

# **Lovejoy® Products For the Aggregate Industry**

Lovejoy flexible couplings and power transmission products address critical operational issues that face today's aggregate producer. We provide solutions that are resistant to corrosion, require no lubrication, lower maintenance and downtime costs, and reduce noise levels – all with the quality, value, and customer service you expect from Lovejoy.



## **Jaw In-Shear Couplings**

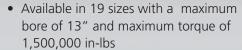
- Fast and easy assembly and element replacement
- 2° angular misalignment
- Radially removable insert
- Jaw hubs, rings and elements available from stock
- No tools needed to change element

## **Gear Couplings**

- Bore sizes from 7/16" to 44"
- Special styles available, including spacer, floating shaft, and stainless steel
- Interchangeable with industry standards
- Torque capacity to 54,000,000 in-lbs
- Vari-Crown® teeth increase coupling wear life
- High performance gear for extreme high speed applications, with reduced moment of inertia
- FARR Alignment-free drive couplings

## **Grid Couplings**

- Horizontal and vertical split cover designs
- Interchangeable with industry standards up to size 1200



- Provides torsional damping
- Drop-out spacers for pumps

## **Shaft Locking Devices**

- Zero backlash
- High torque transmission
- Keyless locking of shafts to hubs

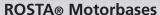


- Eliminates stress concentration on keyed shaft
- Adjustable for easy radial timing and axial alignment

## **ROSTA® Oscillating Elements**

- Typically lasts 5 10 times longer than conventional coil springs
- No metal-to-metal contact
- Resistant to corrosion and wear from aggregate particulate
- Damp vibration and reduces unwanted screen movements 5-10 times more efficiently than coil springs
- High absorption of

structure borne noise to help meet MSHA Noise Exposure Regulations



 Self adjusting to compensate for normal belt stretch eliminating power loss, overheating, belt hop and screech



- Damp harmful vibrations during start-up reducing wear-and-tear to other machine components
- Typically extend belt life by 30% resulting in less downtime
- Greatly simplifies belt changes, reducing labor and downtime costs

## **Common Applications**

Shaker Screen Excavators Crawlers Dozers Conveyors Crushers Skid-Steer Loaders Aerial Lifts Drill Rigs

Compressors Mining Trucks

Lovejoy, Inc. World Headquarters 630-852-0500 info@lovejoy-inc.com

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