DI Pipe-To-Pipe and DI Pipe-To-Fitting Joint Restraint is a proven design, offering an efficient, reliable, and inexpensive method of restraining mechanical joints and push-on joints by utilizing a series of rigid machined gripping serrations that grab, hold, and secure the pipe to the pipe / fitting.

- These Joint Restraints eliminate the need of timely thrust blocks.
- Performs optimally with AWWA C151 pipe, and AWWA C110 or AWWA C153 Fittings
- Composed of high strength Ductile Iron in compliance with the ASTM A536 Standard, Grade 65-45-12
- T-Bolts, Rods, and Hex nuts are manufactured from high-strength low-alloy (HSLA) steel as per ANSI/AWWA C111/A21.11.
- Machined to exact tolerances with a minimum safety factor of 2:1
- Designed and manufactured to be disassembled, reinstalled, and reusable
- Can be installed on new or existing water systems
- Maintains the seal while under pressure, and while subjected to ground movements
- The internal serrations offer 360° circumferential contact with the pipe wall and increase the grip as the hydrostatic pressure increases whilst offering support of the pipe wall.
- Can conveniently be installed in or outside the trench.
- Provided with a coating that is compatible with most field applied coatings. The standard color is red.
- Offered in sizes from 4” up to 16”

Available: Import
The PTPVC-DI and PTPDF-DI joint restraining mechanisms shall be designed and manufactured as two identical halves providing for a pipe joint and performing as a joint restraint. The PTPVC-DI and PTPDF-DI joint restraints shall be compatible with AWWA C151 DI Pipe and AWWA C110 and C153 Fittings and restraint shall contain a series of rigid integrally machined serrations that grip the outside wall of the DI Pipe. The PTPVC-DI and PTPDF-DI joint restraints shall have a 2:1 safety factor over the pressure rating.

There shall be no additional tools required for installation other than the tools required to install standard sizes of hex nuts from 5/8" - 7/8". All hex heads, bolts and rods shall be designed to tighten clockwise. All hex heads, bolts and rods shall be manufactured to allow for disassembly and re-installation of the restraint.

The gland halves shall be manufactured of high strength ductile iron in accordance with the ASTM A536 Standard, Grade 65-45-12. Bolts, rods, and hex nuts shall be manufactured from high-strength low-alloy (HSLA) steel as per ANSI/AWWA C111/A21.11.

The restraining gland shall comply with all applicable dimensions of ANSI/AWWA C151/A21.51, ANSI/AWWA C110/A21.10, and ANSI/AWWA C153/A21.53 and shall be compatible with all DI pipe and DI fittings of the standards.

The restraint devices for Ductile Iron Pipe to Ductile Iron Pipe / Fitting shall be SIP Industries series PTPVC-DI, PTPDF-DI, or equal.