



Lovejoy® Products For The Power Generation Industry

Lovejoy flexible couplings and power transmission products address critical operational issues that face today's power generation plants. 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.



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
- Type FL (labyrinth seal) is interchangeable with the industry standard
- Type C (continuous sleeve) takes less space, yet features the high torque concentration of other gear couplings
- High performance gear for extreme high speed applications, with reduced moment of inertia



Disc Couplings

- No need for lubrication
- Inspection without disassembly
- Torsionally rigid without any backlash
- No wearing parts
- High resistance to harsh environments
- Bore range to 10.5 inches
- 3,309,000 in-lbs of maximum torque
- Meets API 610, 671 standards
- Standard and special styles such as close coupled, spacer, drop out and long shaft



Jaw In-Shear Couplings

- Jaw hubs, rings and elements stock items
- Hub materials: sintered iron, stainless steel, and aluminum
- Radially removable urethane insert and stainless steel locking ring
- 2° angular misalignment
- No tools needed to change element, fast and easy assembly
- Bore sizes up to 9 inches
- Non-lubricated replacement for a grid spacer coupling



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 a maximum torque of 1,500,000 in-lbs
- Provides torsional damping
- Drop-out spacers for pumps



Shaft Locking Devices

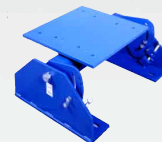
- Zero backlash
- No effect from dynamic, reversing or shock loads
- Keyless locking of shafts to hubs



- High torque transmission
- Reduces maintenance time
- Easy installation and disassembly
- Adjustable for easy radial timing and axial alignment

Lovejoy® 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 simplify belt changes, reducing labor and downtime costs



Lovejoy® ROSTA® Heavy Duty Tensioners

- Extends belt life
- Automatically compensates for belt stretch on large horsepower V-belt applications
- Continuously self adjusting
- Eliminates scheduled belt maintenance
- Extends motor life by providing proper radial loads on the output shaft bearing



Common Applications

Steam Turbines
GenSets
Pumps

Crushers
Fans
Blowers

Exhausters
Conveyors
Stacker Reclaimers