

# UNIFORM COMPRESSION FOR ALL APPLICATIONS

## Specialty GRQ Clamps for Pharma, Biotech, Food, and Beverage Service

Jacoby-Tarbox's full line of GRQ Engineered Hygienic Clamps now includes specialty clamps for more challenging applications.

### RUPTURE DISCS / BURSTING DISKS

GRQ-RD (for Rupture Discs) is designed with special relief for the rupture disc tab (or tag) extension, as well as sensing wires, and is clearly labeled "TAB" for easy assembly, while maintaining contact with for over 340 degrees around the ferrule.

The large clamp channel Profile, nicknamed the "Block A Profile" and double-pin hinge provide superior sealing for specialty rupture disc gaskets of all materials from soft rubbers to metal filled PTFE.

The all 316 clamp includes a hex nut to properly torque the joint per rupture disc manufacturer's recommendations.

Specify by adding "HEXRD" to your GRQ clamp part number, for sizes 1" thru 4".

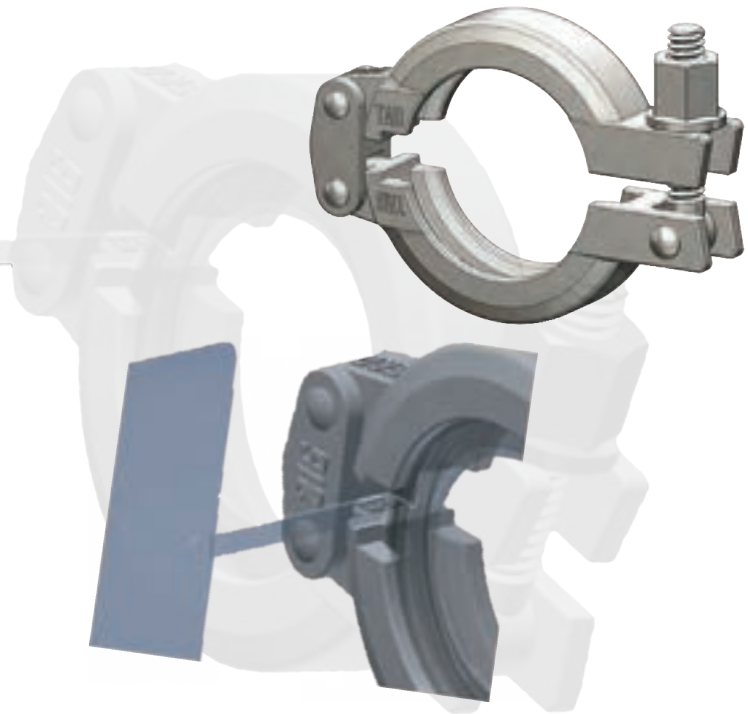
Example: TGRQ-15-S-**HEXRD**

### STEAM IN PLACE (SIP) SYSTEMS VIBRATION RESISTANCE

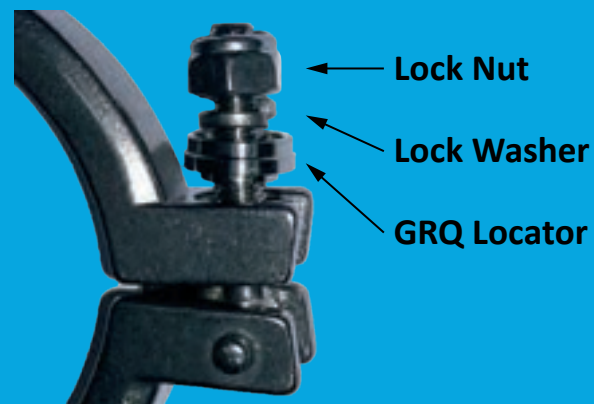
GRQ-LL (for Live Load) option available for GRQ clamps provides consistent force to the forks of the clamp to offset coefficient of thermal expansion of the metal or vibration.

Specify by adding "LL" to your GRQ clamp part number.

Example: TGRQ-15-O-**LL**



**GRQ-RD ENGINEERED CLAMP for  
RUPTURE DISCS / BURSTING DISKS**



**GRQ-LL ENGINEERED CLAMP for  
THERMAL CYCLING or VIBRATION**

# PROTECT YOUR PROCESS AND EQUIPMENT

## GRQ Clamp SafeGuard for Pharma, Biotech, Food, and Beverage Service

**Jacoby-Tarbox's** GRQ SafeGuard for use with GRQ Engineered Hygienic Clamps ensures a safe and secure tamper-resistant hygienic union connection.

### GRQ SafeGuard

Use the GRQ SafeGuard for quick and efficient "lock-out / tag out" of Hygienic Unions / Joints. Secure unions by adding tamper-proof tagging, locks, or other devices through the aligned security holes. Discourage opening or adjusting unions with other non-locking devices, such as cotter pins. The cross pin also limits nut travel, therefore maintaining mechanical integrity of unions.

- Lock-out Tag-out
- Protect expensive equipment
- Maintain system integrity
- Protect optimized seal load (compression)



GRQ SAFEGUARD

Specify based on clamp size:

Clamp Size	SafeGuard Part No.
Mini / ¼" to ¾"	TGRQ SG 1
1" through 5"	TGRQ SG 2
6" and larger	TGRQ SG 3

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