



# Couplings for Gas Compression



# Regal Rexnord™ Brands for Gas Compression

## DISC COUPLINGS

The Regal Rexnord™ disc coupling portfolio provides highly reliable and economical solutions for the gas compression industry. The range of torsionally-rigid, all-metal disc couplings offers the flexibility to accommodate both the high vibratory loads of reciprocating engines and the precision and balance required for electric motor driven compressor applications.

### Thomas™ AMR/CMR

#### Design features include:

- Robust and economical components with standard cast spacer and forged steel hubs
- Open lug-type spacer adds wrenching clearance for hassle-free assembly
- Flywheel adapter plate available in standard and custom bolting patterns to accommodate virtually any flange design
- Flexibility to accommodate multiple disc pack design and material options
- Option for fully machined center member for higher speed applications
- Option for stainless steel disc pack
- Integral and add-on inertia options

### Thomas XTSR52 and XTSR71

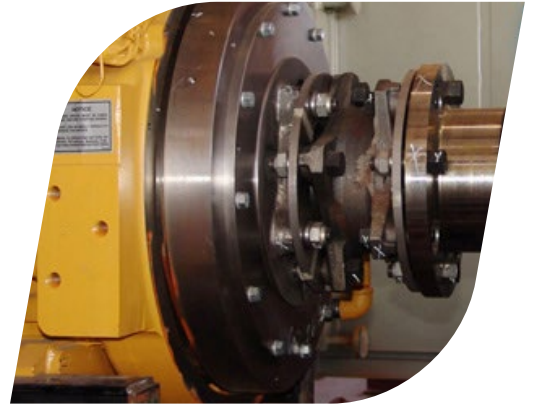
#### Design features include:

- Fully-machined design with variable spacer length
- Unitized stainless steel disc packs simplify installation and maintenance
- XTSR71/52 couplings meets API 610 as manufactured up to 3800 RPM. XTSR71 couplings can be manufactured to meet API 671 when specified

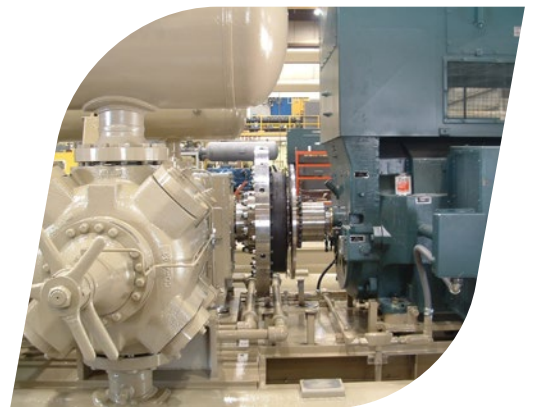
## CENTA™ TORSIONALLY SOFT COUPLINGS

#### Design features include:

- Highly customizable including variable element shore hardness to ensure optimal torsional tuning of the system
- Low torsional stiffness with high misalignment and damping capability
- CENTAX™ couplings leverages rubber-in-shear principle with single or multi-row element configuration to accommodate large torque and misalignment requirements



Our disc couplings feature cast iron or steel center members that are designed to accommodate the alternating and vibratory torque loads experienced with reciprocating gas compression applications.


















CENTA Couplings are highly engineered to meet the torsional requirements of demanding applications.











# The Regal Rexnord™ Complete Coupling Portfolio for Gas Compression

Regal Rexnord offers the broadest global coupling portfolio. The natural gas compression portfolio ranges from torsionally stiff style disc couplings to torsionally soft CENTA™ options. The breadth of designs accommodates everything from smoother electric-driven gas compression applications to higher vibration engine-driven applications.

## REGAL REXNORD DISC COUPLING RANGE

Coupling Type	Speed	Torque	Damping	Misalignment	Key Applications
 <b>Thomas™ XTSR</b>					Centrifugal & Screw Compressors
 <b>Thomas AMR &amp; CMR</b>					Reciprocating Compressors
 <b>Thomas Series 44</b>					Reciprocating Compressors

## REXNORD™ CENTA™ TORSIONALLY SOFT COUPLINGS RANGE

Coupling Type	Speed	Torque	Damping	Misalignment	Key Applications
 <b>CENTAX™-B/G</b>					Reciprocating Compressors
 <b>CENTAFLEX™-A</b>					Screw Compressors



Integral locking hub



External shrink disc



Internal locking device

## Locking Devices

Integral hub locking devices and internal or external shrink discs simplify installation by eliminating the need for a keyed connection. Instead of requiring heat to expand the coupling hub before sliding onto the shaft, they simply slide onto the shaft cold and are secured with standard tools. Internal and external shrink discs are compatible with Thomas™ XTSTR, Thomas AMR/CMR and CENTA™ couplings.



## REXNORD™

**Regal Rexnord**

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