



# Lovejoy® Products For The Steel Industry

Lovejoy flexible couplings and power transmission products address critical operational issues that are faced by today's steel manufacturers. 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.



## 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



- stainless steel
- 2° angular misalignment
- 50D shore urethane material
- maximum temperature of 200°F
- Rings and elements available from stock
- 16 standard sizes with bore sizes up to 9 inches
- Spacer style designed as a non-lubricated replacement for a grid spacer coupling

- concentration of other gear couplings
- High performance gear for extreme high speed applications, with reduced moment of inertia

## Jaw In-Shear Couplings

- Radially removable Urethane insert fits standard Lovejoy stainless steel, cast iron or aluminum hubs
- Fast and easy assembly
- No tools or moving of machinery needed to replace insert
- 6 pin locking ring made of 347



## Gear Couplings

- Standard and special styles such as stainless steel, spacer, and floating shaft
- Patented Vari-Crown teeth increase coupling wear life
- Maximum bore of 44"
- Type FL (labyrinth seal) is interchangeable with the industry standard
- Type C (continuous sleeve) takes less space, yet features the high torque



## S-Flex Couplings

- Elastomer-in-shear design
- Torque capacity up to 72,480 in-lbs
- Maximum bore of 5-1/2"
- Three sleeve materials provide flexibility in adapting to application requirements
- Fully interchangeable with industry standards
- Wide selection of both inch and metric finished bores



## Common Applications

Casters  
Slitters  
Rougher and Finishers

Pumps  
Vacuums  
Cranes

Furnaces  
Coilers and Decoilers  
Run-out Tables

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