Thomas XTSR Couplings
Compact Size, Powerful Performance

Thomas XTSR couplings offer enhanced features, providing the highest value solution for rotating equipment.
Advancing the Industry

For decades, the reliability of Thomas Series 52 and 71 couplings have led the industry as the most highly specified disc coupling by rotating equipment engineers around the globe. Committed to evolving with our customers and their needs, Rexnord has advanced the Thomas Series 52 and 71 couplings. The new Thomas XTSR52 and XTSR71 disc couplings offer new and improved features optimized for customer installation, maintenance, operation and safety.

Optimized for the Industry

- **Higher Torque, Lower Mass:** Couplings are optimized for both NEMA/IEC and non-NEMA/IEC drivers
- **All Metric Design:** Globally-accepted units for tools and designs
- **Industry Compliant:** API 671/ISO 10441 (when specified), API 610/ISO 13709, ISO 14691, ATEX II 2GD c T6

Installation & Maintenance

- **Tapered Bolts:** Quick bolt installation without damaged disc packs
- **Unitized Disc Pack:** Quick and easy replacement with the elimination of loose parts
- **Integrated Balancing Hardware:** Innovative center member design to balance the coupling without special hardware
- **Modular Components:** XTSR52 and XTSR71 share disc packs and hardware components for convenient, lower cost inventory management
- **Retrofits to Thomas and John Crane Metastream Hubs:** Compatible with older technologies
- **Clear Product Markings:** Highly visible markings make re-ordering easy

Operations & Safety

- **Anti-Flail Ring:** Confines center member in the event of component failure
- **Overload Bushings:** Limits stress during startup to extend disc pack life
- **Standard Manganese Phosphate Coating:** Enhanced corrosion protection over popular black oxide
- **Optional Torque Overload Protection System:** Protects connected equipment during the occurrence of a torque spike
Innovative Coupling Solutions to Reduce Total Cost of Ownership

Count on Rexnord’s superior product and service quality, expertise, and technical support to prevent costly maintenance, repairs and shutdowns, maximizing return over the coupling’s total lifecycle.

To see how the proprietary and standard design features of Thomas XTSR couplings specifically help to deliver lower total cost of ownership, see the table below. The table provides points of consideration and potential savings when evaluating coupling total cost of ownership.

<table>
<thead>
<tr>
<th>Design Feature</th>
<th>Delivered Benefit</th>
<th>Typical Quantified Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lighter coupling</td>
<td>• Reduces wear on bearings and seals</td>
<td>$7,800*</td>
</tr>
<tr>
<td></td>
<td>• Reduces potential for unbalance</td>
<td></td>
</tr>
<tr>
<td>Component modularity</td>
<td>• Reduces inventory of parts such as disc packs, drive bolts and washers</td>
<td>$1,200**</td>
</tr>
<tr>
<td>Torque overload protection system</td>
<td>• Low cost, high reliability system protection</td>
<td>$5,500***</td>
</tr>
<tr>
<td></td>
<td>• Replace-in-place design, no hub removal or special equipment required</td>
<td></td>
</tr>
<tr>
<td>Standard Manganese Phosphate protection</td>
<td>• Prevents corrosion</td>
<td>$200****</td>
</tr>
<tr>
<td>Total Savings</td>
<td></td>
<td>$14,700</td>
</tr>
</tbody>
</table>

* Financial calculation based on 1/5 increased bearing life of an average $375 U.S.- priced bearing + 3 hours to change bearing at $75 per hour rate + 3 hours non-production time at a rate of $2,500 per hour.
** Standard cost of inventory reduced by 66% on a typical inventory value of $3,600.00
*** Cost of savings of new center member element vs. special shear pins (avg. price of $400) + 2 hours to change element at a $75 per hour rate + 2 hours non-production time at a rate of $2,500 per hour.
**** $12.50 U.S.-priced paint or corrosion protection material + 2 ½ hours to prep and coat.
The Highest Torque Capacity

The new Thomas XTSR designs coupled with Rexnord manufacturing processes and materials have resulted in some of the highest torque capacities in the industry. For a given bore size, the Thomas XTSR designs clearly outpace the competition on rated torque.

Optimized For NEMA/IEC Applications

Rexnord engineers targeted common torque and bore requirements when designing the new Thomas XTSR couplings. The result is a family of products that minimize the coupling mass for a given application. Lower mass translates into less loading on system bearings and seals, as well as easier system balancing.
Disc Coupling Product Selector — Quick Access, Quick Selection

**Search**

Use the search function to enter specific information on the application.

**Browse**

Unsure of the application requirements? Use the browse function to narrow search and become familiar with product options.

**Results**

Search results include drawings, data sheets and part numbers.
Rexnord — With You Every Step of the Way

Rexnord delivers the exact Thomas XTSR coupling solution you need, when you need it:

- **Quick quote turnaround** — 48-hour turnaround time for standard products.
- **Lead times** — Two-week lead time on standard products.
- **Emergency shipments** — 24-hour shipping for standard product components.

Why Choose Thomas Couplings?

**Unsurpassed proven reliability and quality.**
Thomas disc couplings are engineered for infinite life. Rexnord’s experience and dedication to conservative design standards ensure maximum reliability on the most critical power train systems.

**Longstanding industry experience.**
Since 1914, Rexnord engineers have worked with customers to design and enhance Thomas disc coupling solutions. Rexnord works with customers to select and customize designs that are optimized for their specific applications.

**Solutions-based product offering.**
The Thomas coupling designs incorporate features optimized for motor, engine and turbine driven applications. For custom applications, Rexnord frequently works with customers to solve unique problem such as:

- Torsional tuning for variable frequency drives (VFD)
- Balancing for high speed applications
- Split hub mounting
- Electrically insulated couplings

To learn more about the XTSR Coupling offering, please contact us today:
866-REXNORD (toll-free) or 414-643-2366 (outside the U.S.)

Or visit our website for more information including:
Online disc coupling product selector • Data sheets • Drawings • Brochures • Manuals • Technical white paper
www.rexnord.com/XTSR
Rexnord Corporation
Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

Process and Motion Control
The Rexnord Process and Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers’ reliability requirements and the cost of failure or downtime are extremely high.

Water Management
The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.

Why Choose Rexnord?
When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

Delivering Lowest Total Cost of Ownership
The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

Valuable Expertise
An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

Solutions to Enhance Ease of Doing Business
Commitment to operational excellence ensures the right products at the right place at the right time.