

SEALMASTER
PERFORMANCE WITHOUT COMPROMISE™

**Protection and
Lubrication
Principles**

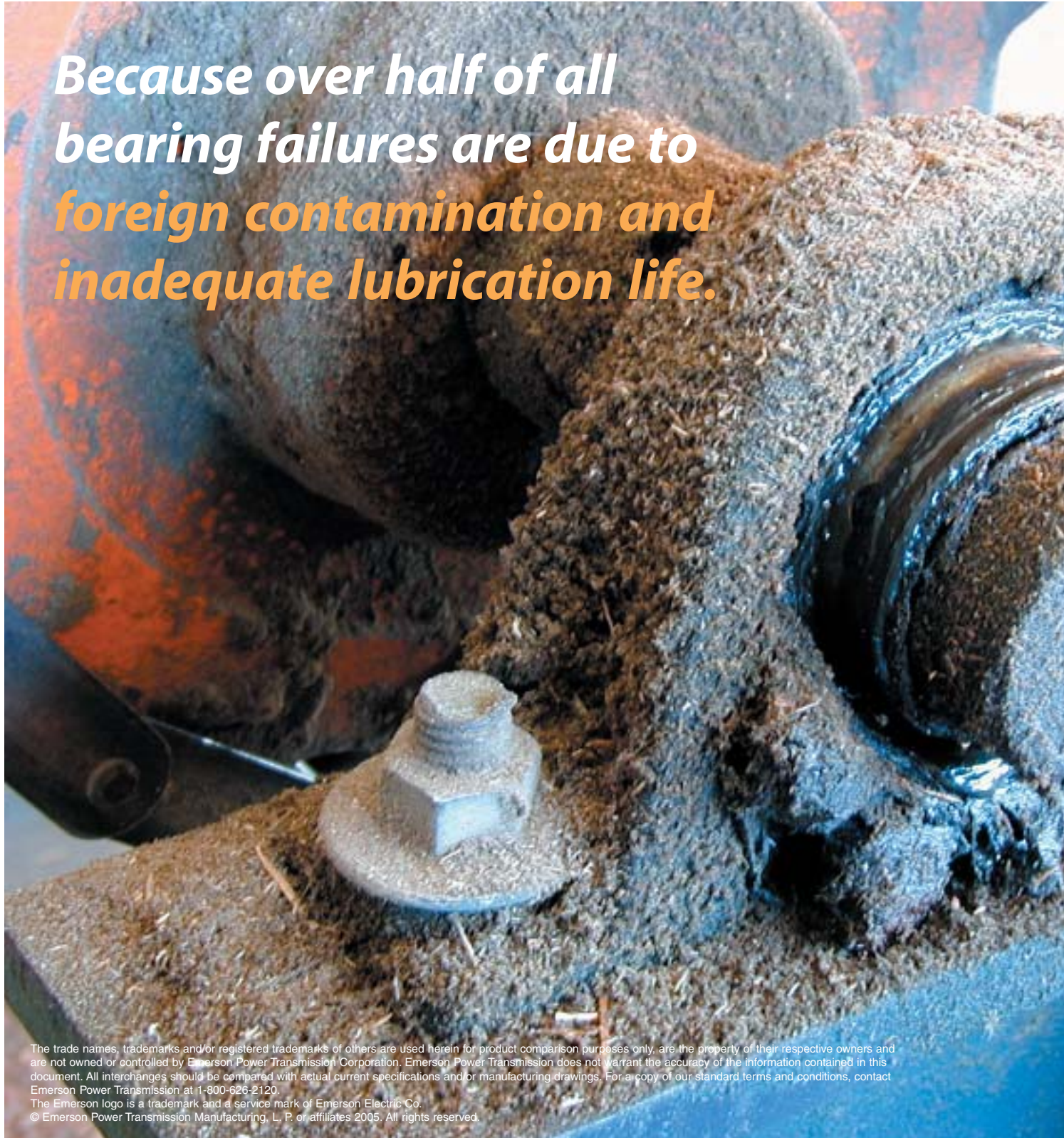



EMERSON
Industrial Automation

EMERSON. CONSIDER IT SOLVED.

Total Integrated Bearing Solutions

Because over half of all bearing failures are due to foreign contamination and inadequate lubrication life.



The trade names, trademarks and/or registered trademarks of others are used herein for product comparison purposes only, are the property of their respective owners and are not owned or controlled by Emerson Power Transmission Corporation. Emerson Power Transmission does not warrant the accuracy of the information contained in this document. All interchanges should be compared with actual current specifications and/or manufacturing drawings. For a copy of our standard terms and conditions, contact Emerson Power Transmission at 1-800-626-2120.
The Emerson logo is a trademark and a service mark of Emerson Electric Co.
© Emerson Power Transmission Manufacturing, L. P. or affiliates 2005. All rights reserved.

Three Steps to Improved Performance



- 1. Sealmaster® brand Gold Line mounted ball and roller bearings** are available with an exhaustive selection of custom design features and options, as well as specially-engineered bearing types. Optional construction materials and a wide range of mechanical modification and engineering adaptations are all carefully selected to help satisfy your particular application requirements.
- 2. New Sealmaster® GoldPlex™-HP and GoldPlex-FG lubricants.** It takes a team to determine the lubricant for a specific application, based on a detailed set of criteria. Fortunately, our team has developed lubricants for a variety of applications.
- 3. New Sealmaster GoldPlex-SPL (V) & (EM) series lubricators.** These single point lubricators are designed to automatically lubricate your bearings, which in turn can reduce your overall maintenance costs. See pages 12 through 15 for reliability advantages over competitive offerings.



The Factors You're Facing

Lubrication

Operating cost containment can mean the difference between profit and loss. System uptime and operational efficiencies are the keys to manufacturing in the twenty-first century, and much of your business is literally riding on your bearings. Research has shown that nearly 40 percent of premature bearing failure is related to lubrication. Many of these are due to poor lubrication design or unreliable and time consuming relubrication practices.

Lubrication Type

Making the right choice requires an understanding of the interaction between lubrication surfaces with relative motion. Short of becoming a tribologist, this sort of research is laborious and expensive. Not only has Emerson Power Transmission done the research for you, but we also provide a family of lubricants designed to increase the effective life of Sealmaster brand mounted bearings.

We can recommend a lubricant by knowing how your application is affected by a range of factors, including oxidation, corrosion properties, dropping point and water washout/oil separation.

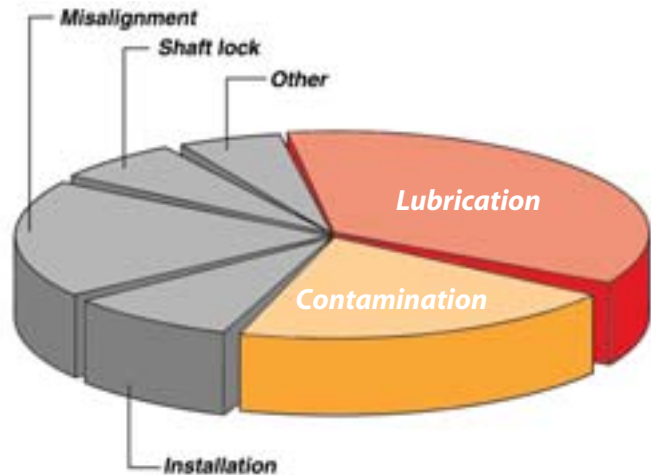
Lubrication Capacity and Delivery

The amount of available lubrication space within the bearing, and the delivery method, are both critical and all-too-overlooked design factors. Sealmaster brand bearings have a wide outer race and brass land riding retainer design that allow for as much as a 30 percent increase in lubrication carrying capacity. A patented lock pin and dimple system provide a more efficient lubrication path from your grease gun into the bearing ball cavity. More capacity and direct lubrication mean that extra grease is working to extend bearing life.

Lubrication Schedule

While relubrication is essential, regular *manual* relubrication can be costly and time consuming. There's an added reliability risk due to scheduling challenges and personnel redeployment. Sealmaster brand single point lubricators can help reduce maintenance cost.

Reasons for Premature Bearing Failure



Source: Combined published industry data and Emerson-EPT compiled records. For more details visit www.emerson-ept.com.

Contamination

Mounted bearings must endure environments from fine paper dust, to high pressure wash down sprays, to searing hot asphalt. Each application provides a series of distinct challenges.

External Contamination Avoidance

Over the past sixty years, Sealmaster has stood as the benchmark in bearing seal design and development. With over a dozen specialized mounted bearing sealing elements to choose from, you can find the best one for your application.

Internal Contamination Expulsion

All seals eventually wear down and allow some foreign elements to penetrate. It is important to prevent contamination from unduly affecting bearing performance. Sealmaster brand ball bearings utilize a specially designed, wide outer ring with a greater grease capacity than competitive designs. This allows for more lubricant to exist near the sealing element to help trap incoming contaminants. Contaminants are purged through the seal and away from the ball path when the bearing is relubricated.

Visit us at
www.emerson-ept.com

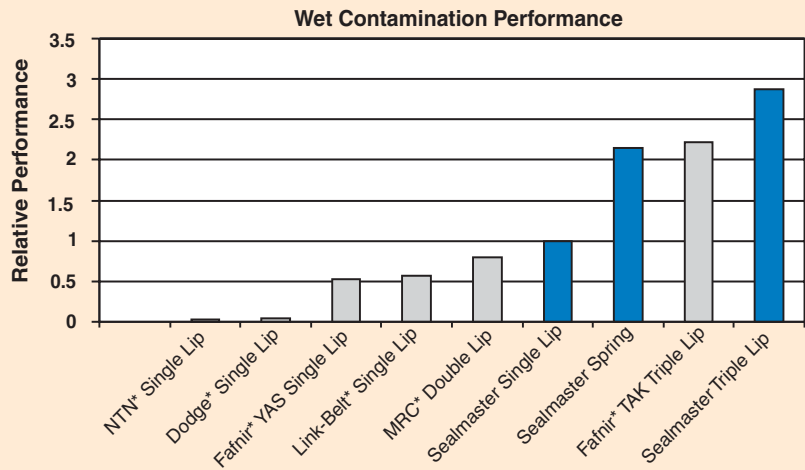
Reliability and Results

The three performance graphs show how Sealmaster strikes a balance between sealing performance, bearing drag and bearing speed. The balance allows a wider range of applicability and flexibility.

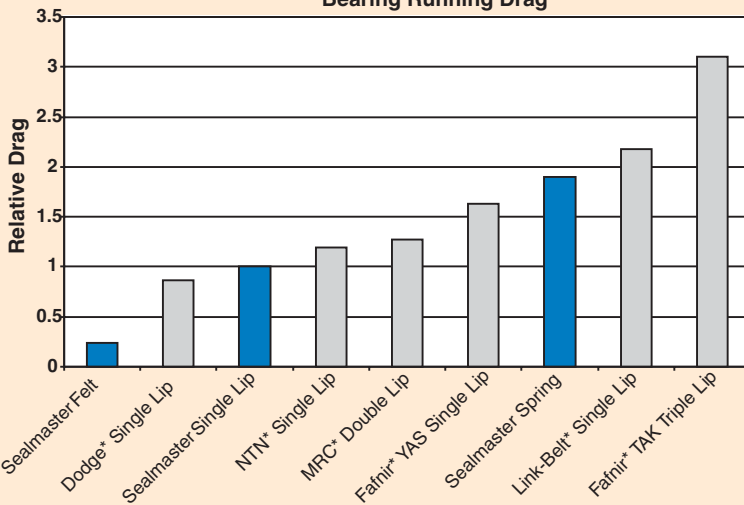
Superior Performance in Wet Contamination

The Sealmaster contact seal designs allow extra protection in wet, dirty environments and outperform competitive single lip contact seals. Available spring and single lip seal designs also provide excellent performance compared to competitive offerings.

Test method: This graph illustrates the relative performance of rubber contact seals in a slurry contamination test. The seals are installed on one side of a bearing and the bearing is submerged halfway into a sand, salt and water mixture. The bearings operate at 300 RPM while a separate motor stirs the mixture at 500 RPM. The test is stopped when the slurry mixture leaks past the seal.



Bearing Running Drag



Optimal Drag Performance

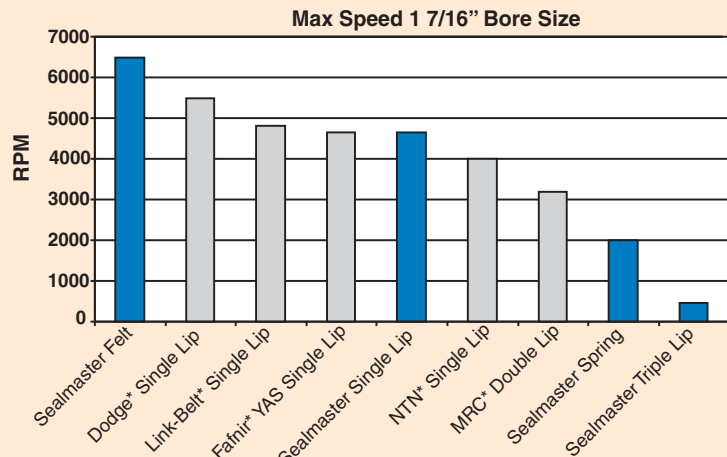
With a heightened level of sealing protection comes a corresponding increase in potential for bearing drag. Conversely, the lower the drag of the seal, the cooler the bearing will operate, allowing for higher bearing speeds. The Sealmaster offerings include seal designs that optimize drag performance, while still providing excellent sealing capabilities. The Sealmaster brand felt seal has the lowest drag of any standard seal in the industry and is a very effective sealing system for applications where dirt, grit, sand and dust are present. Other Sealmaster designs strike an improved balance to give you a choice for improved efficiency.

Test method: The data shows the seal drag of each bearing type at a constant 500 RPM, with special torque cells used to determine the drag of each seal type.

Speed

The temperature a bearing can handle will limit its maximum speed. Operating temperatures are primarily dependent upon seal drag, lubrication and bearing geometry. These elements create friction and increase the temperature inside the bearing. Sealmaster engineers have designed our bearings to strike a balance, allowing for excellent speed capabilities while still providing excellent sealing performance.

Ratings data: This graph shows the catalog speed ratings for Sealmaster and competitive seals. Most notably, the Sealmaster brand felt seal has the lowest drag, thus charting the highest speed capabilities. While the heavy duty Sealmaster brand spring seal and triple lip seal have some speed limitations, they provide an improved balance between sealing performance, drag and speed capabilities compared to competitive seal designs.



* NTN is a trademark and/or trade name of NTN Corporation of Japan. *Dodge is a trademark and/or trade name of Reliance Electric Company. *Fafnir is a trademark and/or trade name of the Torrington Company. *Link-Belt is a trademark and/or trade name of Rexnord Corp. *MRC is a trademark and/or trade name of SKF USA Inc. These trademarks and/or trade names are used herein for comparison purposes only and are not trademarks and/or trade names in any way owned, controlled or associated with Emerson Power Transmission Corporation. Emerson Power Transmission does not warrant the accuracy of the information contained in this document. All interchanges should be compared with actual current specifications and/or manufacturing drawings. For a copy of our standard terms and conditions, contact Emerson Power Transmission at 1-800-626-2120.

Performance Without Compromise™

A Closer Look



Wide Outer Race

With its 10 to 30 percent wider outer race, Sealmaster brand mounted ball bearings provide both increased shaft stability and the industry's largest internal grease capacity. This combination provides longer intervals between lubrication and a longer useful bearing life.

Seals

As detailed below, seals made from multiple components enhance the performance over molded lip designs. Nitrile seal washers are reinforced with a fabric weave and provide excellent sealing in wet, dirty applications. Washers are captured between two metal stampings to provide additional protection for the seal lips and bearing cavity.

Standard felt seal:

Ball & RPB Roller

Low drag seal that provides outstanding protection against dry, gritty contaminants.

Also available: Nomex* configurations for high temperature applications.



Contact seal:

Ball & RPB Roller

Single Nitrile washers provide a good balance between bearing drag and sealing protection in wet environments.

Also available: Seals for high temperature applications.



Double lip contact seal:

Ball & Sleeve Roller

Dual Nitrile lips provide improved sealing performance over a normal single lip contact seal in both wet and gritty environments.

Also available: Seals for high temperature applications.



Triple contact seal:

Ball

Three Nitrile seal washers provide outstanding sealing performance in most bearing applications.



Backed off/lo-drag seal:

Ball

Similar to the standard felt seal design except that there is an engineered gap between the flinger and the felt, resulting in dramatically reduced drag.



Spring loaded lip seal:

Ball

With a single heavy lip that maintains contact pressure through an additional spring, this design provides excellent sealing performance in wet and gritty environments. It can also be used to help prevent grease purge.

Also available: Seals for high temperature applications.



* Nomex is a trademark of E.I. du Pont de Nemours and Company and is used herein for comparison purposes only and is not a trademark and/or trade name in any way owned, controlled or associated with Emerson Power Transmission Corporation. Consult the Sealmaster BP97 catalog for more application-specific details. Emerson Power Transmission does not warrant the accuracy of the information contained in this document. All interchanges should be compared with actual current specifications and/or manufacturing drawings. For a copy of our standard terms and conditions, contact Emerson Power Transmission at 1-800-626-2120.

Gold Line Bearings *Step 1*

Land Riding Ball Bearing Retainer

The Sealmaster brass retainer design prolongs bearing life with a full 360 degree circulation of lubrication around the rolling elements and in the ball path. The collection of grease in the retainer's recessed ball pockets allows for gradual release of oil directly to the rolling elements.

Sealmaster Land Riding



Sealmaster **land riding** design: superior pocket clearance around the rolling elements for better retained and utilized lubrication.

Competitive Ball Riding

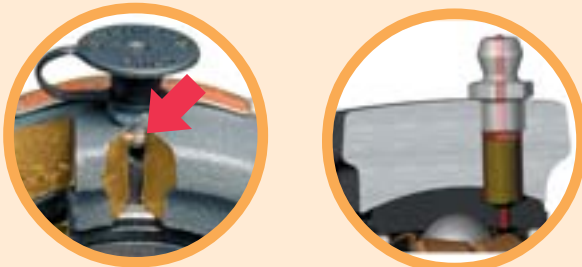


Competitive **ball riding** designs: require constant contact with rolling elements. This contact can remove lubricant from elements with each revolution.

Direct Lubrication System

The Sealmaster pin and dimple lubrication system allows grease to flow directly into the bearing chamber. This method provides an efficient, unobstructed passage of fresh lubricant onto the rolling elements and allows excess grease to help purge harmful contaminants from the bearing cavity during regular maintenance intervals.

Sealmaster Brand Gold Line Ball Bearing Direct Lubrication System



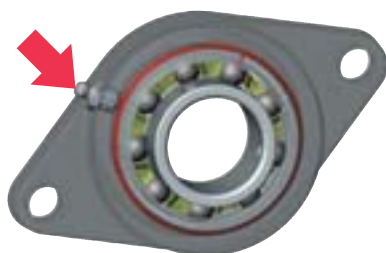
The Sealmaster brand ball bearing direct lubrication method utilizes a lock pin and dimple system. The oversized lock pin (located beneath the grease fitting) fits loosely in a dimpled recess in the outer race. The locking pin prevents outer race rotation. In other bearing designs where outer race rotation often occurs, the lubrication system may be compromised and the user's ability to relubricate the bearing will be diminished.

Sealmaster Brand RPB Tapered Roller Bearing Direct Lubrication System

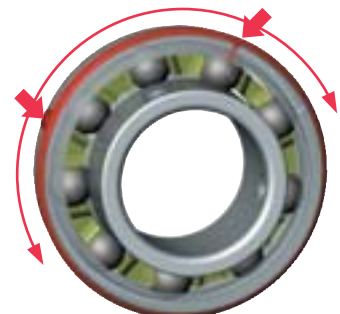


Like our ball bearing, the RPB tapered roller bearing lubrication system also allows direct grease flow into the bearing chamber. The cartridge insert contains two grease ports. Regardless of orientation, one of the two ports lines up with the grease fitting during replacement. A rubber grommet beneath the fitting helps direct grease flow into the bearing chamber.

Competitive Ball Bearing Indirect Lubrication System



Competitive bearings incorporate a circumferential groove and oil hole in the outer race to channel grease into the bearing chamber, giving grease a long way to travel. The grease's progress can be impeded when drying occurs for lack of sufficient relubrication, or when infiltrating contaminants block the groove.





We've formulated the lubricant for your application, based on a detailed set of criteria and decades of experience.

Formulated by Sealmaster engineers in conjunction with leading lubrication experts, patent pending GoldPlex-HP high performance mounted bearing grease is specifically designed to help maximize the operating performance of Sealmaster brand ball and roller bearings. This superior lubricant is formulated with a highly compatible lithium complex thickener and specially processed base oil. A finely tuned additive package further improves performance by ensuring high film strength, extreme pressure (EP), and anti-wear properties.

Sealmaster GoldPlex-HP provides effective lubrication over a wide range of temperatures with a low temperature performance of -40°F (-40°C). Test results show that GoldPlex-HP outperforms standard bearing greases in oxidation prevention and load carrying capabilities, which contribute to longer bearing life.

This lubricant's performance advantages include:

- Superior corrosion resistance
- Wide operating temperature range (-40°F to 350°F)
- Significantly lowers bearing running temperature
- Increased EP protection
- Lengthens lubrication cycles in most applications
- Excellent consistency

Availability	
GOLDPLEX HP 14 OZ	GOLDPLEX HP 120 LB. KEG
GOLDPLEX HP 35 LB. PAIL	GOLDPLEX HP 400 LB. DRUM

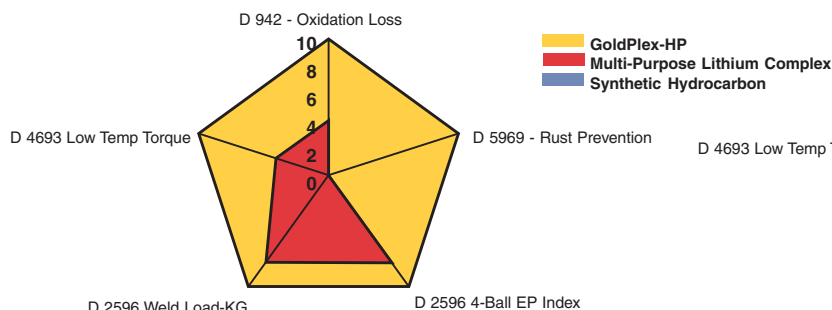
For pricing and availability contact Emerson Power Transmission Customer Service at (800) 626-2120.

Lubricants

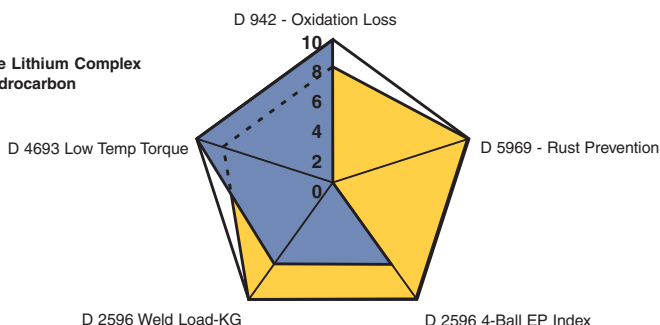
Step 2

GoldPlex-HP sets a new standard for extreme pressure protection, long life and dependable performance.

GoldPlex-HP vs. Multi-Purpose Lithium Complex Grease **



GoldPlex-HP vs. Synthetic Hydrocarbon Grease **



Product Specifications

Thickener Type	Lithium Complex
Texture	Smooth
Color	Gold
60-Stroke Penetration, ASTM D 217, 77F	280-300
Dropping Point, ASTM D 2265, F (C)	500 (260)
Oxidation Stability, ASTM D 942, Psi Drop/100	5
Rust and Corrosion Protection, ASTM D 1743	Pass
Modified with 5% Synthetic Seawater	Pass
Water Washout, ASTM D 1264, 175F, %	5
Timken* OK Load, ASTM D 2509	50
4-Ball EP, ASTM D 2596 Weld Pt. Kg	250
4-Ball Wear, ASTM D 2266, Scar Dia. Mm, 40 kg	0.60
Oil Separation, ASTM D 1742, Mass %	10
Base Oil Viscosity SUS @ 100F	575-675
Base Oil Viscosity cSt @100C	12.2
Base Oil Viscosity cSt @ 40C	115
NLGI #	2
Operating Temperature Range	-40F to 350F

Sealmaster GoldPlex mounted bearing greases offer you variety and improved performance. Following the color coding system below will help you select the grease for your application.

GOLD

GoldPlex-HP: Indicates a high performance mounted bearing grease for use in a wide variety of demanding applications.

Note: The back of the grease fitting caps allow installation date tracking.

Protective Grease Fitting Caps

Cap Color	Description	Part Number
	Gold Indicates that the bearing is factory filled with Sealmaster GoldPlex-HP Grease	759376
	White Indicates that the bearing is factory filled with Sealmaster GoldPlex-FG Grease	759646
	Red Indicates that the bearing is factory filled with High Temperature Grease	759647
	Black Indicates that the bearing is factory filled with a Non-Standard Grease	759648

For pricing and availability contact Emerson Power Transmission Customer Service at (800) 626-2120.

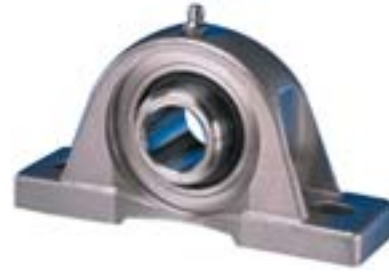
* Timken is a trademark and/or trade name of The Timken Company and is used herein for comparison purposes only and is not a trademark and/or trade name in any way owned, controlled or associated with Emerson Power Transmission Corporation.

Emerson Power Transmission does not warrant the accuracy of the information contained in this document. All interchanges should be compared with actual current specifications and/or manufacturing drawings. For a copy of our standard terms and conditions, contact Emerson Power Transmission at 1-800-626-2120.

** Source: Combined published industry data and Emerson-EPT compiled records. For more details visit www.emerson-ept.com.



GoldPlex food grade, mounted bearing grease is suitable for mounted bearing lubrication where incidental contact with food products may occur or any applications where clean, routine lubrication is required.



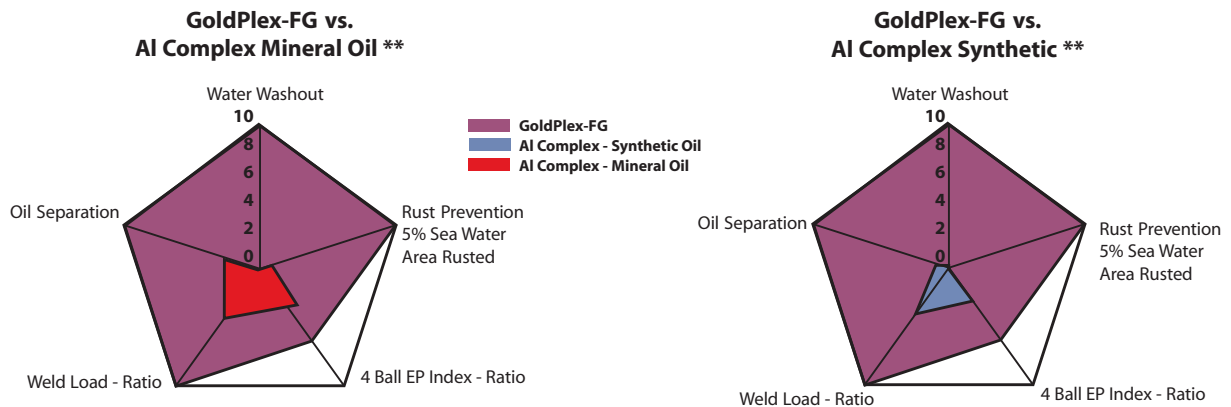
This lubricant's performance advantages include:

- Superior corrosion resistance
- Excellent water washout properties
- Compatible with major thickeners
 - Aluminum Complex
 - Calcium Complex
 - Polyurea
- USDA H1 category approved
- Superior dropping point 572°F (300°C)
- Nonstaining and nontoxic

All Sealmaster brand CRES bearings are factory filled with GoldPlex-FG lubricant.

Availability	
GOLDPLEX FG 14 OZ	GOLDPLEX FG 120 LB. KEG
GOLDPLEX FG 35 LB. PAIL	

For pricing and availability contact Emerson Power Transmission customer service at (800) 626-2120.



Product Specifications

Thickener Type	Calcium Sulfonate
Texture	Smooth
Color	White
60-Stroke Penetration, ASTM D 217, 77F	265-295
Dropping Point, ASTM D 2265, F (C)	572 (300)
Oxidation Stability, ASTM D 942, Psi Drop/100	1
Rust and Corrosion Protection, ASTM D 1743	Pass
Modified with 5% Synthetic Seawater	Pass
Water Washout, ASTM D 1264, 175F, %	2.75
Timken* OK Load, ASTM D 2509	65
4-Ball EP, ASTM D 2596 Weld Pt. Kg	620
4-Ball Wear, ASTM D 2266, Scar Dia. Mm, 40 kg	0.45
Oil Separation, ASTM D 1742, Mass %	0.2
Base Oil Viscosity SUS @ 100F	523
Base Oil Viscosity cSt @100C	10.5
Base Oil Viscosity cSt @ 40C	100
NLGI #	2
Operating Temperature Range	-40F to 350F

WHITE

GoldPlex-FG: Indicates food grade mounted bearing grease for use in a wide variety of bearing applications in the food and beverage industries.

High Temperature Solutions

In addition to **GoldPlex-HP** and **GoldPlex-FG**, Sealmaster utilizes a full array of *high temperature lubricants* via the **CUSTOM SELECT™** product line. For more information, consult the **CUSTOM SELECT™** handbook or contact Emerson Power Transmission Customer Service at (800) 626-2120.

Product Suffix	Lubricant	Sealing Element	Other Custom Features
HT	Synthetic high temperature	Nomex* seals	Increased internal clearance
HI	Krytox*-226	Nomex* seals	Increased internal clearance
HTC	Synthetic high temperature	High temp rubber seals	Increased internal clearance
HTA	Synthetic high temperature	Nomex* seals	Increased internal clearance, air handling fit; factory noise test

* Timken is a trademark and/or trade name of The Timken Company.

* Nomex and *Krytox are trademarks and/or trade names of E. I. du Pont de Nemours and Company.

These trademarks and/or trade names are used herein for comparison purposes only and are not trademarks and/or trade names in any way owned, controlled or associated with Emerson Power Transmission Corporation. Emerson Power Transmission does not warrant the accuracy of the information contained in this document. All interchanges should be compared with actual current specifications and/or manufacturing drawings. For a copy of our standard terms and conditions, contact Emerson Power Transmission at 1-800-626-2120.

** Source: Combined published industry data and Emerson-EPT compiled records. For more details visit www.emerson-ept.com.

Principle of Operation

GoldPlex-SPL (V) is used in single bearing direct or remote applications for automatic bearing relubrication.

GoldPlex-SPL (V) utilizes inert nitrogen (N2) gas, generated via an electrolyte and electrical energy. Pressure is generated above the piston and lubricant is dispensed through an outlet at the base of the unit. With a self-contained microprocessor, **GoldPlex-SPL (V)** has a one to twelve month variable dispensing rate, allowing the lubricant to be delivered in an accurate and timely manner.



Performance Advantages

- **Unit Construction:** High strength polymer design
- **Variable Control Pad:** Easy to use control pad allows for variable lubricant dispensing without the need to use and stock a series of activator keys or rubber control rings
- **Unit Inspection:** Clear base provides quick and easy inspection
- **250cc Grease Capacity:** Twice the grease fill of other gas power lubricators equals twice the replacement interval
- **Purge Function:** Purge function can be used when back-pressure exists or when the lube line is clogged
- **Corrosion Resistance:** GoldPlex-SPL (V) is supplied with clear plastic cover to protect its variable control pad

GoldPlex-SPL (V) design dispenses an accurate, predictable and fresh amount of lubricant and is used in a wide variety of industrial applications.

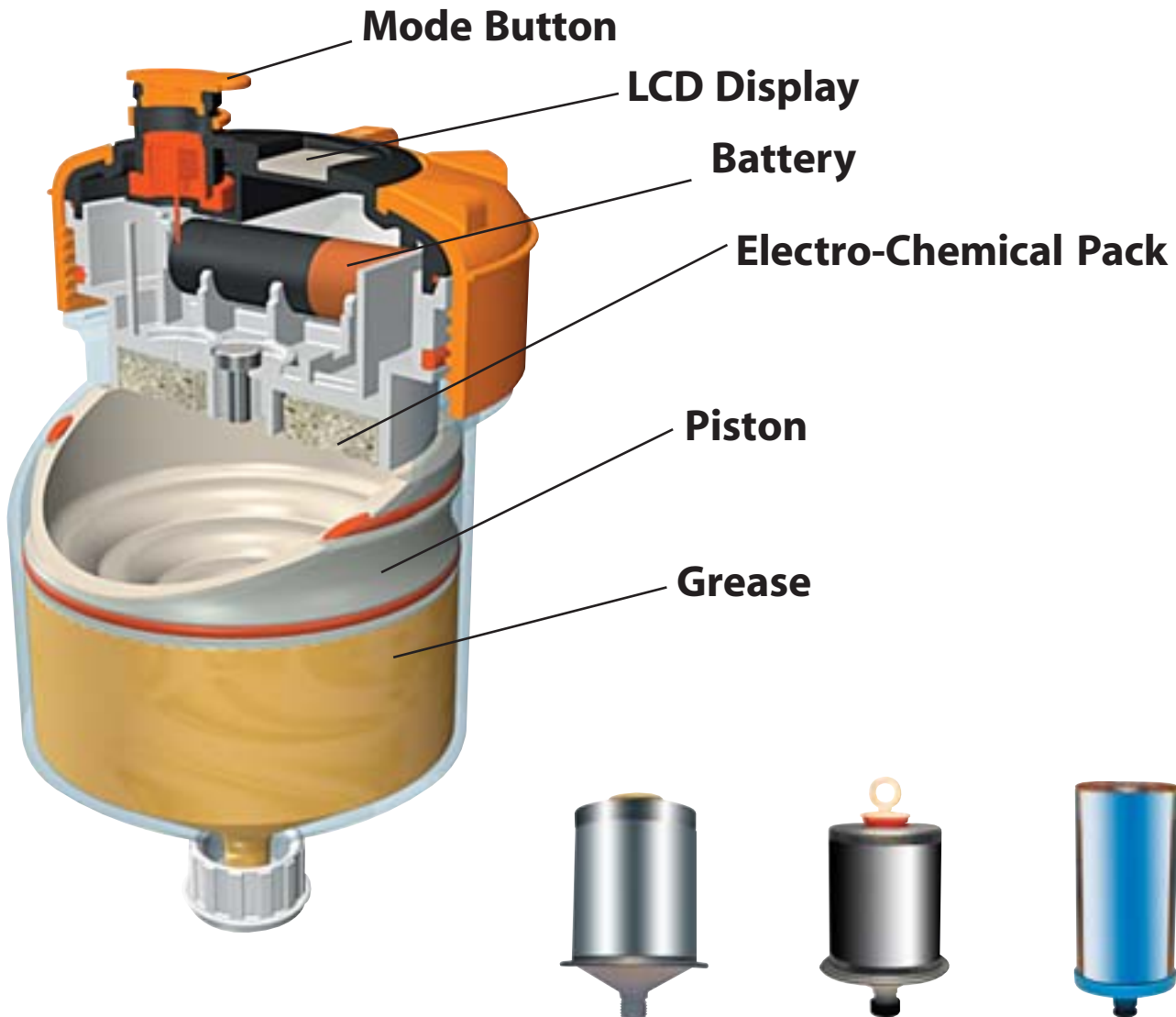
Use GoldPlex-SPL (V) lubricators where one or more of these conditions apply:



- **Contamination is present**
- **The ambient environment is damp or corrosive**
- **Bearing access is limited or difficult**
- **Maintenance costs must be minimized**

Operating Range			
Model	Lubricant Volume	Temperature Range	Maximum Lube Line Distance
SPL-HP250-V	8 fl. oz (250cc)	40°F to 90°F (4°C to 32°C)	3 feet (1 meter)

GoldPlex-SPL (V) vs. the Competition



Feature	GoldPlex-SPL (V)	Competitor 1	Competitor 2	Competitor 3
Working Mechanism	Electro-Chemical (Nitrogen Gas)	Chemical (Explosive Hydrogen Gas)	Chemical (Explosive Hydrogen Gas)	Chemical (Explosive Hydrogen Gas)
Chamber Max Capacity	250cc	120cc	120cc	125cc
Chamber Material	Transparent Polycarbonate Reservoir	Steel Casing	Plastic Casing	Transparent PET Housing
Output Adjustability	Push Button; LCD Screen	Color Coded Plug	Color Coded Plug	Adjustable Dial
Stop / Start	Immediate	N/A	N/A	Immediate
Max Operation Pressure	70 PSI (5 bar)	65 PSI	65 PSI	50 PSI
Operation Indication	Blinking Green LED	N/A	N/A	N/A
Grease Type	Sealmaster GoldPlex-HP	NGL1# 1	NGL1# 1	NGL1# 1
Remote Installation	Within 3 feet (1 meter)	Within 3 feet (1 meter)	Within 3 feet (1 meter)	N/A

For continuous (twenty-four hour) operations, please consult Sealmaster engineers.

Principle of Operation

GoldPlex-SPL (EM) is a refillable unit for use in a single bearing or one to eight bearing remote applications. The unit allows for automatic bearing relubrication by simply replacing the grease pouch.

GoldPlex-SPL (EM) is a programmable piston pump reduplicating device that can service multiple bearings. Pressure is generated above the piston and lubricant is dispensed through an outlet at the base of the unit. GoldPlex-SPL (EM) uses a self-contained microprocessor to offer a one to twelve month variable dispensing rate. This computerized dispensing method enables you to tune accurate and reliable lubricant delivery to your application.



Performance Advantages

- | | |
|---------------------------------|---|
| • Efficient Lubrication: | Use one GoldPlex-SPL (EM) unit to service up to eight bearings |
| • Unit Construction: | High strength polymer design |
| • Variable Control Pad: | Easy to use control pad allows for variable lubricant dispensing without the need to use and stock a series of activator keys or rubber control rings |
| • Inspection Capability: | Clear top for quick and easy inspection |
| • Grease Capacity: | 125cc or 250cc units, sized to match your specific lubrication needs |
| • Corrosion Resistance: | A clear plastic cover to protect variable control pad |
| • Grease Type: | Factory filled with Sealmaster GoldPlex-HP grease |

GoldPlex-SPL (EM) is designed to dispense a predictable and fresh supply of lubricant in a wide variety of industrial applications. Use the EM model for roller bearings, medium to large ball bearings or multiple bearing systems.

Use GoldPlex-SPL (EM) lubricators where one or more of these conditions apply:

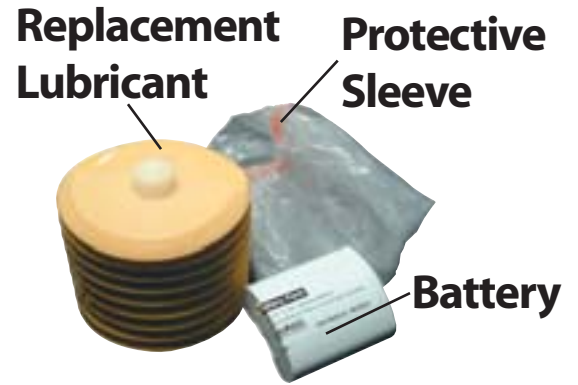
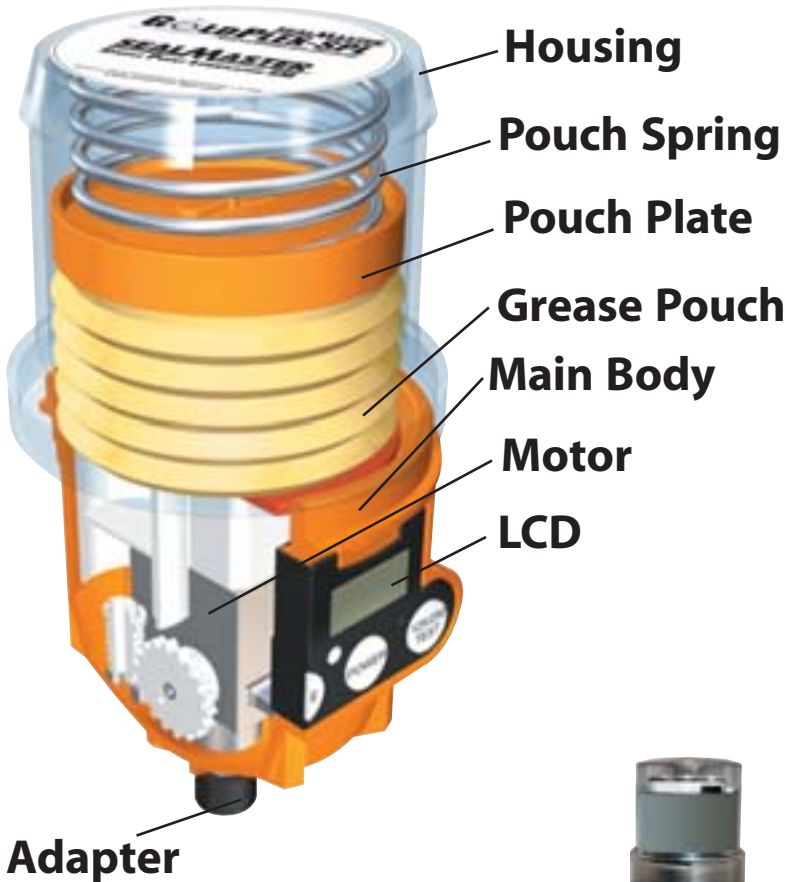


- **Multiple units need to be relubricated**
- **The ambient environment setting is damp or corrosive**
- **Applications are not inspected frequently**
- **Maintenance costs must be minimized**

Operating Range

Model	Lubricant Volume	Temperature Range	Maximum Lube Line Distance
SPL-HP125-EM	4 fl. oz (125cc)	-5°F to 140°F (-20C to 60C)	30 feet (9 meters)
SPL-HP250-EM	8 fl. oz (250cc)	-5°F to 140°F (-20C to 60C)	30 feet (9 meters)

GoldPlex-SPL (EM) vs. the Competition



Replaceable Service Packs		
Capacity	125cc	250cc
Description	SPL-HP 125RF-EM	SPL-HP 250RF-EM
Part Number	710626	710627



Feature	GoldPlex-SPL (EM)	Competitor 1	Competitor 2	Competitor 3
Working Mechanism	Vertical Feed Pump System	Mechanical Clock Work Device	Mechanical Clock Work Device	Spring Loaded Positive Displacement Pump
Chamber Max Capacity	125cc, 250cc	60cc, 120cc, 250cc	120cc	120cc, 240cc, 480cc
Chamber Material	Transparent Polycarbonate Reservoir	Transparent Plastic Casing	Semi-Transparent Plastic Housing	Transparent Plastic Housing
Control Mechanism	Mode Button	Dip Switch	Dip Switch	Timer Rings
Indication System	LED Lamp on LCD Screen	LED Lamp	LED Lamp	N/A
Stop / Start	Immediate	Immediate	Immediate	N/A
Max Operation Pressure	* 800 PSI (60 bar)	75 PSI	75 PSI	350 psi
Grease Type	Sealmaster GoldPlex-HP	NLG1# 1	NLG1# 1	NLG1# 1
Remote Installation	Within 30 feet (9 meters)	Within 3 feet (1 meter)	Within 3 feet (1 meter)	Within 30 feet (9 meters)
Number of Bearings to Service	Up to 8 Bearings	Single Point	Single Point	Up to 12 Bearings

* Drive pressure prior to motor stall.

Select Your GoldPlex-SPL Lubricator

Refer to pages 12-15 for GoldPlex-SPL selection.



Single Point Lubricator (V)
SPL-HP250-V



Single Point Lubricator (EM)
SPL-HP125-EM
SPL-HP250-EM

Select Your Lubrication Method Direct Bearing Lubrication

Single Bearing
(no kit required).



Unit Part Number	
	SPL-HP250-V (710623)
	-

Unit Part Number	
	SPL-HP125-EM (710624)
	SPL-HP250-EM (710625)

Remote Bearing Lubrication

Specify unit and kit part number when ordering.

(For illustration example see pages 18 and 19).



SPL-HP KIT-8EM



SPL-HP KIT V

Unit Part Number	
	SPL-HP250-V (710623)
Number of Bearings	1 SPL-HP KIT-V (710714)
	2 -
	4 -
	6 -
8 -	

Unit Part Number	
	SPL-HP125-EM (710624)
	SPL-HP250-EM (710625)
Number of Bearings	1 * SPL-HP KIT-EM (710715)
	2 * SPL-HP KIT-2EM (710716)
	4 * SPL-HP KIT-4EM (710717)
	6 * SPL-HP KIT-6EM (710718)
	8 * SPL-HP KIT-8EM (710719)

* Utilizes nylon 6 heavy wall tubing rated to 600 PSI.

Select Your Replaceable Service Packs For (EM) Units



Part Number		
SPL-HP125-EM (710624)		SPL-HP250-EM (710625)
SPL-HP125RF-EM (710626)	125cc	SPL-HP125RF-EM (710626) 125cc
		SPL-HP250RF-EM (710627) 250cc

Note: The 125cc can also be used in the 250cc unit.


Accessories and Accessibility

Sealmaster also provides a variety of accessories to meet the needs of your **GoldPlex-SPL applications**. Reducers and sockets allow you to fit the single point lubricator onto the bearing for a direct mount.

Sealmaster engineers understand that space is sometimes limited, which may restrict direct installments. Utilizing accessories, the units may be installed horizontally, vertically, or at different angles if needed. Forty-five degree and ninety degree fittings can be used as well as extensions and tubing for even more flexibility. Remote lubrication of up to eight bearings can be achieved using the divider blocks. Replaceable service packs are also available for the **GoldPlex-SPL (EM)** unit so you can save time and money by reusing the unit. This pack includes a replacement grease pouch, batteries and a protective unit cover.

The chart below indicates the variety of GoldPlex-SPL accessories available, and indicates which accessories are included in the installation kits. Consult Sealmaster application engineers for more information.

Accessory Part Re-order Chart

Accessories *		Kits					
Part Number	SPL-HP KIT-V (710714)	SPL-HP KIT-EM (710715)	SPL-HP KIT-2EM (710716)	SPL-HP KIT-4EM (710717)	SPL-HP KIT-6EM (710718)	SPL-HP KIT-8EM (710719)	
 SPL-DB4 (710720)			1	1			
 SPL-DB6 (710724)					1		
 SPL-DB8 (710725)						1	
 SPL-5/16OD TUBE 3 (710727)	3 FEET						
 SPL-1/4OD TUBE 10 (710728)		10 FEET	10 FEET	20 FEET	30 FEET	40 FEET	
 SPL-MTBK (710729)	1	1	1	1	1	1	
 SPL-CROSSPORT (710731)			2				
 SPL-3/8F x 1/4M ADAPTER (710732)							
 SPL-3/8F x 1/8M ADAPTER (710733)	1	1	1	1	1	1	
 SPL-1/4F x 1/4F SOCKET (710734)							
 SPL-1/8F x 1/8F SOCKET (710735)	1	1	1	1	1	1	
 SPL-1/8x50 PIPE CON (710736)			1	1	1	1	
 SPL-WASHER (710737)	1	1	1	1	1	1	
 SPL-SCREW (710738)	3	3	3	3	3	3	
 SPL-PC8-PT1/8F TUBE FIT (710739)	2						
 SPL-N6x4 PT 1/8 TUBE FIT (710740)		2	4	8	12	16	
 51942 ADAPTER (710833)			2	4	6	8	
 45120 ADAPTER (710834)			2	4	6	8	

* Accessories packed one per package except for SPL screws (three per package). Order quantity specified per kit.

Use of high quality lubrication lines are recommended. For most applications, heavy wall nylon 6 tubing with a maximum rating of 600psi can be employed. For conditions where line pressure may exceed 600psi, steel lines should be used.

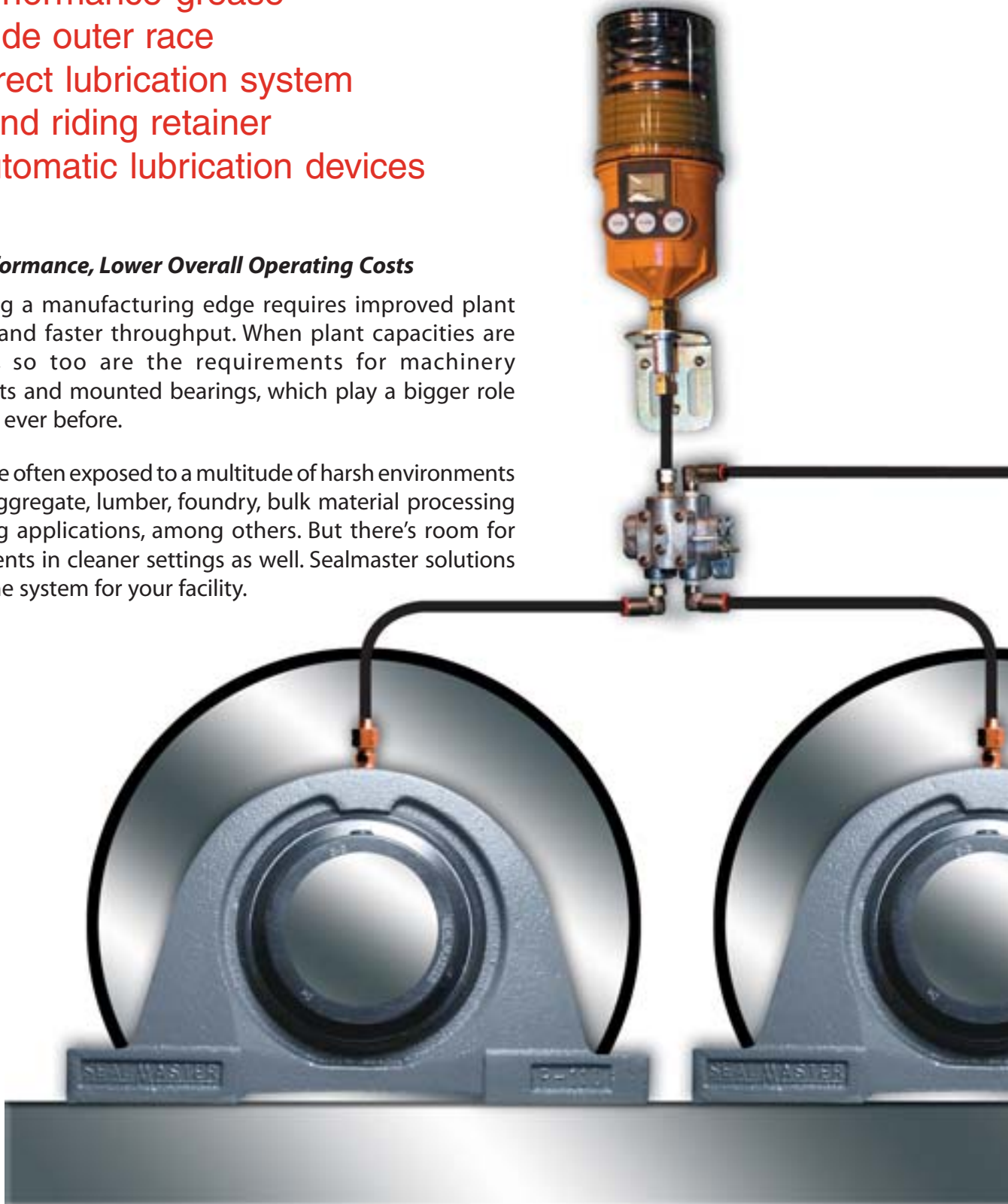
A Total Integrated Bearing Solution

- Performance seals
- Performance grease
- Wide outer race
- Direct lubrication system
- Land riding retainer
- Automatic lubrication devices

Better Performance, Lower Overall Operating Costs

Maintaining a manufacturing edge requires improved plant efficiency and faster throughput. When plant capacities are increased, so too are the requirements for machinery components and mounted bearings, which play a bigger role today than ever before.

Bearings are often exposed to a multitude of harsh environments found in aggregate, lumber, foundry, bulk material processing and mining applications, among others. But there's room for improvements in cleaner settings as well. Sealmaster solutions give you the system for your facility.



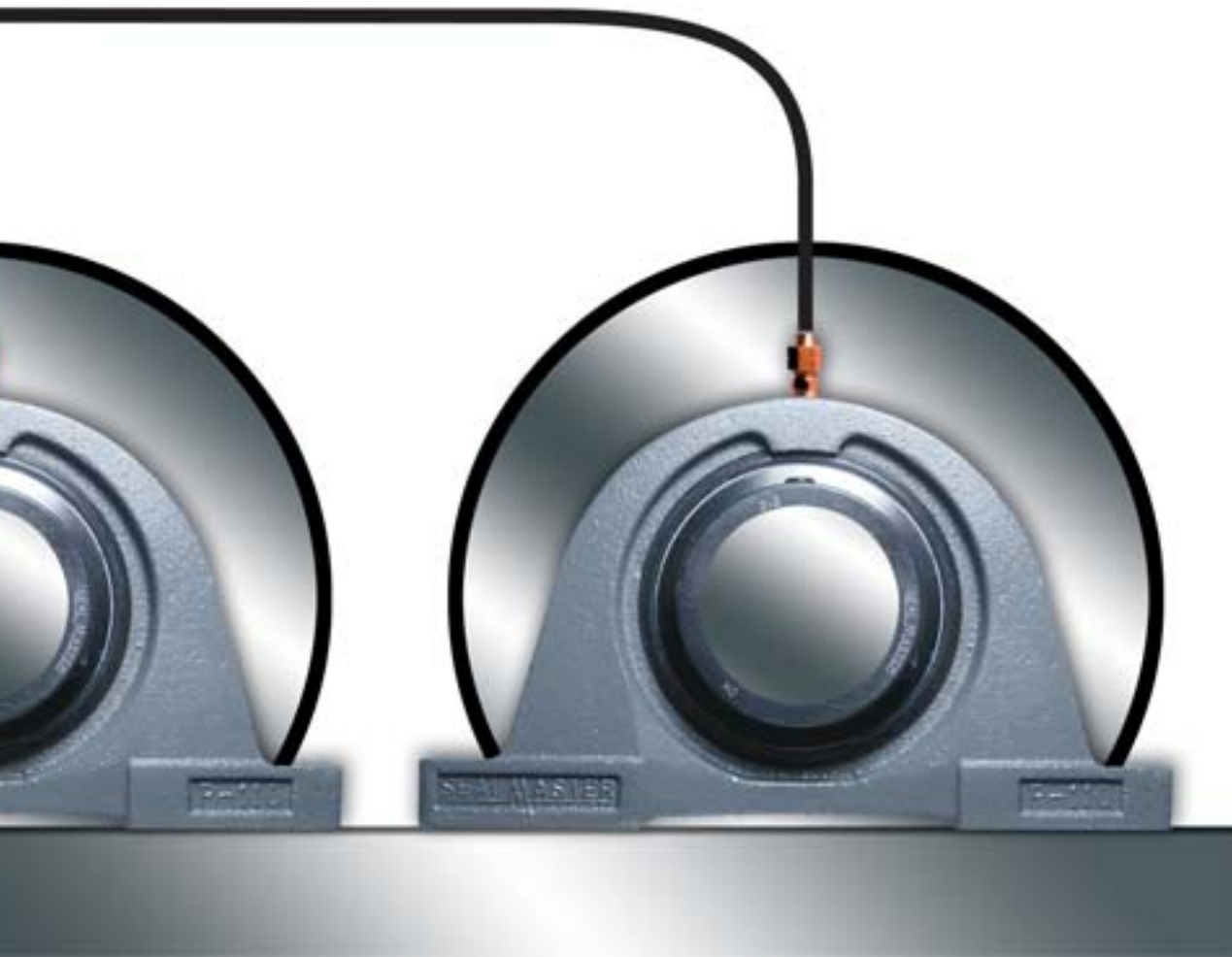
Results in Customer Savings

- System uptime
- Reduced maintenance costs
- Higher equipment efficiency
- Increased profits
- Reduced plant downtime

Longer life. Less maintenance. More uptime. The future of your business depends on continuous improvement in these key areas, and that includes your demand that bearings provide outstanding performance without compromise.

To help meet these challenges our Sealmaster brand bearings are built around an integrated three-step design platform that incorporates an assortment of exclusive seal solutions, performance greases, land riding retainer, large grease cavity and a direct lubrication system.

Our automatic lubrication devices supplement these features and provide a means for reliable, scheduled lubrication.



SEALMASTER®

PERFORMANCE WITHOUT COMPROMISE

Sealmaster offers unique features tailored to your application needs:

- Custom-assembled solutions ready to ship in nine days or less.
- A family of specially formulated lubricants to maximize running performance.
- An assortment of seals for protection in a variety of environments.

A family of bearing solutions available when you need them so you won't have to compromise.



APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Emerson Power Transmission Corporation and its divisions with respect to the use of products and components is given in good faith and without charge, and Emerson assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

For a copy of our Standard Terms and Conditions of Sale, Disclaimers of Warranty, Limitation of Liability and Remedy, please contact Emerson Power Transmission Customer Service at 1-800-626-2120. These terms and conditions of sale, disclaimers and limitations of liability apply to any person who may buy, acquire or use an Emerson Power Transmission Corporation product referred to herein, including any person who buys from a licensed distributor of these branded products.

www.emerson-ept.com
Connect Here To Be Part of Something Bigger

Emerson Power Transmission
909 N. Lafayette Street • Valparaiso, IN 46383

For additional information contact:

Sealmaster Application Engineering and Mounted Bearing Technical Services - (219) 465-2211

Emerson Power Transmission Customer Service - (800) 626-2120