

Aggregate

RELIABILITY SOLUTIONS



ALL THINGS INDUSTRIAL®

| Applied.com/aggregate

Call the people who know your business

1-866-850-1866



APPLIED
Industrial Technologies®



LOCAL STOCK ON ESSENTIAL AGGREGATE PARTS

Applied Industrial Technologies has been committed to the aggregate industry for nearly 100 years, focusing on safety, operational efficiency, and lowest total cost of ownership. Our Aggregate Industry Specialists keep you connected with our extensive supplier network and value-added services.

Regional Aggregate Centers

Applied® understands your need for stable inventory levels amid ongoing supply chain constraints. This is why we have increased the aggregate products we have in stock at all six of our distribution centers and have implemented 32 Regional Aggregate Centers in key areas across the United States.

Look to our Regional Aggregate Centers for:



Increased inventory levels stocked locally for quick delivery of critical parts



Specially trained associates that receive continuous education on aggregate plant processes and the parts required to keep you up and running



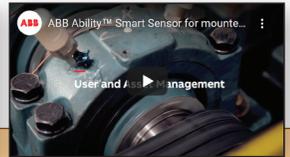
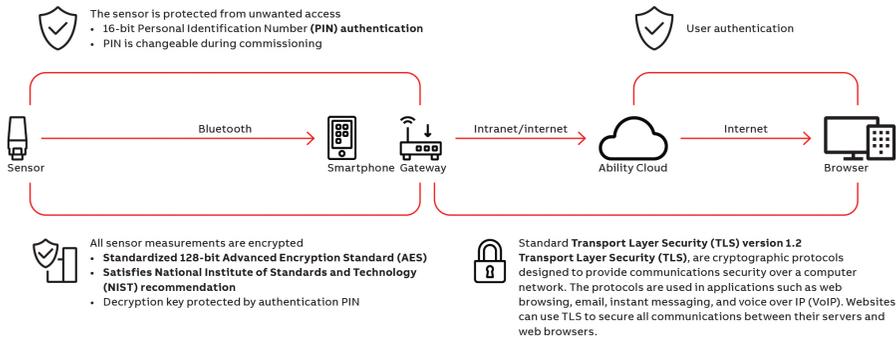
Capabilities and tools necessary to conduct plant surveys and help identify areas to make your plant more efficient, reliable and safe



ABB ABILITY™ SMART SENSORS FOR MOUNTED BEARINGS



The ABB Ability™ Smart Sensor for mechanical products is an easy-to-use, wireless sensor that monitors the health of Dodge mounted bearings and gear reducers, allowing users to reduce downtime, improve reliability and operate safely. The sensor gives warnings on decreasing health status, which allows you to plan maintenance before there is a problem and the system is down. The ability to monitor bearings remotely allows maintenance and other relevant personnel to safely get a health check of the bearing without touching equipment.



Learn more and watch videos at Applied.com/abb-ability-smart-sensor-for-mounted-bearings-aggregate

EATON CHAR-LYNN MOTORS & EXTREME DUTY SEAL GUARD



Powering Business Worldwide

Eaton's Extreme Duty Seal Guard option is the best answer to keep dirt, dust, cement, water and other foreign matter out of equipment. The unique exclusion seal helps protect equipment by using a two-piece sealing technology. This seal includes a pressed in stationary housing as well as a metal shield rotating with the shaft. The Eaton Extreme Duty Seal Guard can outlast a slinger seal four times over, extending the life of the motor and more importantly, the entire machine or piece of equipment.



EATON EXTREME DUTY SEAL GUARD IS GREAT FOR THE AGGREGATE INDUSTRY:

- Highest level of protection
- "Metal shield" rotating with shaft and grease packed lip seal
- Replaces a standard exclusion seal:
 - » Pressed on shaft and in housing
 - » Requires mating housing and sometimes added length shaft

LOCTITE® COMPOUNDS



BACKING COMPOUNDS

In the aggregate industry, backing compound is used in cone crushers and grinding mills to fill gaps in wear liners and backing plates. This pourable epoxy compound allows you to get the full life of your equipment by providing positive support of liners and preventing cavitation.

LOCTITE® PC 9020™ – BACKING COMPOUND

ADVANTAGES:

- Color changing technology to assure product is fully mixed
- Higher compressive strength
- Higher impact resistance
- Low odor
- Low shrinkage



WEARING COMPOUNDS

Brushable and trowelable, wearing compounds are used throughout the aggregate and cement processes inside chutes, feeders, hoppers, pumps and pipes. This ceramic epoxy offers abrasion and impact resistance superior to that of ceramic tile, protecting your equipment and reducing downtime.

LOCTITE® PC 9313 – WEARING COMPOUND

ADVANTAGES:

- Cures to ceramic hardness – resists sliding abrasive wear
- Won't sag or shrink – conforms to overhead and irregular surfaces, application versatility
- Renews worn surfaces fast – reduces downtime
- Impact resistant – resists mild impact at 45° angle
- Offers the wear resistance properties of an epoxy along with impact resistance
- Trowelable



SPILLTECH SMART SPILL SOLUTIONS™

Applied® is proud to offer SpillTech Smart Spill Solutions™ for the Aggregate Industry. Choose from our selection of:

- » Oil-Only Drumtop Pads
- » Oil-Only Contractor Grade Sock / Net Boom
- » Oil-Only Responder™ Pads
- » Oil-Only Poly Blend Socks
- » Custom Spill Kits



PPI HERRINGBONE WING PULLEY



The PPI Herringbone Wing® was designed for those applications where conventional wings suffer from excessive material lodging and wing folding. The extreme wing angles of up to 45°, use the pulley's rotation to eject material out the sides of the pulley rather than recirculating it as a conventional wing often does. The extreme angles and optimized wing height, along with a center reinforcement disc combine to make an incredibly strong design.

HOW IT WORKS:

- Herringbone wing pulleys discharge material out the side of the pulley – in fewer rotations – rather than recycling material back onto the belt
- Curved wings reduce the amount of air being moved and reduce the amount of dust being stirred
- The pulley maintains constant contact with the belt, preventing belt slap, vibration and wear while the herringbone pattern doubles the contact points in the center of the belt, providing better support
- Flights angled at 45° throw material off the belt for improved cleaning and reduced material build-up and plugs



Learn more and watch video at
[Applied.com/ppi-herringbone-wing-pulley-aggregate](https://www.applied.com/ppi-herringbone-wing-pulley-aggregate)



X-LIFE™ SPHERICAL ROLLER BEARINGS FOR VIBRATORY APPLICATIONS FROM SCHAEFFLER

SCHAEFFLER

Vibratory screens used for grading and other vibratory machinery, such as road rollers and saw frames are amongst the machines subjected to the most severe stresses.

The rolling bearings fitted in the exciter units of these machines must support high loads and speeds in addition to accelerations and centrifugal forces. In many cases, these applications involve adverse environmental conditions, such as contaminated environments and excessive moisture.

The special spherical roller bearings developed by FAG are matched to the operating conditions in vibratory machinery and have proved highly successful in practical use.



More Reasons You Should Switch to Schaffler FAG X-Life™ Spherical Roller Bearings for Vibratory Applications:

- Longer operating life due to coated bores
- Heavy shock loads and radial acceleration are supported
- No fretting corrosion
- Unhindered thermal expansion of the shaft due to coated inner ring bore
- Highest load carrying capacity



ORIGINAL SEALMASTER® PAVER BEARINGS FROM REGAL



The Sealmaster® brand of bearings has always been synonymous with quality, problem solving and performance. Those same attributes also hold true for Sealmaster® paver bearings.

As a well-known and well-respected name in the paving industry, Sealmaster® has maintained close partnerships with paver original equipment manufacturers. Sealmaster® engineers have worked with these manufacturers to design bearings that can endure the harsh environments of the paving industry.

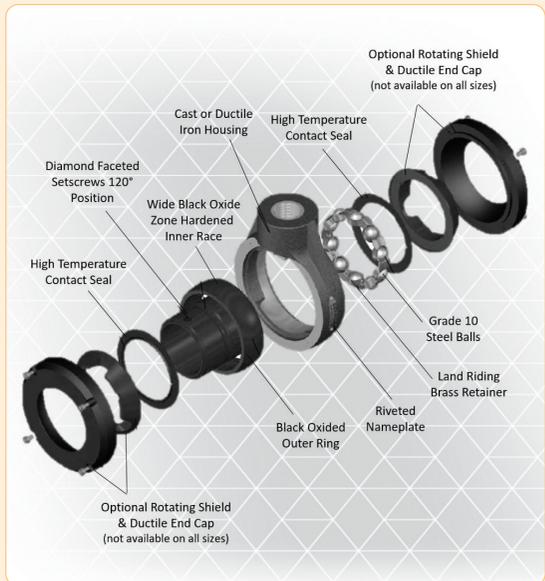
As asphalt paving technology has evolved, so have the performance requirements of paving equipment. Sealmaster® has and will continue to incorporate the most innovative materials and technologies into their paver bearings.

Once available only to the manufacturers of paving equipment, Sealmaster® brand paver bearings are now sold by Applied®, making the bearings more available than ever.



FEATURES AND BENEFITS:

- **High Temperature Contact Seal** – the double lip high temperature contact seal is the most popular design used
- **Nomex Seal with Flinger** – Nomex seal provides a high temperature, tight labyrinth seal which retains lubrication and acts as a filter to exclude contamination
- **Ductile Iron End Cap** – tough, wear resistant end cap that helps keep asphalt from forcing its way into the bearing
- **Rotating Shield** – black oxidized shield is fixed to the extended inner ring and precision machined to run with a small clearance with the end cap
- **Self-Adjusting Washer** – conical-shaped mechanical seal is located directly behind the rotating shield supplying the bearing with a third contamination barrier



Learn more and watch video at Applied.com/regal-sealmaster-paver-bearings-aggregate

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