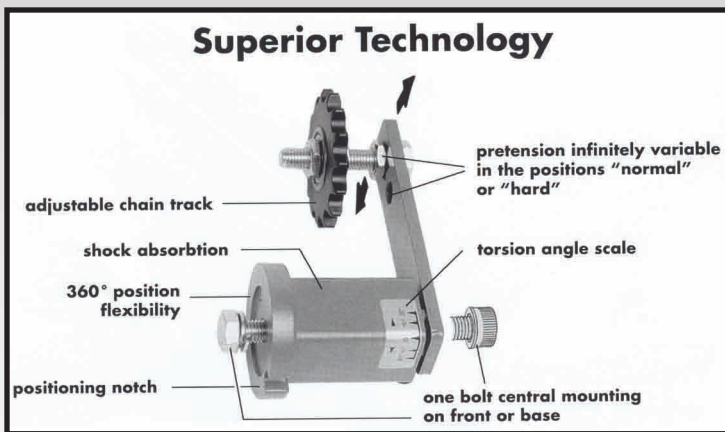




Lovejoy® Product Fact Sheet



Commonly Asked Questions About:



Lovejoy® ROSTA® Stainless Steel Tensioners

- Self adjusting.
- Chain and belt life is increased.

Q: How do Lovejoy ROSTA Stainless Steel Tensioners work?

A: Lovejoy ROSTA Stainless Steel Tensioners utilize a rubber based torsion element as a pivot point. This design allows the base to compensate for normal belt stretch (eliminating the need for adjustment) and to "flex" with the system during heavy load conditions such as start-up and shut down (eliminating belt hop and screech).

Q: How is the size of a Lovejoy ROSTA Tensioner determined?

A: If you know the size of the component you are tensioning (1A Belt, 1C Belt, Chain size), you can use our selection table along with the help of a Lovejoy Representative to cross reference to the appropriate size tensioner.

Q: Are Lovejoy ROSTA Stainless Steel Tensioners difficult to install?

A: No. Lovejoy ROSTA Tensioners are simple to install using only three steps.

1. Bolt the tensioner to the equipment
2. Align tensioner to the drive
3. Pretension ROSTA element

Q: How often do I have to retension the Lovejoy ROSTA Stainless Steel Tensioner?

A: Never. The Lovejoy ROSTA Tensioner automatically compensates for chain and belt stretch.

Q: How long will the Lovejoy ROSTA Tensioner last?

A: You can expect 15 years or more of continuous operation from a Lovejoy ROSTA Tensioner.

Lovejoy ROSTA Oscillating Suspension System

- Long-life. Typically last 5 - 10 times longer than coil springs.
- Reduce peak transmitted forces which increases life of side plates, frames, supporting steel work mechanisms, bearings and belts.

Q: What is the warranty on the Lovejoy ROSTA Oscillating Suspension System?

A: Lovejoy ROSTA Oscillating Suspension System comes with a 2 year limited warranty on parts. In most cases, you should expect 15 years or more of continuous operation with a Lovejoy ROSTA Oscillating Suspension System.

Q: How do Lovejoy ROSTA Oscillating Suspension Systems work?

A: Lovejoy ROSTA Oscillating Suspension Systems utilize a series of 4 rubber based torsion elements as coil spring suspension replacement. This configuration provides lateral stiffness (eliminates the need for costly "side-snubbers") that cannot be achieved with conventional coil springs. Also, the rubber elements damp vibration and are very effective as an isolation mount.

Q: How do you select a ROSTA Oscillating Suspension System?

A: Lovejoy provides our customers with a detailed screen mount selection worksheet. By simply answering a few questions, Lovejoy can provide a quote in a matter of days.

Q: Are ROSTA Oscillating Suspension Systems difficult to install?

A: No. Since the Lovejoy ROSTA Oscillating Suspension Systems can be specified to retrofit almost any shaker screen, they are simply bolted to mounting plates on the screen.

Q: Who supplies the mounting plates?

A: Typically the mounting plates are fabricated by the end user if they have machine shop capabilities. Mounting plate drawings are provided with a quote.

Q: What if I buy a new screen, can I still use the Lovejoy ROSTA Suspension System on it?

A: Absolutely. Lovejoy ROSTA Oscillating Suspension System can be fitted to nearly any screen - old or new.

Q: Will a Lovejoy ROSTA Oscillating Suspension System withstand heavy washdowns?

A: Yes, the Lovejoy ROSTA Oscillating Suspension System is resistant to dirt, water, sand and gravel particles. It is tear and overload resistant and can withstand temperatures from -40°F to 180°F.

Q: Can I expect a reduction in noise levels between the coil spring and the Lovejoy ROSTA Oscillating Suspension System?

A: Yes, because vibration is absorbed through the rubber elements, with no metal-to-metal contact, noise is effectively eliminated.

Q: Will I have to modify my feed chute?

A: During the oscillating element selection process, the desired screen height is taken into account on where to place the mounting plates. Therefore, in most cases, the feed chute does not need to be modified.

Q: Can someone be on-site for installation?

A: Absolutely! Lovejoy's nationally distributed sales force is on hand to assist with installations. In addition, our Applications Engineering group is at your disposal.

Lovejoy Stainless Steel Jaw Couplings

- Maximum torque rating of 3,620 in-lbs
- 4 different insert materials
- Interchangeable with standard Lovejoy product line
- Available from SS095 to SS150
- In-stock, finished or rough stock bore

Coupling Warranty

- Lovejoy couplings come with a ONE YEAR limited warranty on parts

Q: What is the difference between the Lovejoy Stainless Steel Jaw Coupling and other coupling suppliers?

A: Lovejoy offers its most popular jaw coupling sizes (L095-L150) at a reduced price level from traditional bar stock steel levels. Lovejoy achieved this through exploring innovative manufacturing techniques. Sizes SS095 through SS100 are made from a more economical casting method. The sizes SS110 and SS150 are actually made from powdered stainless steel. Use of this technology allows Lovejoy to offer a stainless steel jaw product at a more affordable level to the customer.

Q: What are some of the advantages of the other hub material options from Lovejoy?

A: The standard sintered iron product provides the most value to the customer due to its economical price. The aluminum hub option offers the benefits of lightweight material and rust resistance which is more economical than stainless steel. Application details such as environment, chemical exposure, and cost are just a few of the factors that should be considered in choosing the correct hub material.

Q: Is the Lovejoy Stainless Steel Jaw product compatible with the standard product offering?

A: The stainless steel jaw product line has the same dimensions as the standard product. All of the spider options: Buna-N, Urethane, Urethane Jaw In Shear, Hytrel, and Bronze are available for use with the stainless steel hubs. The chemical and environmental exposure to the coupling should be taken into consideration when selecting the correct spider. The Lovejoy catalog has a very helpful chart to help guide users towards the right selection located on page ED-13 titled the Sleeve and Flexible Element Chemical Resistance Chart.

Q: Which bar stock type is similar to Lovejoy's stainless steel offering?

A: The materials used in manufacturing the stainless steel jaw product are similar to 303 stainless steel bar stock.

Q: What is the stock bore availability for the standard Lovejoy sintered iron product?

A: Lovejoy Inc. stocks a wide variety of standard inch bore and keyway sizes from L035-L276. Lovejoy also stocks a large variety of metric bore and keyway combinations and SAE Spline bores. Through the use of Lovejoy's Quick Ship program, hundreds of other bore and keyway combinations are available within 24 to 48 hours.

Lovejoy Jaw In-Shear Couplings

- Utilizes standard jaw type hubs with unique elastomer.
- Special urethane elastomer is wider and operates in-shear place.
- Stainless steel ring uses no fasteners and twist-locks into place.
- Higher misalignment rating than standard in-compression jaw.
- Torque ratings comparable to urethane in-compression.
- Can be used with aluminum or stainless steel hubs.
- Large opening in center allows shaft end positioning flexibility.

Coupling Warranty

- Lovejoy couplings come with a ONE YEAR limited warranty on parts

Q: What are the benefits of the Lovejoy Jaw In-Shear coupling over the standard jaw design?

A: The Jaw In-Shear design utilizes a quick change feature that allows for spider replacement without moving either hub. Standard Lovejoy couplings can be upgraded to this design by adding the Jaw In-Shear Ring and Spider.

Q: What types of hub options are available for the Lovejoy Jaw In-Shear design?

A: The Jaw In-Shear offers customers several hub material options ranging from aluminum to stainless steel. A spacer Jaw In-Shear type is also available as a non-lubricated drop in replacement for the grid spacer style coupling.