



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



- Available in 19 sizes with a maximum bore of 13" and maximum torque of 1,500,000 in-lbs
- Provides torsional damping
- Drop-out spacers for pumps

Shaft Locking Devices

- Zero backlash
- High torque transmission
- Keyless locking of shafts to hubs
- Reduces maintenance time due to easy disassembly
- 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

ROSTA® Motorbases

- 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

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