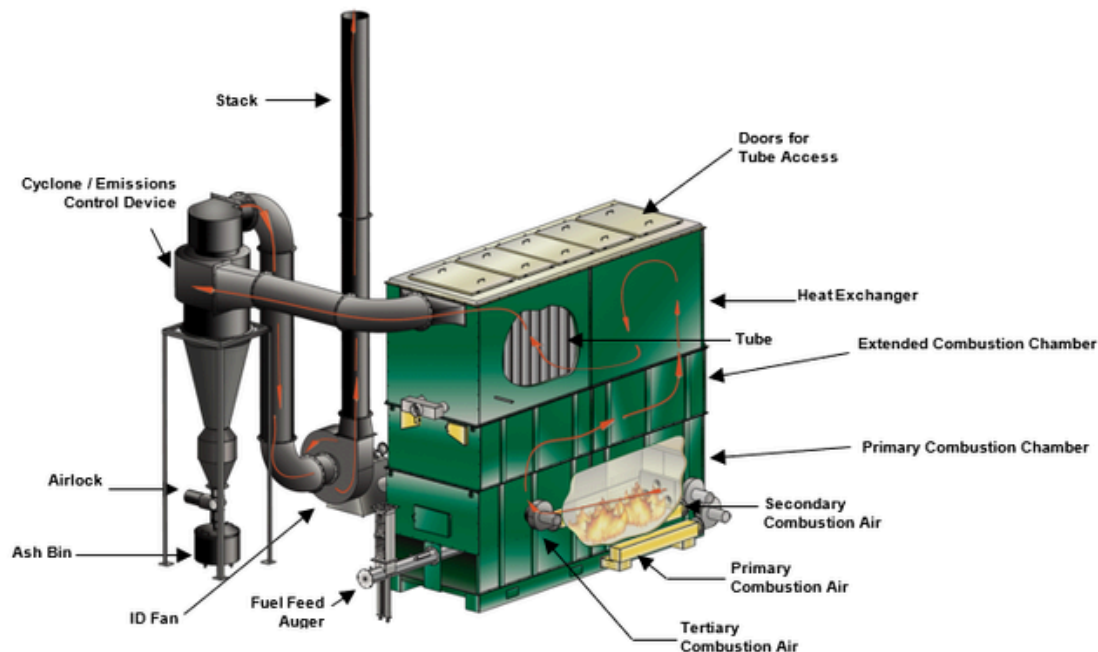
Demonstration and Test Facility



AgriPower operates a demonstration and testing facility that allows customers to evaluate the efficiency and effectiveness of various biomass materials. This facility is equipped to conduct independent testing, providing essential data that supports permitting applications and other regulatory requirements. Customers can expedite the approval process for their projects by ensuring compliance with regulatory standards. Ultimately, the facility helps clients make informed decisions regarding waste management and energy production.

Replacement Parts

We understand the importance of keeping your equipment running smoothly, and our extensive selection ensures that your needs are met quickly and efficiently. Our product range includes all the essential components and accessories that are specifically designed to meet your maintenance requirements. Whether you need a small replacement part or a critical component, you can trust that we have what you're looking for. We are committed to providing you with high-quality products at affordable prices. Time is of the essence when it comes to equipment maintenance, and we understand the urgency of your needs. That's why we offer immediate shipment for all our replacement parts. You can count on us to deliver what you need when you need it, ensuring minimal downtime for your operations.



Augers

The screw augers, composed of carbon and stainless steel, are housed within an auger tube. These augers are powered by gear motors that can be activated or deactivated as needed. The number of augers installed varies depending on the model and size of the unit. Augers play a crucial role in the efficient movement of materials, contributing to smooth operation, optimal performance, and enhanced safety.

It is recommended that the augers and flighting be inspected monthly for signs of excessive wear and replaced if necessary. Replacing worn or damaged augers can significantly improve the performance of combustion units, thereby protecting your investment and ensuring consistent operation. Replacement augers are available for all combustion unit models.



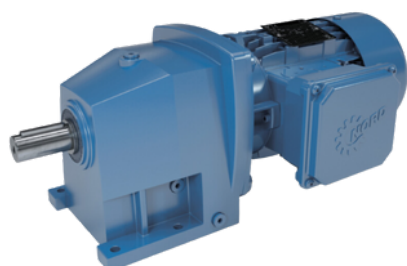
Description
Fuel Infeed Auger
Horizontal External De-Ash Auger
Horizontal Fuel Feed Auger
Horizontal Takeaway Auger
Incline External De-Ash Auger
Incline Fuel Feed Auger
Incline Takeaway Auger
Internal De-Ash Auger
Leveling Auger
Storage Bin Auger
Surge Bin Auger
Transfer Auger
Traveling Auger



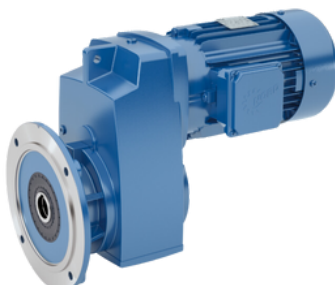
Nord Gearbox

Nord Drive Systems provides advanced gear motors for all combustion units featuring a range of characteristics that enhance both performance and reliability. These gear motors are designed with energy efficiency in mind, which helps reduce operational costs and minimize environmental impact. They deliver high torque, providing the necessary power for effective heavy-duty operations.

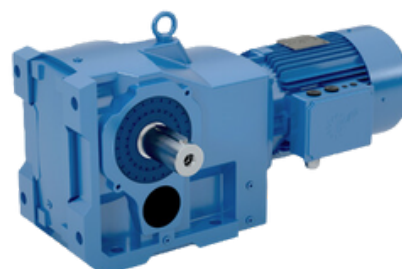
Known for their long-lasting drive components, Nord gearboxes are built to endure over time. The durability of these components leads to less frequent replacements and repairs, ultimately contributing to lower maintenance costs. Additionally, Nord gear motors are engineered for minimal upkeep, allowing for continuous operation with reduced downtime.



Helical Inline Gear Motors



CLINCHER Gear Motors



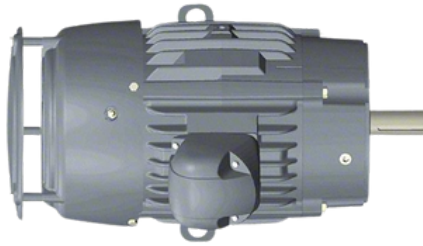
Helical Bevel Gear Motors

Spare Parts

Our supply of spare parts ensures the long service life of Nord geared motors. We are here to assist you. Repairing your equipment instead of replacing it saves time and money. Nord gearboxes are custom-built. Providing your gearbox's serial number will help us identify the specifications of your existing equipment.

Motors

We offer a comprehensive range of replacement motors for all our combustion units, ensuring minimal downtime and keeping your systems operational. The heavy-duty motors are designed for efficiency and reliability in demanding applications. These motors are built with high-quality components, requiring minimal maintenance and reducing overall costs. Whether you are upgrading existing systems or replacing worn-out components, our replacement motors provide a robust solution to meet your needs.



Refractory

The modular design of the refractory and ceramic lining allows for simple and efficient repairs and replacements, eliminating the hassle of full liner replacements and cumbersome mortar joints. Our replacement products include complete refractory lining replacement, precast shapes, insulation, tiles, sealers, and other related materials.

Pre-Cast Ceramic Shapes

All combustion units are equipped with high-temperature, heavy-duty cast refractory ceramic lining for extended lifespan. They are made entirely from cast refractory, with no bricks or mortar. This design significantly increases the refractory's lifespan to 8 to 10 years.



Ceramic Insulation

The cast refractory is equipped with advanced insulation designed to significantly reduce heat transfer to the outer burner surface. It features a robust layer of 1900°F insulating board topped with an additional protective layer of 2300°F insulating board. With this cutting-edge design, the outer surface temperature remains impressively low, not exceeding 160°F, ensuring safe and efficient operation.

Item Code	Description	Temp	Size
IN-B-19-1	Insulation Board	1900 F	1"
IN-B-19-112	Insulation Board	1900 F	1.5"
IN-B-19-2	Insulation Board	1900 F	2"
IN-B-19-3	Insulation Board	1900 F	3"
INB-23-1	Insulation Board	2300 F	1"
INB-23-12	Insulation Board	2300 F	1/2"
IN-BL	Insulation Blanket	2300 F	1"
IN-P	Ceramic Fiber Paper	2300 F	1/8"



Item Code	Description
IN-FR-34	¾" Twisted Fiberglass Rope
IN-FR-2	2" Twisted Fiberglass Rope
IN-GP	Green Patch 421 (55lb. bucket)
IN-RC	Refractory Cement (55lb. bucket)
IN-IN	Pumpable Inswool

Fans

To ensure that combustion units operate efficiently and effectively, they are equipped with durable, heavy-duty fans. These fans are essential for maintaining the functionality and longevity of the units. However, fans may become worn or damaged over time due to continuous use. Replacing these worn or damaged fans can significantly enhance combustion units' performance. Replacement parts and fans are readily available for all models to facilitate maintenance. This availability allows for quick and easy replacement of any components, minimizing delays in operation.

Combustion Fans

Combustion fans provide air to the combustion zone of the unit and are mounted outside on either side. Designed to withstand challenging operating conditions, these fans are robust and durable. The centrifugal blower fans utilize centrifugal force to deliver the powerful airflow necessary for optimal combustion. They feature a split housing design, allowing easy maintenance and accessibility, reducing downtime, and ensuring long-term functionality. Should any operational issues arise, our team is prepared to ensure that the correct parts are readily available to meet your needs. We prioritize quick response times and efficiency in resolving any issues to maintain the uninterrupted performance of our combustion units.



Induced Draft Fan



The Induced Draft Fan is a crucial component located within the ductwork. Its primary function is to create an airflow pattern that efficiently pulls gases and air through the system. This process supports effective combustion and helps control the exhaust flow, ensuring that the system operates smoothly and efficiently. Maintaining this airflow pattern is essential for the system's performance, as it ensures that all combustion by-products are properly managed and directed through the various zones of the system.

The Induced Draft Fan is extremely robust, constructed from heavy-gauge steel components assembled with precision and consistency. If any operational issues occur, our team is ready to provide the correct parts promptly to meet your needs. We prioritize quick response times and efficiency in resolving any issues to ensure the uninterrupted performance of our combustion units.

Forced Draft Fan

Combustion units are designed to capture and utilize the heat generated during combustion. The forced-draft fan is a key component in this heat recovery process. In this process, hot gases flow through tubes while the forced-draft fan pushes air across these tubes. As the air travels over the tubes, it extracts heat from them, which is then directed into the areas that require warming. This method ensures optimal heat distribution and enhances energy efficiency.

The forced draft fan is robust and durable, assembled from heavy-duty components. However, if any operational issues occur, our team is ready to provide the correct parts promptly to meet your needs. Replacement parts and fans are readily available for all models to facilitate maintenance.

Airlock

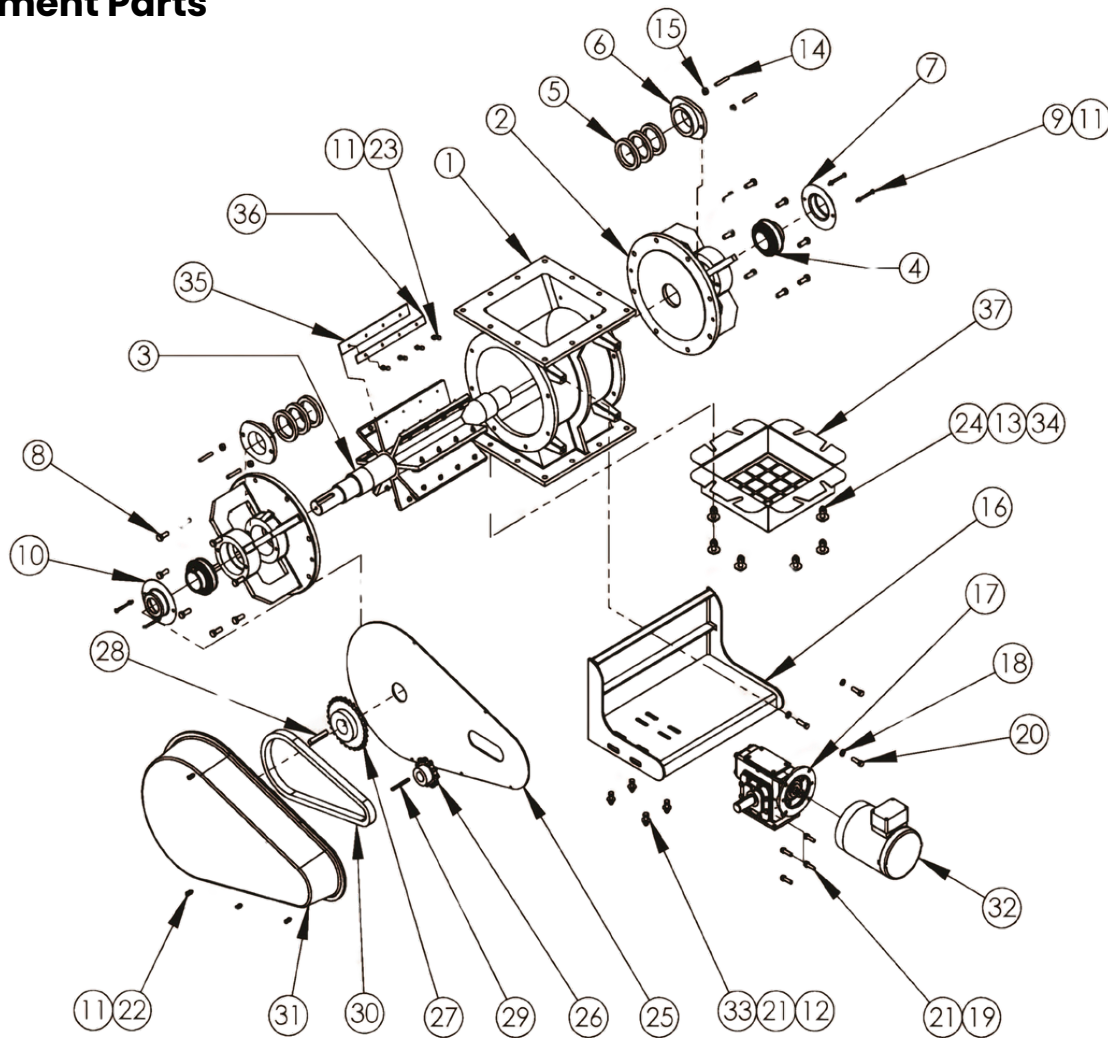
Multiclone Airlock

The gases enter the ductwork system after passing through the heat recovery phase. Here, they are directed through a cyclone, which is crucial in removing any remaining particles from the gases. The cyclone creates a vortex that forces the heavier particles to the outer edges, where they spiral down and are collected. Ash is automatically conveyed to a separate ash bin placed under the multi-cyclone, and ash dust is collected into the bin via an air-lock rotary valve.

HDX heavy-duty, extra-tough drop-thru rotary airlock valves are specifically engineered to withstand high temperatures and significant pressure differentials. They are leaders in the industry for their design, craftsmanship, functionality, durability, and serviceability. These valves feature thick gauge rotor vane material, reinforced endplates, robust flanges, and solid housing walls. Additionally, they come equipped with outboard-mounted oversized bearings that are pre-lubricated and permanently sealed, ensuring minimal maintenance and a longer lifespan. The rotor and shaft designs are oversized to eliminate shaft deflection and reduce fatigue.



Replacement Parts



ITEM	Description	Qty.	ITEM	Description	Qty.
1	HOUSING	1	20	HEX BOLT	**
2	HEADPLATE	2	21	HEX BOLT	**
3*	ROTOR	1	22	FASTENER	**
4*	BEARING	2	23	HEX BOLT	**
5*	PACKING	**	24	HEX BOLT	**
6	PACKING GLAND NUT	2	25	DRIVE GUARD BACKPLATE	1
7	BLIND END BEARING CAP	1	26	DRIVE SPROCKET	1
8	HEX HEAD BOLT	**	27	DRIVEN SPROCKET	1
9	HEX HEAD BOLT	**	28	DRIVEN SPROCKET KEY	1
10	BEARING CAP	1	29	DRIVE SPROCKET KEY	1
11	HEX NUT	**	30	CHAIN	**
12	HEX NUT	**	31	DRIVE GUARD	1
13	HEX NUT	**	32	MOTOR	1
14	PACKING GLAND STUD	4	33	FLAT WASHER	**
15	HEAVY HEX NUT	4	34	FLAT WASHER	**
16	MOTOR BASE	1	35*	SEAL STRIP	***
17	SPEED REDUCER	1	36*	SEAL STRIP HOLDER	***
18	LOCK WASHER	**	37*	FLANGE GUARD	1
19	LOCK WASHER	**			

* RECOMMENDED SPARE PARTS
 ** AS REQUIRED
 *** OPTIONAL

Rotary Airlock

The rotary airlock at the top of the fuel feed chute provides an air seal that prevents burn-back in the fuel feed transfer augers. The rotary airlock drive system comprises a C-face-mounted motor, a right-angle gear reducer, a roller chain, and a sprocket. HR steel is used throughout the housing fabrication, end plates, and rotor assembly.



Replacement Parts

Motor

We offer a comprehensive range of replacement motors for all our combustion units, ensuring minimal downtime and keeping your systems operational. The heavy-duty motors are designed for efficiency and reliability in demanding applications. These motors have high-quality components, requiring minimal maintenance and reducing overall costs.



Gear Reducer

When requesting replacement components, it's essential to have details such as the size, model, ratio, and serial number. This information can be found on the nameplate attached to every gear reducer. Providing these details ensures that you receive the correct parts and significantly speeds up the ordering process.



Roller Chain and Sprocket

Item Code	Description	Type
SK-H50P15	H50P15 Sprocket	Drive Sprocket
BU-PI-114	PI x 1-1/4" Bushing	Drive Bushing
BU-PI-138	PI x 1-3/8" Bushing	Drive Bushing
CH-50	#50 Chain	Chain Set
CH-50-ML	#50 Master Link	Chain Set
CH-50-HL	#50 Chain 1/2 Link (Offset Link)	Chain Set
SK-50P23	50P23 Sprocket	Airlock Sprocket
SK-50P25	50P25 Sprocket	Airlock Sprocket
SK-50P28	50P28 Sprocket	Airlock Sprocket
BU-PI-114	PI x 1-1/4" Bushing	Airlock Bushing
BU-PI-112	PI x 1-1/2" Bushing	Airlock Bushing
BR-UCF207-20E	UCF207-20E, 1-1/4" Bearing	Peer Bearing
BR-UCF208-24E	UCF208-24E, 1-1/2" Bearing	Peer Bearing



Replacement Paddels

Item Code	Description
HAL-RP	Replacement Paddles for HAL Airlock

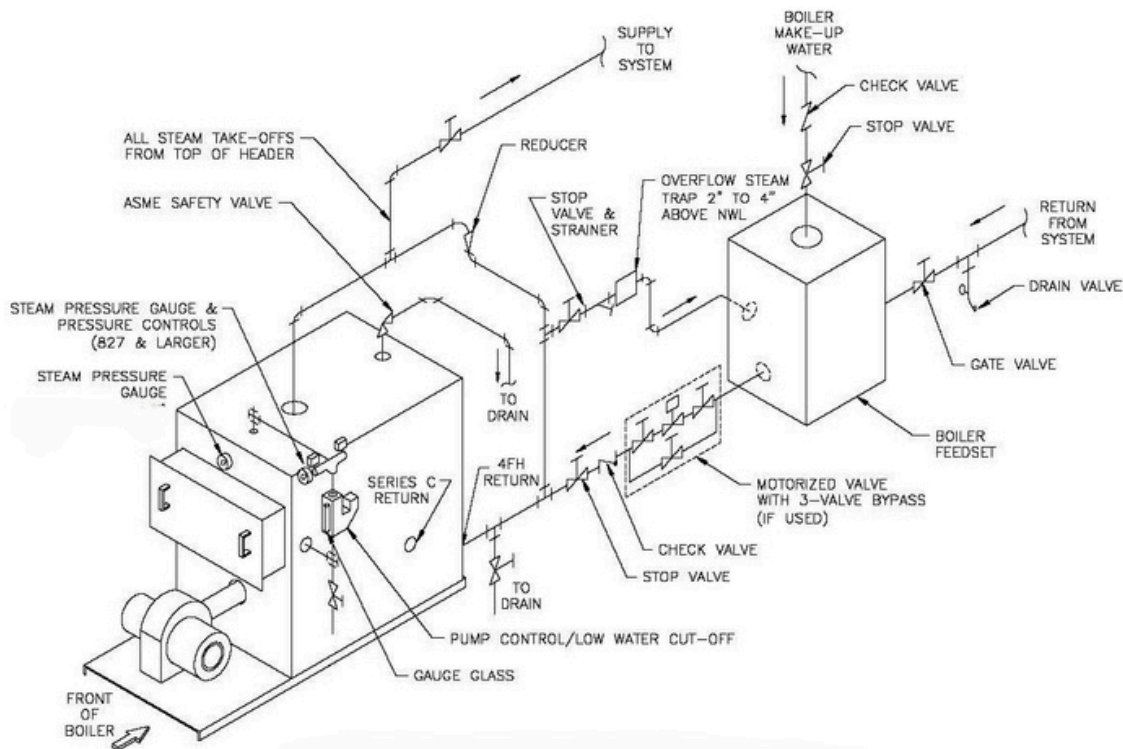
Boiler

We recognize how crucial it is to maintain the seamless operation of your equipment. That's why we offer a comprehensive range of essential spare and replacement parts for all combustion unit boilers, designed to fulfill all your maintenance requirements. Whether you need a minor replacement or a significant component, you can rely on us for precisely what you need. This commitment minimizes downtime and ensures your systems remain fully operational.

To better assist you, simply provide us with your boiler's model and serial number. This will allow us to pinpoint the original parts supplied for your model. For detailed specifications, we recommend referring to your operating manual. Below is a list of commonly required replacement parts for our combustion unit boilers. Please note that this list represents just a selection of our components.



- Gaskets
- Safety and Relief Valves
- Control Valves
- Pressure Gauges
- Temperature Gauges
- Low Water Cutoffs
- Water Level Controls
- Temperature Controls
- High Limit Switches

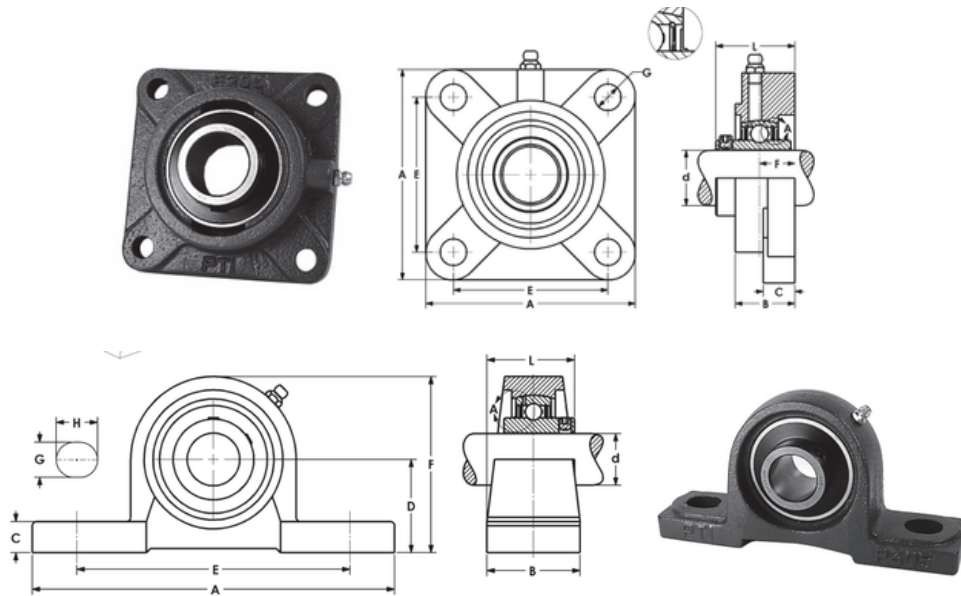


Bearings

Replacement bearings for all combustion unit models, including essential components like auger and airlock bearings, are readily available. Regular maintenance and timely bearing replacements are vital for optimal performance. Keeping your bearings in peak condition is essential to enhancing the efficiency and reliability of your equipment.

For bearing requirements, consult the operating manual for detailed specifications. Before placing an order, confirm the part number, equipment model, and quantity. It's imperative to measure bearing dimensions accurately before ordering.

Below is a list of our most common bearings for combustion units, though please note this list does not encompass all available options. Feel free to reach out with any questions or to verify bearing sizes. We are committed to helping you find the perfect replacement bearing you need.



Item Code	Description	Type
BR-1638DC	1638DC Bearing Bearing	Ball Bearing
BR-UCF205-16	UCF205-16 Bearing	Four-Bolt Flanged Bearing
BR-UCF206-19T	UCF206-19 High Temperature Bearing	Four-Bolt Flanged Bearing
BR-UCF206-20	UCF206-20 Bearing	Four-Bolt Flanged Bearing
BR-UCF207-20	UCF207-20E Bearing	Four-Bolt Flanged Bearing
BR-UCF207-22	UCF207-22 Bearing	Four-Bolt Flanged Bearing
BR-UCF208-24T	UCF208-24 High Temperature Bearing	Four-Bolt Flanged Bearing
BR-UCF208-24	UCF208-24 Bearing	Four-Bolt Flanged Bearing
BR-UCF209-26	UCF209-26 Bearing	Four-Bolt Flanged Bearing
BR-UCF210-32T	UCF210-32 High Temperature Bearing	Four-Bolt Flanged Bearing
BR-UCF211-32T	UCF211-32 High Temperature Bearing	Four-Bolt Flanged Bearing
BR-UCF308-24	UCF308-24 Bearing	Four-Bolt Flanged Bearing
BR-UCF313-40	UCF313-40 Bearing	Four-Bolt Flanged Bearing
BR-UCP311-32	UCP311-32 Bearing	Pillow Block Bearing
BR-UCP315-48	UCP315-48 Bearing	Pillow Block Bearing

Traveling Auger Assembly

Automatic Traveling Screw Auger Storage System

The drive and augers operate on a track and chain system that enables lateral movement. When no load or fuel is detected, the drive end of the augers shifts to laterally. This system consists of two traveling augers, a support beam, a drive mechanism, chains, and an end wall. The traveling screw auger system is designed for the efficient removal of fuel from the rectangular concrete bunkers. Constructed from heavy-duty, durable materials,

this mechanical equipment requires minimal maintenance and is suitable for regular daily use over the long term.

Please refer to the operating manual for detailed specifications. Below is a list of our most common replacement parts for combustion units; however, this list does not include all available options. If you have any questions or need to verify replacement parts, feel free to reach out.

Idler Sprocket

Item Code	MPN	Chain	Teeth	Bearing Type	Bore
SKI-50BB15H-58	50BB15H 5/8	#50	15	Ball Bearing	5/8"
SKI-60BB13H	60BB13H	#60	13	Ball Bearing	
SKI-60BB13H-58	60BB13H 5/8	#60	13	Ball Bearing	5/8"



Roller Chain Sprocket

Item Code	MPN	Chain	Teeth	Mounting	Bushing	Bore
SK-50BS16HT-114	50BS16HT 1 1/4	#50	16	Finished Bore		1-1/4"
SK-50BS20-1	50BS20 1	#50	20	Finished Bore		1"
SK-50HI15H-112	50HI15H 1 1/2	#50	15	Bushed	H	1-1/2"
SK-50HI15H-114	50HI15H 1 1/4	#50	15	Bushed	H	1-1/4"
SK-60BS15H-1	60BS15H 1	#60	15	Finished Bore		1"
SK-60BS16H-1	60BS16H 1	#60	16	Finished Bore		1"
SK-60BI18H-1	60BS18H 1	#60	18	Finished Bore		1"
SK-60Q20H	60Q20H	#60	20	Bushed	Q1	
SK-60Q40	60Q40	#60	40	Bushed	Q1	
SK-D50B20H	D50B20H	#50	20	Rough Bore		
SK-D60BI6	D60BI6	#60	16	Rough Bore		
SK-D60BI6H-114	D60BI6H 1-1/4	#60	16	Rough Bore		1-1/4"
SK-D60PI3H	D60PI3H	#60	13	Bushed	PI	
SK-D60PI4H	D60PI4H	#60	14	Bushed	PI	
SK-D60PI6H	D60PI6H	#60	16	Bushed	PI	
SK-D60Q21H	D60Q21H	#60	21	Bushed	Q1	
SK-D60Q35H	D60Q35H	#60	35	Bushed	Q1	
SK-120BS16-3	120BS16 3	#120	16	Finished Bore		3"
SK-120BS16-312	120BS16 3 1/2	#120	16	Finished Bore		3-1/2"
SK-120BS24-3	120BS24 3	#120	24	Finished Bore		3"



Roller Chain



Item Code	Description
CH-50	#50 Chain
CH-50D	#50 Double Chain
CH-50D-ML	#50 Double Master Link
CH-50-HL	#50 Chain 1/2 Link (Offset Link)
CH-50-ML	#50 Master Link
CH-60	#60 Chain
CH-60D	#60 Double Chain

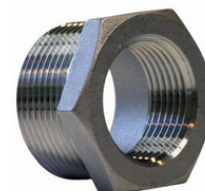
Item Code	Description
CH-60D-ML	#60 Master Link, Double
CH-60D-RIV	#60 Double Riveted Chain
CH-60-HL	#60 Chain 1/2 Link (Offset Link)
CH-60-ML	#60 Master Link
CH-120-HL	#120 Chain 1/2 Link (Offset Link)
CH-120-ML	#120 Master Link
CH-120-RIV	#120 Riveted Chain

Bushing

Item Code	MPN	Type	Bushing	Bore
BU-H114	Hx1-1/4	Split Taper	H	1-1/4"
BU-H112	Hx1-1/2	Split Taper	H	1-1/2"
BU-Q212	Q1x2-1/2	Split Taper	Q1	2-1/2"
BU-P158	P1x5/8	Split Taper	P1	5/8"



Item Code	Description	Bushing	Side A	Side B
BU-H-1141	1-1/4" x 1"	Hex Bushing	1-1/4"	1"
BU-H-1121	1-1/2" x 1"	Hex Bushing	1-1/2"	1"



Control Panel

The PCC Control System is one of the most advanced systems available for biomass combustion. It consists of several control panels. The combustion panel regulates all feed rates and airflow rates of the system. The second panel is a Programmable Logic Control (PLC) panel, which enables us to program the system to operate and burn at a designated rate. These controls allow for variable frequencies, enabling the system to adjust to burn various types of fuel with differing moisture content. The fuel feed motors, combustion fans, and the induced draft fan are operated through variable frequency drives, ensuring the optimal mix of combustion air and fuel.

The unit automatically adjusts itself according to load demands. All system controls and monitoring features are accessible via a 10-inch color touchscreen on the front of the main control panel. The system is equipped with fully automated controls and data acquisition capabilities, allowing for continuous operation with minimal maintenance and downtime. Additionally, the control system is network and Ethernet-compatible, enabling remote access for monitoring and troubleshooting by customers or Agripower technicians.

Our control panels are built with state-of-the-art Siemens controls for seamless automation and customization.

Replacement Parts

Below is a list of common replacement parts for our Challenger grinder control panels. Please note that this list does not include all available parts. Feel free to contact us if you need assistance sourcing or replacing any panel components. We maintain a complete inventory of replacement parts, including a wide range of control panel components for all models. Our comprehensive selection is designed to meet all your control panel needs.



The component list includes:

- Circuit Breakers, Surge Suppressors, and Fuses
- Power Supply and Distribution
- Motor Drives, Programmable Logic Controllers, and Variable
- Frequency Drives
- Terminal Blocks, Relays, and Contactors
- HMI
- Transformers



Item Code	Description
59835T19	Alarm Horn with Strobe
5928T66-R	Red Revolving Light
5928T66-W	Clear Revolving Light
5928T5	Replacement Lens for Revolving Light
1195T92	Bulb for Revolving Light
GGM3	Ferraz Shawmut 3-Amp Fuse
GGM5	Ferraz Shawmut 5-Amp Fuse
ATQR1	Mersen 1 Amp Fuse

Item Code	Description
ATQR8	Mersen 8 Amp Fuse
ATQR10	Mersen 10 Amp Fuse
3411-1000	Time Mark Monitor Socket
51X120	Redington Hour Meter
A257B	Time Mark Relay
98054401	Time Mark Smart Socket
K-202-DVA	Viking Alarm Dialer
CNI3252	Temperature Controller

Instrumentation

To ensure that your equipment operates efficiently, it is essential to use high-quality measurement and control devices. Replacement instruments are available for all combustion models, guaranteeing accurate readings and proper functioning of your equipment.

Please refer to the operating manual for detailed specifications. Before placing an order, make sure to verify the part number, equipment model, and quantity. Below is a list of common instruments for our combustion units. Note that this list does not include all available parts. If you do not see the specific instrument you need, please reach out to us. We are here to help you find the right replacement parts.

Item Code	Description
DDD53	Damper Actuator
FS-FS251	FS251 Flow Switch
FS-L6EPB	L6EPB Series Flow Switch
FS-V6EPB	V6EPB Series Flow Switch
G615	G615 Series Liquid Level Gauge
LS-802TA	Allen Bradley 802 Series Limit Switch
LS-E50DR1	Eaton E50 Series Limit Switch
LSRL-802TW3	Allen Bradley 802 Series Limit Switch Rod Lever
LSRL-E50KL202	Eaton E50 Series Limit Switch Rod Lever
OT-6888A	In-Situ Flue Gas Oxygen Transmitter
OT-6888XI	6888Xi Remote Transmitter
PS-D7E-3	Omron Tilt Sensor
PS-E21083	O5 Sensor Mounting Set
PS-EVC003	Proximity Sensor Cable
PS-EVC005	Proximity Sensor Cable
PS-IE5331	Inductive Proximity Sensor
PS-KI5209	Capacitive Proximity Sensor
PS-O5E200	Through-Beam Sensor Receiver
PS-O5S200	Through-Beam Sensor Transmitter
PT-2051CD	2051C-D Coplanar Pressure Transmitter
PT-2051CG	2051C-G Coplanar Pressure Transmitter
PT-605-10	605 Series 0-10" WC, Pressure-Indicating Transmitter
PT-605-20	605 Series 0-20" WC, Pressure-Indicating Transmitter
PT-605-6	605 Series 0-6" WC, Pressure-Indicating Transmitter
PT-PT	Steam Syphon Pigtail for PTX10
PT-PTX1-08	PTX1 Series Pressure Transmitter with Cable
PT-PTX1-10	PTX1 Series Pressure Transmitter with Cable
SS-304	Super Swivel
SS-304-SK	Super Swivel Seal Kit
TC-1075	1075 Series Thermocouple with Metal Protection Tube
TCA-OSTW	Thermocouple Assembly
TCC-OSTW	Thermocouple Connector
TCE-14-12	Ceramic Insulated Thermocouple Element, 14 AWG, 12" Length
TCE-14-20	Ceramic Insulated Thermocouple Element, 14 AWG, 20" Length
TCE-20-12	Ceramic Insulated Thermocouple Element, 20 AWG, 12" Length
TCE-20-18	Ceramic Insulated Thermocouple Element, 20 AWG, 18" Length



TCE-20-20	Ceramic Insulated Thermocouple Element, 20 AWG, 20" Length
TCP-72	Pipe Plug Thermocouple Probes with NPT Fitting and Lead Wire
TCPH-18-12	Thermocouple with Protection Head, 12"
TCPH-18-18	Thermocouple with Protection Head, 8"
TCPH-18-6	Thermocouple with Protection Head, 6"
TCPT-12-1	Thermocouple Protection Tube, 12" length, ½" NPT Fitting
TCPT-12-2	Thermocouple Protection Tube, 12" length, ¾" NPT Fitting
TCPT-18-1	Thermocouple Protection Tube, 18" length, ½" NPT Fitting
TCPT-18-2	Thermocouple Protection Tube, 18" length, ¾" NPT Fitting
TCPT-NB1	NB1 Cast Iron Thermocouple Head
TCS-EWS	Thermocouple Wall Mount Sensor
TM-250-9	Dial Thermometer, 0-250 F, 9" Length
TM-300-4-R	Dial Thermometer, 50-300F, 4" Length, with external reset
TM-300-9	Dial Thermometer, 50-300F, 9" Length
TM-300-4-R	Dial Thermometer, 50-300F, 4" Length, with external reset
TM-300-9	Dial Thermometer, 50-300F, 9" Length
TM-300-9-R	Dial Thermometer, 50-300F, 9" Length, with external reset
TM-500-4	Dial Thermometer, 50-500F, 4" Length
TM-500-9	Dial Thermometer, 50-500F, 9" Length
TM-800-6	Dial Thermometer, 100-800F, 6" Length
TW-260S	Thermowell
TW-385L	Thermowell
VB-SCR100	Vibco SCR Series Electric Vibrator
VC-TC4	TC-4 Test & Check Valves
VLW-142400	Low Water Cut-Off
VLW-143100	Low Water Cut-Off
VPR-55BA	Aquatrol Pressure Relief Valve
VTA-65127	Temperature-Actuated Modulating Valve
54046859-ZEN2S	Omron Door Limit Switch



Flue Brush

Item Code	Description	Diameter	Flue Size	Length
BH-43316	Tempered Wire Flue Brush	1-3/4"	2"	4-1/2"



Storage and Material Handling

Along with our grinders and waste-to-energy systems, we offer a comprehensive range of storage and material handling equipment, all custom-designed to meet our customers' needs.

Available Options:

- Auger systems
- Blowers
- Chute Separators
- Disc and Vibratory Screeners
- Fuel Transfer Systems
- Magnets and Metal Detection and Removal Solutions
- Pit Storage Systems
- Silo Storage
- Truck Unloading Systems
- Vibratory, Drag Chain, and Belt Conveyors
- Walking Floor



Conveyors

Patz Belt Conveyors are competitively priced, deliver exceptional performance, and feature a flexible design configuration. As your layout plans evolve, adding extra sections and optional features is easy. This capability helps save both time and costs.

Patz conveyors are built to last, with sections made of heavy-gauge steel and powder-coated for durability. The open pan design increases capacity and reduces belt friction, while return wheels support the belt, prolonging its lifespan and reducing strain on the drive system. The conveyors are equipped with precision-sealed, greaseable bearings for long-lasting performance. They also allow for convenient adjustments in belt tension and tracking, offering options for standard or low-stretch cold-temperature belts with either a textured or smooth surface.

The stainless steel splices enhance durability, and the design includes an adjustable incline and decline from 0° to 30°, accommodating lengths from 10 to 120 feet. Whether you are upgrading your current systems or replacing worn-out parts, our replacement and optional conveyor components provide a reliable solution.

Our inventory includes:

- Adjustable Incline and Declines Drive Motors
- Drive Mounts
- Electric Controls
- Loading Hoppers
- Magnets
- Pulleys
- End Spouts and Extensions
- Bearings
- Belt Wipers
- Belts
- Convey Sides
- Conveyor Supports



Place an Order

e-Commerce

AgriPower offers a secure online ordering process. You can place your order from your desk at any time. To create an account, click the "sign up" button and enter the required information when prompted.

<https://agripower.zohocommerce.com>

Email or Phone

Email our sales team and let us know what you're looking for. We'll help you find it.

sales@agripowermanufacturing.com

Call our sales team at +1 866-751-2474 and place your order over the phone.

When placing an order, please make sure to provide us with the following information:

- Full shipping and billing addresses
- Item number and quantity of each product or a brief product description.
- Purchase order number (if applicable)
- Name and phone number of the person placing the order
- Any special instructions such as package markings or mode of transit if it is not UPS.



Terms and Conditions

For additional information, please review our Standard Terms and Conditions of Sale at www.agripowermanufacturing.com/termsandconditions.

Payment

- No minimum order is required.
- Net 30 days for established accounts or prepayment in U.S. dollars. We accept Mastercard, VISA, Discover, American Express, and eChecks.
- Make checks payable to AgriPower Manufacturing & Services, Inc., and mail to:
230 State Street
Saint Marys, PA 15857
- Prices and specifications are subject to change without prior notice.

Shipping

- We ship to the United States and offer international shipping to Canada. We are currently unable to ship to U.S. Territories and P.O. Boxes.
- Shipping costs are calculated during checkout based on the order's weight, dimensions, and destination. Shipping charges are prepaid and added to the invoice unless otherwise specified.
- Shipments are via UPS-Ground unless otherwise specified.
- Most of our orders are fulfilled within 1-2 business days from the date of your order confirmation. Orders received before 1:00 p.m. EST will be processed the same day. Any orders placed after 1:00 p.m. EST will be processed the following business day. Orders placed Friday after 1:00 p.m. EST will be processed the following Monday.
- If an item is out of stock, we will dispatch the in-stock items immediately and send the remaining items once they return to stock.

Return Policy

- All orders must be returned within 30 days of the invoice date.
- A Return Authorization must be obtained before returning products.
- For additional information, please review our return policy at <https://www.agripowermanufacturing.com/returnpolicy>

Limited Warranty

Products are warranted to be free of defects in material and workmanship under standard installation, use, and maintenance for ninety days from the date of shipment. AgriPower will replace or repair any defective items at no cost. Expendable items are excluded from this warranty. In addition, damage due to customer misuse is not covered by this warranty. You'll need to submit a warranty claim before you return the product. Claims for damage in transit should be processed solely with the carrier.

For additional information, please review our warranty policy at: <https://www.agripowermanufacturing.com/warranty>