



the power of
EPT

SEALMASTER

Browning

**CRES Mounted
Ball Bearings**
*Corrosion Resistant
Engineered Solution*




EMERSON
Industrial Automation

EMERSON. CONSIDER IT SOLVED.

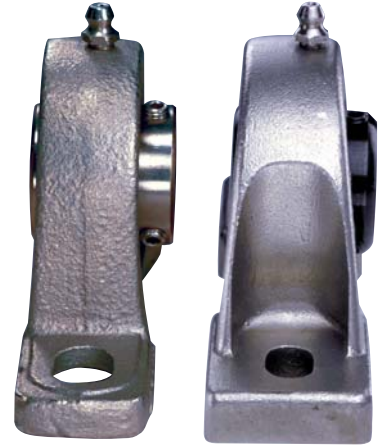
We Offer Answers.....



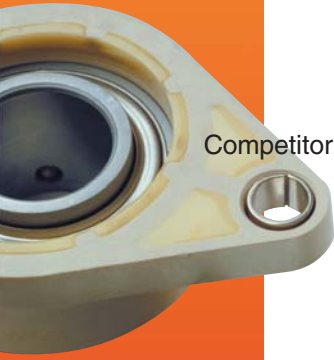
“What’s Growing Here?”

Problem: *“In my opinion surface finish is a major problem for bearings & other components I inspect. They continually fail swab and bio-luminescent bacteria detection tests due to excessively high surface porosity. A great example would be the stainless steel bearings used in the plant where I work”.*

Answer: When we designed our CRES Bearings, we DID sweat the small stuff. SEALMASTER and BROWNING stainless steel housings are designed to minimize excessive pitting and surface roughness. This feature results in fewer bacteria growth areas and in units that are easily cleaned and sanitized.



Competitor Unit CRES Unit



Competitor Unit



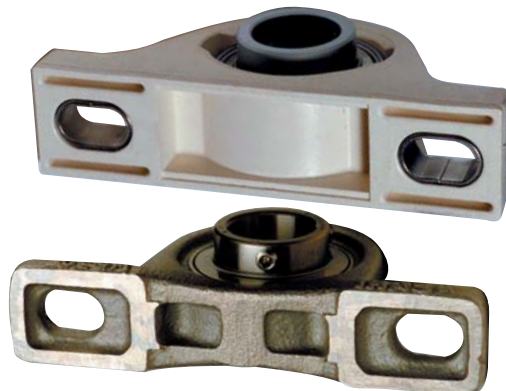
“Give Me Fewer Entrapments & Fewer Headaches.”

Problem: *“I use corrosion resistant bearings, but these hollow housing bases are driving me crazy! This composite bearing bolt hole ferrule is another perfect example of an entrapment point for bacterial growth. They’re difficult to clean, and as a result I am always concerned about receiving a FDA 483 Notice. This plant’s HACCP procedure calls attention to these problem areas but bearing vendors need to understand the requirements of the food processing marketplace. They need to design products that address these issues”.*

Answer: Elimination of gaps and crevices was a top priority in product development. Both our stainless steel and composite housings are designed to eliminate typical entrapment points. All housings have a solid mounting surface (molded or machined without the need for a secondary filling process). Attention to detail resulted in products with the best features available, including bolt hole ferrules designed to minimize protrusions or gaps.



CRES Unit



Competitor Units



CRES Units

... To your Contamination & Failure Problems.



Competitor Units



“What Do I Re-Order?”

Problem: “Today a maintenance supervisor brought me two failed bearings to reorder. The first had no unit identification number, only a printed manufacturers logo. The second unit had only half of the identification sticker remaining. In both cases I was unable to determine the reorder part number, and in the second example I can only guess where the other half of the sticker wound up.... I hope not in our finished product”.

Answer: When you buy a product that works identification is important. We developed a unique permanent surface marking process and will incorporate it on all of our CRES products. No paper or plastic “fly away” stickers. No “disappearing” ink. The brand and part description will be there when it comes time to reorder.



CRES Units



“One Bearing Just Won’t Do”!

Problem: “This bearing is OK for this particular application, but different areas of my plant demand different degrees of performance. A “One Size Fits All” corrosion resistant bearing is overkill in some areas and I am paying too much. In my toughest applications, this product is unacceptable. I need something better! When will the bearing companies learn I need the flexibility of a broad range of products to make the correct choice for each and every area of my plant. I am still looking for a solution where I have a zero tolerance for rust”.



Competitor “One Size Fits All” Unit



Answer: The most important feature we offer is not in any individual product. What you get from the EPT combination of SEALMASTER and BROWNING is a complete line of Corrosion Resistant Engineered Solutions (CRES). This means Superior Technology, Engineering Excellence, and High Quality Manufacturing. Products specifically developed for the broad range of applications where corrosion resistance is a must.



■ for *Healthy Peace of Mind*

For years, you've **SUFFERED** the consequences of using "standard bearings" in your "non standard" production environment...

You've been **FORCED** to pay the price of premature bearing failure, lost production time, and costly unscheduled repair...

You've endured the **AGONY** of trying one bearing after another provided by companies operating under the "one size fits all" philosophy...

YOUR SEARCH IS OVER...



Emerson Power Transmission is pleased to introduce CRES Mounted Ball Bearings. Seven distinctive product lines designed to meet the widest range of plant applications.

CRES CZ



Housing: **Composite**
Insert: **Zinc Coated**

End Cap: **Available**
Shield: **Available**

Housing Styles

Pillow Block
2 Bolt Flange
4 Bolt Flange
Tapped Base

Bore Sizes

3/4, 1, 1 3/16,
1 1/4, 1 7/16,
1 1/2



See Flyer CRES CZ-04 or visit www.emerson-ept.com for more information.

CRES CS



Housing: **Composite**
Insert: **400 Series Stainless Steel**

End Cap: **Available**
Shield: **Available**

Housing Styles

Pillow Block
2 Bolt Flange
4 Bolt Flange
Tapped Base

Bore Sizes

3/4, 1, 1 3/16,
1 1/4, 1 3/8,
1 7/16, 1 1/2



See Flyer CRES CS-04 or visit www.emerson-ept.com for more information.

CRES SS



Housing: **300 Series Stainless Steel**
Insert: **400 Series Stainless Steel**

End Cap: **Not Available**
Shield: **Not Available**

Housing Styles

Pillow Block
2 Bolt Flange
4 Bolt Flange
Tapped Base
Insert

Bore Sizes

3/4, 1, 1 3/16,
1 1/4, 1 3/8,
1 7/16, 1 1/2



See Flyer CRES SS-04 or visit www.emerson-ept.com for more information.

ACCESSORIES

End Cap

- Available in Open & Closed Configurations
- Easy Installation and Removal
- Can be Installed on Front & Back Side of:
 - Pillow Block Housings
 - Tapped Base Housings



Backside Shield

- Available on 2 and 4 Bolt Flanges
- Stainless Steel Shield
- 2 Rubber Gaskets Seal on the Shaft
- Protects Inserts Seals
- Isolates Inserts from Continuous Splash
- Drain Slot Reduces Moisture Build-Up



Also Look For...

SEALMASTER



ERX-T CR

The Original Concentric Locking, Corrosion Resistant Insert

ERX-TREME™ CR bearings are the first corrosion resistant SKWEZLOC® inserts. The concentric locking mechanism reliably clamps to stainless steel shafts which are frequently found in corrosive environments. Each component of the ERX-TREME™ corrosion resistant bearings is made with a corrosion resistant coating to help protect from rusting. Thin Dense Chrome (TDC) coats the races and retaining ring. The collar and flingers are coated with the SEALMASTER Fluoropolymer that has been made famous by the Beverage Bearing housing. The collar cap screw is coated with a zinc phosphate protective layer. Stainless steel balls and food grade grease are also standard.

ERX Corrosion Resistance Availability

Size	3/4	1	1 3/16	1 1/4R	1 1/4
T CR	x	x	x	x	x

Size	1 3/8	1 7/16	1 1/2	1 11/16	1 3/4
T CR	x	x	x	x	x

Size	1 15/16	2 3/16	2 7/16
T CR	x	x	x

See Catalog ERX-98 For More Information

A Better Design...

for

**Healthy
Peace
of Mind**

TDC GOLD



Housing: **Composite**
Insert: **TDC Coated Insert**

End Cap: **Available**
Shield: **Available**

Housing Styles

- Pillow Block
- 2 Bolt Flange
- 4 Bolt Flange
- Tapped Base

Bore Sizes

- 3/4, 1, 1 3/16,
- 1 1/4, 1 7/16,
- 1 1/2



See Flyer TDC-04 or visit www.emerson-ept.com for more information.

CR GOLD



Housing: **316 Series Stainless Steel**
Insert: **Black Oxide Coated Insert**

End Cap: **Available**
Shield: **Available**

Housing Styles

- Pillow Block
- 2 Bolt Flange*
- 4 Bolt Flange
- Flange Bracket*

Bore Range

- 3/4" - 2"
- 3/4" - 2"
- 3/4" - 2"
- 3/4" - 1 7/16"

*Consult Factory For Complete Offering



See Flyer CRG-04 or visit www.emerson-ept.com for more information.

BEV GOLD



Housing: **316 Series Stainless Steel**
Insert: **TDC Coated Insert**

End Cap: **Available**
Shield: **Available**

Housing Styles

- Pillow Block
- 2 Bolt Flange*
- 4 Bolt Flange
- Flange Bracket*

Bore Range

- 3/4" - 2 7/16"
- 3/4" - 2 7/16"
- 3/4" - 2 7/16"
- 3/4" - 1 7/16"

*Consult Factory For Complete Offering



See Flyer BEV-04 or visit www.emerson-ept.com for more information.

Coming Soon...



CRX-TREME
The Ultimate in
Corrosion Resistant
Technology

Housing: **Stainless Steel**
Insert: **CRX-343**

CRES Web www.emerson-ept.com

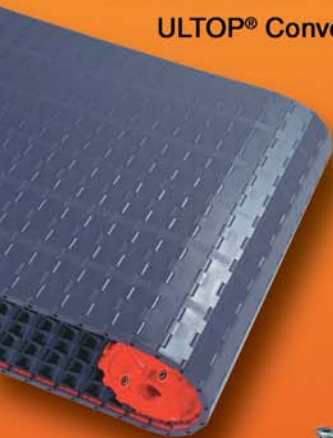
- Extensive Product Information
- Interactive Product Selection Database
- Product Interchange Database

- General Engineering Information
- Up to the minute CRES News and Information

CRES Products

Morse

ULTOP® Conveying Chain



Morse

Stainless Steel RAIDER®



McGILL

Stainless Steel Cam Followers



Morse

Corrosion Resistant Roller Chain



Browning

Stainless Steel Sprockets

Emerson Power Transmission Customer Service

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Fax 1-800-262-3292

Mounted Bearings Technical Customer Service

Aurora, IL 60504
630-898-9620



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.

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www.emerson-ept.com

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