The EZ GRIP®

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

ADVANTAGES, BENEFITS, FEATURES

The PTPFC Joint Restraint eliminates the need of timely thrust blocks.

The PTPFC Joint Restraint performs optimally with AWWA C900 (PVC), C905 (PVC), C906 (HDPE), or C909 (PVCO) pipe, and AWWA C907 (PVC) 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

Easily maintains a working water pressure equal to that of the PVC pipe on which it is installed

The PTPFC Joint Restraint is designed and manufactured to be disassembled, reinstalled, and reusable.

The PTPFC Joint Restraint can be installed on new or existing water systems.

The PTPFC Joint Restraint 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 while concurrently offering support of the pipe wall.

With the split castings, the PTPFC Joint Restraint can conveniently be installed in or outside the trench.

The PTPFC Joint Restraint for PVC Pressure Fittings is provided with a coating that is compatible with most field applied coatings. The standard color of the PTPFC Joint Restraint is red.

Offered in sizes from 4” up to 12”

Available: Import
安装程序：4”-12”

1. 将密封圈和PVC管道插入PVC接头，按照制造商的说明进行。接下来，安装两个非锯齿接头半部分在接头的圆角，并将夹紧螺栓拧紧到表中推荐的扭矩级别。然后，插入一个长T型螺栓/紧固杆通过一个螺栓孔并在螺栓/杆的2英寸处做标记（朝向接头）。

2. 使用T型螺栓/杆作为引导，将锯齿接头半部分安装在管道上，锯齿面与管道上的标记线对齐。然后，将夹紧螺栓拧紧到给定的扭矩级别（见表）。

3. 将剩余的T型螺栓/紧固杆通过保持环和限制环拧紧，以确保紧密配合。

注意：不要过紧地拧紧限制器螺母，用手紧固螺母再拧紧一圈使用扳手。

技术数据

PTPFC管道限制器规格

<table>
<thead>
<tr>
<th>管径（英寸）</th>
<th>C900/C909 PVC管道</th>
<th>PTPFC系列</th>
<th>导管接头</th>
<th>A</th>
<th>B (近似)</th>
<th>C (最大)</th>
<th>坚固螺栓/管径QTY</th>
<th>坚固螺栓/管径SIZE</th>
<th>管径QTY</th>
<th>管径SIZE</th>
<th>斤重（近似）</th>
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<tbody>
<tr>
<td>4</td>
<td>4.80 PTPVC04G</td>
<td>2</td>
<td>PTPFC04G</td>
<td>2</td>
<td>1.12</td>
<td>1.95</td>
<td>6.00</td>
<td>2/3/4 X 9</td>
<td>4</td>
<td>5/8 X 3 1/2</td>
<td>14</td>
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<tr>
<td>6</td>
<td>6.90 PTPVC06G</td>
<td>2</td>
<td>PTPFC06G</td>
<td>2</td>
<td>1.47</td>
<td>1.75</td>
<td>8.00</td>
<td>2/3/4 X 12</td>
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<td>3/4 X 4</td>
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<tr>
<td>8</td>
<td>9.05 PTPVC08G</td>
<td>2</td>
<td>PTPFC08G</td>
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<td>1.38</td>
<td>1.62</td>
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<td>PTPFC10G</td>
<td>2</td>
<td>1.42</td>
<td>1.95</td>
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<td>7/8 X 5</td>
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</table>

所有尺寸以英寸为单位，除非特别注明。
The PVC pipe to PVC pressure fitting joint restraining mechanism shall be designed and manufactured as two identical halves providing joint restraint. The PVC pipe to PVC pressure fitting joint restraint shall be compatible with AWWA C900, C905, C906, C909 pipe and C907 pressure fittings and shall contain a series of rigid integrally machined serrations that grip the outside wall of the PVC Pipe. The PVC pipe to PVC pressure fitting joint restraint shall have the same pressure rating as the pipe with a 2:1 safety factor. The grip of the serrations shall increase as the hydrostatic pressure increases.

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 C907/A21.11 and shall be compatible with all PVC pipe and PVC pressure fittings of the standards.

The restraint device for PVC Pipe to PVC pressure fitting shall be SIP Industries series PTPFC or equal.

Available: Import

AWWA DI Fittings & Accessories
C153 Compact MJ Fittings and Acc. 2" — 48"
C110 Full Body MJ Fittings 2" - 48"*
C153 Push-On Fittings 4" - 24"
C110 Flange Fittings 2" - 60"*
Stainless Steel & Blue T-Bolts
Ductile Iron Retainer Glands
Made in India, China & Mexico
Cement, Fusion Bonded Epoxy & P401 lining.

Joint Restraint System
EZD Joint Restraint for DI Pipe 3" - 48"
EZP Joint Restraint for PVC Pipe 3" - 36"
PTP Pipe to Pipe Restraint 4" - 36"
PTPDF Pipe to MJ Fittings Restraint 4" - 36"
PTPFC Pipe to PVC Fittings Restraint 4" - 12"
Made in China & USA
Fusion Bonded Epoxy or Shop Coating.

Municipal Construction Castings
Manhole Rings and Cover
Frames and Grates
Valve Boxes and Service Boxes
Water Meter Covers and Boxes
Trench Grates and Tree Grates
Made in India & USA

Fabrication Products for DI Pipe
High Hub Flanges Class 150 and 250. 3" - 64"
Threaded Bell Flanges 3" - 48"
Anchor Flanges 3" - 60"
Filler Flanges 4" - 30"

Other Products and Services
All Thread Rod
Pipe Lube and Hydraulic Cement
Socket Clamps and Lugs
Flange Packs
OEM Castings
Service Is Priority
Priority Service to All 50 States & Internationally

- Same day shipments for orders placed up to 5 pm
- Over 650,000 sq/ft of stocked warehouse space (2” to 48” in stock at all locations)
- Special linings & coatings, drilling/tapping, and machining available
- Engineering services provided for custom product development
- Customer specific processes, item codes, documentation, packaging and shipping instructions
- Premier vendors/service providers used for every outsourced need