**New COMBO PIPE PLUGS**

*One pipe plug that protects *either end* of pipe!*
*(with adjustable strap handle that allows plugging of tightly stacked pipe)*

**New TUFFER Tags**

- Meter tag (2 x 1) on a commercial meter
- Infact Tuffer Tag (3x2) on a MUD PLUG

**New Protecto 401 Epoxy**

- Infact Foster Adaptors with P401 coating for sewer applications

**Call Centers open 7:00am to 7:00pm Eastern**

**INFACT CORPORATION**
1283 GATEWAY DRIVE
GALLATIN (NASHVILLE), TN 37066

**SALES / INFO:** 888-773-9130 Toll-free from U. S. and Canada
**SHIPPING:** 615-206-9113
**FAX:** 615-206-9787
**EMAIL:** info@infactcorp.com
**WEBSITE:** www.infactcorp.com

**SHIPPING LOCATIONS:**
- Albany, NY 12207
- Gallatin (Nashville), TN 37066
- Sarasota, FL 34242 (limited)
- Stockton, CA 95215
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<td>Color-coded Water-proof Tags</td>
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<td>WARRANTY, MISC</td>
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NEW

NEW
## Comparison of Waterworks Products that Restrain Valves, Fittings and Hydrants

<table>
<thead>
<tr>
<th></th>
<th>INFACT FOSTER ADAPTOR</th>
<th>LUG PRODUCT</th>
<th>INFACT FLEX T-2 &amp; T-3</th>
<th>ANCHOR COUPLING</th>
<th>INFACT FLEX ADAPTOR</th>
<th>GRIP RINGS</th>
<th>INFACT FLEX REDUCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Built-in full axial, circumferential restraint. Restraining forces are spread more evenly than in products using radial bolts or lugs.</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Bolt-through restraint</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Angular deflection for easy restraint of unaligned fittings</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Full axial rotation for easy alignment of bolt holes</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Two independent pivot points adjacent to fittings for better close quarters installation and easier connection to misaligned fittings</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Requires ONE device to connect fittings (rather than two or more)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Do not have to cut and install a piece of pipe in order for device to restrain fittings</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uses standard bolts and gaskets and no radial bolts on pipe that operator may forget to or improperly tighten</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Field adaptable to being connected to any length pipe</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Field adaptable to restrain either MJ or flange joints using interchangeable glands</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
## Installer's Guide

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>INSTALLED DRAW-UP DISTANCE</th>
<th>TYPE OF JOINT</th>
<th>RECOMMENDED APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FOSTER ADAPTOR</strong></td>
<td>Bolt-thru MJ Adaptor</td>
<td>Sizes 3-12: 1-inch --- Sizes 14-24: 2-inches --- Sizes 30-36: 3-inches</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>FLEX T-2</strong></td>
<td>Self-Restraining 2-way Tee</td>
<td>0 inches --- (Direct Restraint)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>FLEX T-3</strong></td>
<td>Self-Restraining 3-way Tee</td>
<td>0 inches --- (Direct Restraint)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>FLEX ADAPTOR</strong></td>
<td>Ultra-Compact Coupling</td>
<td>8 1/2 inches</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>FLEX REDUCER</strong></td>
<td>Ultra-Compact Reducer</td>
<td>8 1/2 inches</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
Squeezed for space?

- Saves space
- Easier to lift & install
- Up to 75% fewer bolts to tighten
- Only one kit necessary (included)
- Sizes 3 to 36-inch
- No pipe to saw

As little as 1-inch draw-up length

Squeezed For Space?

For more information, visit www.infactcorp.com or call 1-888-773-9130.
BOLT-THRU MECHANICAL JOINT RERAINT
RESTRAIN MJ VALVES AND FITTINGS TO EACH OTHER

STANDARD ADAPTORS, STANDARD ACCESSORIES
The Infact Foster Adaptor is made in the U. S. A. It meets the ductile iron and working pressure specifications of AWWA compact fittings, ANSI/AWWA C153/A21.53 and C110/A21.10 — American National Standard for Ductile Iron Compact Fittings, 3-Inch Through 36-Inch (76mm Through 914mm) for Water Service.

SAMPLE SPECIFICATION: Mechanical joint (MJ) valves and fittings shall be connected using a bolt-through positive restraint mechanism manufactured of U. S. A. ductile iron conforming to ASTM A536, 65-45-12. The positive restraint device shall connect the valves and/or fittings at a linear distance not to exceed three (3) inches and without attachment to pipe. The device shall come complete with all accessories, including standard styrene butadiene rubber (SBR) MJ gaskets conforming to the latest revision of AWWA C111/ASTM F-477 and blue fluorocarbon [Teflon®] coated bolts and nuts conforming to AWWA C111/A21.11. The bolt-through MJ positive restraining device and the ductile iron spacers shall be supplied with an NSF 61 asphaltic seal coating in accordance with ANSI/AWWA C104/A21.4. Sizes 14-36-inch shall be supplied with NSF 61, 7-mil. fusion bonded epoxy conforming to AWWA C116/A21.16-09 as well as the coating, surface preparation and application requirements of ANSI/AWWA C550. For sewer installations, the device shall be supplied with 40-mil Protecto 401 epoxy. (Epoxy coating, blue Teflon® coated, and stainless steel hardware are available for all sizes.) The device shall be used with standard mechanical joint fittings (AWWA C110 or C153) and valves. The device shall be Infact Corporation FOSTER ADAPTOR or equal.

EPOXY ADAPTORS, BLUE FLUOROCARBON (TEFLON®) ACCESSORIES
The Infact Foster Adaptor is made in the U. S. A. It meets the ductile iron and working pressure specifications of AWWA compact fittings, ANSI/AWWA C153/A21.53 and C110/A21.10 — American National Standard for Ductile Iron Compact Fittings, 3-Inch Through 36-Inch (76mm Through 914mm) for Water Service.

SAMPLE SPECIFICATION: Mechanical joint (MJ) valves and fittings shall be connected using a bolt-through positive restraint mechanism manufactured of U. S. A. ductile iron conforming to ASTM A536, 65-45-12. The positive restraint device shall connect the valves and/or fittings at a linear distance not to exceed three (3) inches and without attachment to pipe. The device shall come complete with all accessories, including standard styrene butadiene rubber (SBR) MJ gaskets conforming to the latest revision of AWWA C111/ASTM F-477 and blue fluorocarbon [Teflon®] coated bolts and nuts conforming to AWWA C111/A21.11. The bolt-through MJ positive restraining device and the ductile iron spacers shall be supplied with an NSF 61, 7-mil. fusion bonded epoxy conforming to AWWA C116/A21.16-09 as well as the coating, surface preparation and application requirements of ANSI/AWWA C550. For sewer installations, the device shall be supplied with 40-mil Protecto 401 epoxy. The device shall be used with standard mechanical joint fittings (AWWA C110 or C153) and valves. The device shall be Infact Corporation FOSTER ADAPTOR or equal.

EPOXY ADAPTORS, STAINLESS STEEL ACCESSORIES
The Infact Foster Adaptor is made in the U. S. A. It meets the ductile iron and working pressure specifications of AWWA compact fittings, ANSI/AWWA C153/A21.53 and C110/A21.10 — American National Standard for Ductile Iron Compact Fittings, 3-Inch Through 36-Inch (76mm Through 914mm) for Water Service.

SAMPLE SPECIFICATION: Mechanical joint (MJ) valves and fittings shall be connected using a bolt-through positive restraint mechanism manufactured of U. S. A. ductile iron conforming to ASTM A536, 65-45-12. The positive restraint device shall connect the valves and/or fittings at a linear distance not to exceed three (3) inches and without attachment to pipe. The device shall come complete with all accessories, including standard styrene butadiene rubber (SBR) MJ gaskets conforming to the latest revision of AWWA C111/ASTM F-477 and blue fluorocarbon [Teflon®] coated bolts and nuts conforming to AWWA C111/A21.11. The bolt-through MJ positive restraining device and the ductile iron spacers shall be supplied with an NSF 61, 7-mil. fusion bonded epoxy conforming to AWWA C116/A21.16-09 as well as the coating, surface preparation and application requirements of ANSI/AWWA C550. For sewer installations, the device shall be supplied with 40-mil Protecto 401 epoxy. The bolts and nuts shall be ASTM A193 type 304 or 316 stainless (as requested) and the nuts shall be Teflon® coated. The device shall be used with standard mechanical joint fittings (AWWA C110 or C153) and valves. The device shall be Infact Corporation FOSTER ADAPTOR or equal.

NOTE: When using 3-inch to 14-inch Fosters on both the “branch” and “run” of compact tees or crosses, the standard accessory bolts may obstruct each other. Substitution of shorter bolts should solve this. Conduct a trial connection prior to field assembly. Special short-bolt accessory paks are available. For C110 full-body fittings and certain thick-flange valves, Infact Long-bolt Paks are available. Because of the large variety of hydrant designs, we strongly recommend that you conduct a trial connection prior to field assembly. Foster Adaptors can be assembled on many hydrant shoes that have adequate space for bolt clearance, including M&H Model 129, Mueller Centurion and Clow Medallion. Contact Infact for more info.
SIMPLE, SECURE
BOLT-THROUGH RESTRANT

TIME
SAVING

SPACE
SAVING

VALVE AND FITTING RESTRANT

No pipe to saw!
Saves critical space
Ductile iron construction
Light-weight, easy to handle
Up to 75% fewer bolts to tighten
Uses one accessory kit (included)
Available in sizes 3-inch thru 36-inch

FOSTER ADAPTOR
MADE IN U.S.A.

IN FACT
TOLL FREE: 888-773-9130
www.infactcorp.com
## Bolt-Thru Mechanical Joint Restraint

RESTRAIN MJ VALVES AND FITTINGS TO EACH OTHER

### Adaptor Sizes, Dimensions and Weights

<table>
<thead>
<tr>
<th>Size, inches</th>
<th>Dimensions, inches</th>
<th>Adaptor Weight</th>
<th>Pak Weight</th>
<th>Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>O.D.</td>
<td>T</td>
<td>L</td>
<td>lbs.</td>
<td>lbs.</td>
</tr>
<tr>
<td>3</td>
<td>3.96</td>
<td>.34</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>4</td>
<td>4.80</td>
<td>.35</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>6</td>
<td>6.90</td>
<td>.37</td>
<td>4</td>
<td>16</td>
</tr>
<tr>
<td>8</td>
<td>9.05</td>
<td>.39</td>
<td>4</td>
<td>19</td>
</tr>
<tr>
<td>10</td>
<td>11.10</td>
<td>.40</td>
<td>4</td>
<td>29</td>
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<tr>
<td>12</td>
<td>13.20</td>
<td>.43</td>
<td>4.5</td>
<td>31</td>
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<tr>
<td>14</td>
<td>15.30</td>
<td>.48</td>
<td>6.75</td>
<td>55</td>
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<tr>
<td>16</td>
<td>17.40</td>
<td>.51</td>
<td>6.75</td>
<td>60</td>
</tr>
<tr>
<td>18</td>
<td>19.50</td>
<td>.55</td>
<td>6.75</td>
<td>92</td>
</tr>
<tr>
<td>20</td>
<td>21.60</td>
<td>.58</td>
<td>6.75</td>
<td>101</td>
</tr>
<tr>
<td>24</td>
<td>25.80</td>
<td>.62</td>
<td>6.75</td>
<td>117</td>
</tr>
<tr>
<td>30</td>
<td>32.00</td>
<td>.66</td>
<td>7.75</td>
<td>153</td>
</tr>
<tr>
<td>36</td>
<td>38.30</td>
<td>.75</td>
<td>7.75</td>
<td>220</td>
</tr>
</tbody>
</table>

Adaptor sizes, dimensions and weights are nominal.

### Latest Sizes Added

- 3-inch, 30-inch, and 36-inch
### SIZES
|          | 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 30, 36 |

### TYPICAL USES
- Restrains valves to tees and valves to crosses
- Restrains reducers and other fittings to tees or crosses
- Restrains 90’s and other fittings to each other

### ADVANTAGES (Product)
- Tough, BOLT-THROUGH Restraint
- Takes the place of **two** bolt-on lug type products
- No pipe to saw and no lug bolts to tighten
- Ultra-compact; saves critical space; 1 to 2-inch draw-up length
- Quicker to install than to saw pipe and tighten up to 4 times more bolts
- One accessory kit to install (included in price)
- Integral casting, no welds
- 14, 16, 18, 20, 24, 30, 36-in epoxy coated — standard

### ADVANTAGES (Manufacturer)
- Products made in U. S. A. and Infact is an American-owned company
- **BIG** inventory; Quick shipping; No extra charge to drop ship
- No minimum order

### HYDRANT AND OTHER CONNECTIONS
1. When using 3-inch to 14-inch Fosters on both the “branch” and “run” of compact tees or crosses, the standard accessory bolts may obstruct each other. Substitution of shorter bolts should solve this. Conduct a trial connection prior to field assembly. Special short-bolt accessory paks are available. Contact Infact for more info.
2. Because of the large variety of hydrant designs, we strongly recommend that you conduct a trial connection prior to field assembly. Foster Adaptors can be assembled on many hydrant shoes that have adequate space for bolt clearance, including M&H Model 129, Mueller Centurion and Clow Medallion. Contact Infact for more info.

### OPTIONS
1. NSF 61, 7-mil fusion bonded epoxy conforming to AWWA C116/A21.16-09 as well as the coating, surface preparation and application requirements of ANSI/ AWWA C550.
2. 40-mil Protecto 401 epoxy coating for Foster Adaptor sewer applications. Contact Infact for specs and availability.
3. **Long-bolt Paks**, to restrain C110 full-bodied fittings, certain valves, etc. with thicker bolt flanges.
BOLT-THRU MECHANICAL JOINT RESTRAINT
RESTRAIN MJ VALVES AND FITTINGS TO EACH OTHER

PRODUCT BENEFITS

1. No pipe to saw
2. Space saving and light-weight
3. No possibility of pipe damage since no pipe connection is used
4. Secure bolt-through design makes for labor-saving, easy and fast installation
5. Made in U.S.A., ductile iron
   - 3 to 24-inch: 350psi rating
   - 30 to 36-inch: 250psi rating
6. Up to four times fewer bolts to tighten
7. Comes complete with all accessories
8. Close-coupled connections allow you to pre-assemble valves and fittings, then transport to the job site
9. Less chance for leakage. Two MJ’s are connected using one accessory kit rather than the standard two
10. Available in standard asphalt or epoxy coating. Sizes 14 to 36-inch ship standard with epoxy coating

PRODUCT APPLICATIONS

- Valves to tees, crosses
- 90’s, 45’s other fittings

APPROXIMATE DRAW-UP LENGTHS

- 3 to 12-in: 1-inch
- 14 to 24-in: 2-inches
- 30 to 36-in: 3-inches

COATINGS
- Asphalt or Epoxy on sizes 3 to 12-inch; 14-inch and above, epoxy is standard.
- Proteo 401 epoxy is available for sewer applications.

ACCESSORY PAKS
- Corten included, Teflon® blue and stainless optional
- Special Long-bolt Accessory Paks available for C110 full-body fittings and certain butterfly valves with thicker bolt flanges.
BEFORE YOU START:

BOLT LENGTH
1) **STANDARD Accessory Pak** — for typical C153 compact fittings and valves
2) **LONG-BOLT Accessory Pak** — for full-body C110 fittings and certain butterfly valves with thick bolt flanges

HYDRANT AND OTHER CONNECTIONS
1) When using 3-inch to 14-inch Fosters on both the “branch” and “run” of compact tees or crosses, the standard accessory bolts may obstruct each other. Substitution of shorter bolts should solve this. Conduct a trial connection prior to field assembly. Special short-bolt accessory paks are available. Contact Infact for more info.
2) Because of the large variety of hydrant designs, we strongly recommend that you conduct a trial connection prior to field assembly. Foster Adaptors can be assembled on many hydrant shoes that have adequate space for bolt clearance, including M&H Model 129, Mueller Centurion and Clow Medallion. Contact Infact for more info.

WRENCHES
A combination wrench may be required to install the Foster Adaptor on some valves. Wrench size required:
- 3-inch (75mm): 1 1/16-inch wrench
- 4 to 12-in (100-300mm): 1 1/8-inch wrench
- 14 to 24-inch (350-600mm): 1 1/4-inch wrench
- 30 to 36-inch (750-900mm): 1 5/8-inch wrench

---

1) a) Lubricate INSIDE and OUTSIDE of gaskets.
   b) Seat gaskets on each side of adaptor.

2) a) When possible, place valve or fitting on its end and push adaptor into valve or fitting.
   b) Install EVENLY.

3) a) Install T-bolts first. This provides easier eyebolt installation. Place bolts in hard-to-reach holes BEFORE you lower the fitting.
   b) EVENLY seat fitting on the adaptor and insert other bolts.

4) a) Place T-head spacers on bolts. The rounded T-head faces the bolt, and the flat side faces the nut.

---

5) Diameter, inches | Diameter, mm | NUMBER OF EYEBOLTS
---|---|---
3, 4 | 75, 100 | none
6, 8 | 150, 200 | 1 eye-bolt on each side of valve
10, 12 | 250, 300 | 2 eye-bolts on each side of valve
14-36 | 350-900 | none

---

6) **FITTING**

**FOSTER VALVE**

Why the spacers? You’re putting a nut where a T-bolt normally goes, so you’ll use the T-head spacer to shift the nut upward to keep it from hitting the fitting when you tighten the nut.

Why the eyebolts? You do not have to rod to the eyebolts; the curve of the eyebolts just makes it easier to bolt the Foster to certain sizes of wide-bodied valves. When using the Foster to connect two fittings, place the eyebolts in any convenient hole location.
Ever Need Two Valves on a Tee?

Restrain 2 valves or fittings on a tee (without the need for other parts)

- No pipe to saw
- No couplings or adapters
- Lower total installed cost
- Faster, easier installation
- The ultimate space-saver
- Fewer joints will minimize leaks
- Simpler, lighter-weight assembly
- Glands spin and deflect to install easily
- Also available: 3-way Flex T-3

INFOFACT FLEX T-2
TOLL FREE: 888-773-9130
www.infactcorp.com
email: info@infactcorp.com
Self-Restraining Tee

The ultimate tight-space restraint

FLEX T-2
Valve and Fitting Restraint

Lower total installed cost
No couplings, no pipe sawing, no lug products needed!

Easier installation
Glands spin and deflect, and T-2 uses standard bolts and gaskets.

Get simple. Bolt Direct.

Made in U. S. A.
U. S. Patent No. 6015170

Flex T-3 also available
### SIZES
- 6-inch MJ x MJ, 6-inch MJ x Flange, 6-inch Flange x Flange

### TYPICAL USES
- Restrains valves directly to tee without need for couplings, etc
- Restrains fittings directly to tee without need for couplings, etc

### ADVANTAGES (Product)
- Heavy-duty casting, glands up to 1 1/2 times thicker
- No shorter restraint than this, since you bolt direct to tee
- No pipe to saw or couplings to install
- No couplings or other parts mean fewer possibilities for leaks
- Glands interchangeable (on-site), MJ or Flange glands
- MJ glands spin and deflect for easiest installation
- Glands are up to 1 1/2 times thicker than competing glands
- Integral casting, no welds
- Uses standard bolts and gaskets
- Epoxy coating standard
- Less expensive when you compare to standard tees, additional parts
- Faster installation

### ADVANTAGES (Manufacturer)
- Products made in U. S. A. and Infact is an American-owned company
- SAME DAY shipping (orders received before noon)
- BIG inventory; backorders are extremely rare
- No extra charge to drop ship
- No minimum order

### WATCH
1) Each Flex T-2 requires the following:
   - 2 each standard bolt and gasket accessory paks
2) The 6-inch flange gland uses flange bolts and an MJ gasket.

### OPTIONS
- Stainless steel and Teflon® blue kits

---

**2-WAY BUILT-IN TEE RESTRAINT**

Compare the total installed cost of the FLEX T-2 to standard epoxy-coated tees + required MJ or flange restraints.

---

[Images and diagrams related to the product]
The Infact FLEX T-2 is a patented product, made in the U. S., that meets the ductile iron and working pressure specifications of AWWA compact fittings, ANSI/AWWA C153/A21.53 — American National Standard for Ductile Iron Compact Fittings 3-Inch Through 24-Inch (76mm Through 610mm) for Water Service.

**SAMPLE SPECIFICATION:** Mechanical joint (MJ) and/or flange joint valves, fittings and hydrants shall be restrained using a positive restraint mechanism manufactured in the U. S. A. of ductile iron conforming to ASTM A536, Grade 65-45-12. Both MJ glands shall have the capability of rotating 360-degrees and deflecting the full deflection amount of a mechanical joint. The glands shall bolt to integrally cast ribs without the use of lug bolts, and shall be interchangeable to allow either INFECT MJ glands or flange glands to be attached in the field. The MJ glands shall be attachable with standard bolts and gaskets conforming to ANSI/AWWA C111/A21.11. The flange glands shall be attachable with standard bolts and gaskets conforming to ANSI/AWWA C110/A21.10 and flange drilling conforming to ANSI Class 125 B16.1. The device shall be supplied with a 7-mil NSF 61 approved fusion bonded epoxy conforming to AWWA C116/A21.16-09 as well as the coating, surface preparation and application requirements of ANSI/AWWA C550. The device shall be INFECT CORPORATION FLEX T-2 or equal.

---

**T-2 BENEFITS**

- DIRECT-CONNECT restraint for two MJ or flange valves or fittings
- Heavy-duty, machined split glands are up to 1.5 times thicker
- Glands deflect and spin to easily align and install
- Mix or match glands — MJ or flange
- Epoxy coating standard

**T-2 APPLICATIONS**

<table>
<thead>
<tr>
<th>Two devices restrained on a tee</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJ Valves</td>
</tr>
<tr>
<td>MJ Hydrants</td>
</tr>
<tr>
<td>MJ 90’s and bends</td>
</tr>
<tr>
<td>Large Meters</td>
</tr>
</tbody>
</table>

The Infact FLEX T-2 is a patented product, made in the U. S., that meets the ductile iron and working pressure specifications of AWWA compact fittings, ANSI/AWWA C153/A21.53 — American National Standard for Ductile Iron Compact Fittings 3-Inch Through 24-Inch (76mm Through 610mm) for Water Service.

**SAMPLE SPECIFICATION:** Mechanical joint (MJ) and/or flange joint valves, fittings and hydrants shall be restrained using a positive restraint mechanism manufactured in the U. S. A. of ductile iron conforming to ASTM A536, Grade 65-45-12. Both MJ glands shall have the capability of rotating 360-degrees and deflecting the full deflection amount of a mechanical joint. The glands shall bolt to integrally cast ribs without the use of lug bolts, and shall be interchangeable to allow either INFECT MJ glands or flange glands to be attached in the field. The MJ glands shall be attachable with standard bolts and gaskets conforming to ANSI/AWWA C111/A21.11. The flange glands shall be attachable with standard bolts and gaskets conforming to ANSI/AWWA C110/A21.10 and flange drilling conforming to ANSI Class 125 B16.1. The device shall be supplied with a 7-mil NSF 61 approved fusion bonded epoxy conforming to AWWA C116/A21.16-09 as well as the coating, surface preparation and application requirements of ANSI/AWWA C550. The device shall be INFECT CORPORATION FLEX T-2 or equal.
Self-Restraining Tees

Save space, save time, reduce leak points — at lower total installed cost

Lower total installed cost
No couplings, no pipe sawing, no lug products needed!

Save time and labor
Bolt up in your shop and transport entire assembly to the job site

Easier installation
Glands spin and deflect, and tees use standard bolts and gaskets.

Get simple. Bolt Direct.
Fewer parts to purchase, fewer bolts to tighten, fewer leaks

The ultimate tight-space restraint

U. S. Patent No. 6015170
Made in U. S. A.
### SIZES
- 6-inch MJ x MJ x MJ, MJ x MJ x Flange, Flange x Flange x Flange
- 8-inch MJ x MJ x MJ
- 8 x 6-inch MJ x MJ, MJ x 6-inch Flange x MJ

### TYPICAL USES
- Restrains valves directly to tee without need for couplings, etc
- Restrains fittings directly to tee without need for couplings, etc

### ADVANTAGES (Product)
- Heavy-duty casting, glands up to 1 1/2 times thicker
- No shorter restraint than this, since you bolt direct to tee
- No pipe to saw or couplings to install
- No couplings or other parts mean fewer possibilities for leaks
- Glands interchangeable (on-site), MJ or Flange glands
- MJ glands spin and deflect for easiest installation
- Split glands are up to 1 1/2 times thicker than competing glands
- Integral casting, no welds
- Uses standard bolts and gaskets
- Epoxy coating standard
- Faster installation

### ADVANTAGES (Manufacturer)
- Products made in U. S. A. and Infact is an American-owned company
- SAME DAY shipping (orders received before noon)
- BIG inventory; backorders are extremely rare
- No extra charge to drop ship
- No minimum order

### WATCH
1. Each Flex T-3 requires the following:
   - 3-each standard bolt and gasket accessory paks
2. The 6-inch flange gland uses flange bolts and an MJ gasket.

### OPTIONS
- Stainless steel and Teflon® blue kits

---

**INFACT**

SALES: (888) 773-9130  
FAX: (615) 206-9787  
EMAIL: info@infactcorp.com  
www.infactcorp.com
The Infact FLEX T-3 is a patented product, made in the U. S., that meets the ductile iron and working pressure specifications of AWWA compact fittings, ANSI/AWWA C153/A21.53 — American National Standard for Ductile Iron Compact Fittings 3-Inch Through 24-Inch (76mm Through 610mm) for Water Service.

SAMPLE SPECIFICATION: Mechanical joint (MJ) and/or flange joint valves, fittings and hydrants shall be restrained using a positive restraint mechanism manufactured in the U. S. A. of ductile iron conforming to ASTM A536, Grade 65-45-12. MJ glands shall have the capability of rotating 360-degrees and deflecting the full deflection amount of a mechanical joint. The glands shall bolt to integrally cast ribs without the use of lug bolts, and shall be interchangeable to allow either INFACT MJ glands or flange glands to be attached in the field. The MJ glands shall be attachable with standard bolts and gaskets conforming to ANSI/AWWA C111/A21.11. The flange glands shall be attachable with standard bolts and gaskets conforming to ANSI/AWWA C110/A21.10 and flange drilling conforming to ANSI Class 125 B16.1. The device shall be supplied with a 7-mil NSF 61 approved fusion bonded epoxy conforming to AWWA C116/ A21.16-09 as well as the coating, surface preparation and application requirements of ANSI/AWWA C550. The device shall be INFACT CORPORATION FLEX T-3 or equal.
Install Hydrants, Valves and Fittings
with heavy-duty glands that spin and swivel

COMPACT, EASY-ALIGNING
Hydrant, Valve
and Fitting Restraint

Both glands spin 360 degrees

Both glands ride on barrel ribs and won't slide down during installation

Epoxy coated

Heavy-duty glands up to 1 1/2 times thicker than standard glands

Glands swivel the full deflection of MJ joint -- making for easy alignment and installation

Ribs that glands ride on are cast as part of the barrel rather than welded on

Made in U. S. A.
U. S. PATENT NO. 6015170

FLEX ADAPTOR

Compare the quality of the FLEX ADAPTOR to standard anchor couplings

IN FACT
TOLL FREE: 888-773-9130
www.infactcorp.com
**SIZES**

|          | 6-inch MJ x MJ, 6-inch MJ x Flange |

**TYPICAL USES**

|          | Restrains valves to hydrants  
Restrains valves to tees, crosses, fittings |

**ADVANTAGES (Product)**

- Easiest MJ restraint to install — glands spin AND deflect
- Tight-space coupling with 8 1/2-inch draw-up length
- No pipe to saw or lug bolts to tighten
- Heavy-duty casting, glands up to 1 1/2 times thicker
- Glands interchangeable (on-site), MJ or Flange glands
- Glands won’t slide down barrel during installation
- Glands are up to 1 1/2 times thicker than competing glands
- Integral casting, no welds
- Uses standard bolts and gaskets
- Epoxy coating standard
- This is a quality casting made in U. S. A.
- Faster, easier installation

**ADVANTAGES (Manufacturer)**

- Products made in U. S. A. and Infact is an American-owned company
- SAME DAY shipping (orders received before noon)
- BIG inventory; backorders are extremely rare
- No extra charge to drop ship
- No minimum order

**WATCH**

1) Each Flex Adaptor requires the following:  
   2-each standard 6-inch bolt and gasket accessory paks  
2) The 6-inch flange gland uses flange bolts and an MJ gasket.

**OPTIONS**

|          | Stainless steel and Teflon® blue kits |
**FLEX ADAPTOR APPLICATIONS**

<table>
<thead>
<tr>
<th>MJ Tees</th>
<th>Flange Tees</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJ Valves</td>
<td>Flange Valves</td>
</tr>
<tr>
<td>MJ Crosses</td>
<td>Flange Hydrants</td>
</tr>
<tr>
<td>MJ Hydrants</td>
<td>Flange 90’s and bends</td>
</tr>
<tr>
<td>MJ 90’s, bends</td>
<td>Large Meters</td>
</tr>
<tr>
<td></td>
<td>Backflow Devices</td>
</tr>
</tbody>
</table>

**FLEX ADAPTOR BENEFITS**

- Mix or match glands — MJ or flange
- Glands deflect and spin to easily align and install
- Heavy-duty split glands are up to 1.5 times thicker
- Epoxy coating standard

The Infact FLEX ADAPTOR is a patented product, made in the U. S. A., that meets the ductile iron and working pressure specifications of AWWA compact fittings, ANSI/AWWA C153/A21.53 — American National Standard for Ductile Iron Compact Fittings 3-Inch Through 24-Inch (76mm Through 610mm) for Water Service.

SAMPLE SPECIFICATION: Mechanical joint (MJ) and/or flange joint valves, fittings and hydrants shall be restrained using a positive restraint mechanism manufactured in the U. S. A. of ductile iron conforming to ASTM A536, Grade 65-45-12. Both MJ glands shall have the capability of rotating 360-degrees and deflecting the full deflection amount of a mechanical joint. The glands shall bolt to integrally cast barrel ribs without the use of lug bolts, and shall be interchangeable to allow either INFECT MJ glands or flange glands to be attached in the field. The MJ glands shall be attachable with standard bolts and gaskets conforming to ANSI/AWWA C111/A21.11. The flange glands shall be attachable with standard bolts and gaskets conforming to ANSI/AWWA C110/A21.10 and flange drilling conforming to ANSI Class 125 B16.1. The device shall be supplied with a 7-mil NSF 61 approved fusion bonded epoxy conforming to AWWA C116/A21.16-09 as well as the coating, surface preparation and application requirements of ANSI/AWWA C550. The device shall be INFECT CORPORATION FLEX ADAPTOR or equal.
FLEX SPACE REDUCER

- Saves space
- No pipe to saw
- Faster installation
- Heavy-duty glands
- Fewer glands to tighten
- Epoxy coating standard
- Choose MJ or flange glands
- MJ Glands spin and deflect for easy alignment
- No gimmicks — uses standard gaskets and bolts

CALL YOUR LOCAL WATERWORKS DISTRIBUTOR FOR PRICES.

www.infactcorp.com
(888) 773-9130
### SIZES
8 x 6 MJ x MJ, 8-MJ x 6-Flange

### TYPICAL USES
- Restrains/reduces valves to tees and crosses
- Restrains/reduces 90's and other fittings

### ADVANTAGES (Product)
- Heavy-duty casting, glands up to 1 1/2 times thicker
- Ultimate tight-space reducer with 8 1/2-inch draw-up length
- No pipe to saw or couplings to install
- No couplings or other parts mean fewer possibilities for leaks
- Glands interchangeable (on-site), 6-inch MJ or Flange glands
- MJ glands spin and deflect for easiest installation
- Glands are up to 1 1/2 times thicker than competing glands
- Integral casting, no welds
- Uses standard bolts and gaskets
- Epoxy coating standard
- Less expensive than standard reducer assemblies
- Faster installation

### ADVANTAGES (Manufacturer)
- Products made in U. S. A. and Infact is an American-owned company
- SAME DAY shipping (orders received before noon)
- BIG inventory; backorders are extremely rare
- No extra charge to drop ship
- No minimum order

### WATCH
1) Each Flex Reducer requires the following:
   a) 1-each standard 6-inch bolt and gasket accessory pak
   b) 1-each standard 8-inch bolt and gasket accessory pak
2) The 6-inch flange gland uses flange bolts and an MJ gasket.

### OPTIONS
- Stainless steel kits
The INFACT FLEX REDUCER restrains your valves and fittings directly, without the need for additional couplings or other products.
**FLEX REDUCER APPLICATIONS**

MJ Tees  
MJ Valves  
MJ Crosses  
MJ Hydrants  
MJ 90’s, bends  
Flange Tees  
Flange Valves  
Flange Hydrants  
Flange 90’s and bends  
Large Meters  
Backflow Devices

**FLEX REDUCER BENEFITS**

Saves space  
No pipe to saw  
Faster installation  
Less chance for leaks  
Fewer glands to tighten  
Epoxy coating standard  
Mix or match glands — MJ or flange  
Glands deflect and spin to easily align and install  
Heavy-duty split glands are up to 1.5 times thicker

The Infact FLEX REDUCER is a patented product made in U. S. A. It meets the ductile iron and working pressure specifications of AWWA compact fittings, ANSI/WWA C153/A21.53 — American National Standard for Ductile Iron Compact Fittings 3-Inch Through 24-Inch (76mm Through 610mm) for Water Service.

SAMPLE SPECIFICATION: Mechanical joint (MJ) and/or flange joint valves, fittings and hydrants shall be restrained using a positive restraint mechanism manufactured in the U. S. A. of ductile iron conforming to ASTM A536, Grade 65-45-12. Both MJ glands shall have the capability of rotating 360-degrees and deflecting the full deflection amount of a mechanical joint. The glands shall bolt to integrally cast barrel ribs without the use of lug bolts, and shall be interchangeable to allow either INFACT MJ glands or flange glands to be attached in the field. The MJ glands shall be attachable with standard bolts and gaskets conforming to ANSI/AWWA C111/A21.11. The flange glands shall be attachable with standard bolts and gaskets conforming to ANSI/AWWA C110/A21.10 and flange drilling conforming to ANSI Class 125 B16.1. The device shall be supplied with a 7-mil NSF 61 approved fusion bonded epoxy conforming to AWWA C116/A21.16-09 as well as the coating, surface preparation and application requirements of ANSI/AWWA C550. The device shall be INFACT CORPORATION FLEX REDUCER or equal.
8 1/2 inch draw-up Ultra-compact Restraint

with heavy-duty glands that spin and deflect, making it easier and quicker to install.

Infact Ultra-compact Flex Adaptor

Infact Ultra-compact Flex Reducer

INFACT
TOLL-FREE 1-888-773-9130
www.infactcorp.com
MADE IN U.S.A.
U.S. PATENT NO. 8013170
Clean Your Valve Boxes
ONE LAST TIME

MUD PLUG
VALVE BOX DEBRIS PLUGS
- Easy push-in, pull-out installation
- Plug compresses to form tight seal
- Won’t absorb dirt or moisture
- 350-lb-test flexible poly handle
- Tough waterproof foam used in many life vests
- Inexpensive enough to put in all of your problem valve boxes

INFACT
TOLL-FREE
1-888-773-9130
www.infactcorp.com
MUD PLUGS BENEFITS

- Easy push-in, pull-out installation
- Closed-cell, will not absorb dirt or moisture
- Plug conforms to sides of valve boxes or pipe
- Water-proof, flexible, tough foam used in life vests
- 350-lb-test polypropylene handle — flexible, non-conductive
- Made in USA

SAMPLE VALVE BOX PLUG, PIPE PLUG SPECIFICATION: Valve boxes and stored pipe not under pressure shall be protected by using a push-in/pull-out plug manufactured in U. S. A. of 1.2 lb. or 1.7 lb. density closed-cell polyethylene material. (The HARDHAT plug will include a top layer of 6.0 lb. density material.) All materials shall be flexible, non-cracking, and will not absorb water. The polyethylene pad shall conform to the sides of the enclosure without the need for any tightening mechanism. The device shall come complete with a 350-lb-test polypropylene handle for easy and secure plug removal and be flexible so as not to interfere with the installation of any enclosure top. The plugs shall be Infact Corporation MUD PLUGS or equal.

MATERIAL: Cross-linked, laminated, heat fused, 1.2 or 1.7 density closed cell polyethylene

CHARACTERISTICS: Will not absorb water or dirt; bends but will not crack or break

STANDARD THICKNESSES: 2-inch, 4-inch, or 6-inch thickness (nominal)

STANDARD DIMENSIONS: up to 36 inches in diameter

COLOR: 2-inch thickness = white (other colors available in quantity orders)
COLOR: 4-inch thickness = light green (other colors available in quantity orders)
COLOR: 6-inch thickness = light green (other colors available in quantity orders)

FEATURES: Proprietary cutting machine produces no die-cut type concave sides

HANDLES: Flexible 350-lb-test polypropylene, 1/2-inch, heat fused polypropylene

MADE IN U. S. A.
Simple Relief from Constant Valve Box Clean-outs

WATER-PROOF, COMPRESSIBLE FOAM PLUGS

- Easy push-in, pull-out installation
- Closed-cell, will not absorb dirt or moisture
- Material compresses to form tight seal
- Inexpensive enough to put in all of your problem boxes
- WATER-PROOF, flexible, tough foam used in life vests
- 350-lb-test polypropylene handle — flexible, non-conductive
- Made in USA

HARDHAT MUD PLUG

The Infact HARDHAT Mud Plug has a heavy-duty top that can stand up to sand, grit and harsher environments. It’s also perfect for writing on with a permanent marker. Mark such items as utility name, valve open-shut direction, GPS location.

SIZES TO FIT MOST VALVE BOXES

Sizes to fit virtually all types and sizes of valve boxes and pipe. Call us for assistance.
# MUD PLUGS

## SIZES
| Diameters: 5 1/4 to 36-inch. Thickness: 2, 4, or 6-inch |

## TYPICAL USES
| Valve box debris plug |
| Temporary non-pressure pipe plugs |

## ADVANTAGES (Product)
- Will not absorb water or dirt
- Will not freeze
- Simple push-in, pull-out installation
- Not prone to cracking or splitting like hard plastics
- Fraction of the cost of the big name product
- Same high quality material used in many life vests
- Flexible, compressible material forms tight seal
- Flexible 350-lb-test non-conductive handle
- Available to fit virtually any box from 5 1/4 to 36-inch diameter
- HardHat Mud Plug offers heavy-duty top with writable surface
- Inexpensive enough to place in all troublesome valve boxes

## ADVANTAGES (Manufacturer)
- Products made in U. S. A. and Infact is an American-owned company
- BIG inventory; and special orders ship within one week
- No extra charge to drop ship
- Minimum order of only one box

## WATCH
Supply us with the following information:
- Valve box manufacturer and box model number, or
- Inside diameter of the valve box

## OPTIONS
1) HardHat Plugs
2) 2-inch thick plugs for shallow valve boxes
3) Tuffer Tags, customized color-coded durable tags

---

Keep dirt, sand, and mud out of valve boxes with compression fit MUD PLUGS
# Protect Against Water Equipment Freeze-ups

It’s cheaper to **PREPARE** than **REPAIR**

<table>
<thead>
<tr>
<th>Water-Proof?</th>
<th>FOAM RUBBER: NO Open-cell; readily absorbs water and dirt</th>
<th>INFACT INSULATION: YES Closed-cell; won’t absorb water or dirt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tear-Proof?</td>
<td>FOAM RUBBER: NO Weak structure; easily tears and frays</td>
<td>INFACT INSULATION: YES Tough, yet flexible and can be field cut</td>
</tr>
<tr>
<td>Freeze-Proof?</td>
<td>FOAM RUBBER: NO Freezes and loses its insulation value</td>
<td>INFACT INSULATION: YES Won’t freeze, even in severe conditions</td>
</tr>
<tr>
<td>Long-Lasting?</td>
<td>FOAM RUBBER: NO Lasts a few years? Or one bad year?</td>
<td>INFACT INSULATION: YES Can last for decades, even in coldest areas</td>
</tr>
</tbody>
</table>

---

**INFACT CORPORATION**, NORTH AMERICA’S LARGEST WATERWORKS INSULATION MANUFACTURER

INFACT CORPORATION, NORTH AMERICA’S LARGEST WATERWORKS INSULATION MANUFACTURER

---

**SALES:** (888) 773-9130  
**FAX:** (615) 206-9787  
**EMAIL:** info@infactcorp.com  
**www.infactcorp.com**

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U. S. Dept. of Energy map of highest-risk freeze zones

---

**WATER-PROOF** insulation  
2, 4, or 6-inches thick with flexible handles

**Standard 1-part pad**

**E-Z Read 2-part pad**
WATER-PROOF insulation for meter boxes, vaults, and other applications. Virtually any size or shape.

- MATERIAL: Cross-linked, laminated, heat fused, 1.2 or 1.7 density closed cell polyethylene
- CHARACTERISTICS: Will not absorb water or dirt; bends but will not crack or break
- STANDARD THICKNESSES: 2-in, 4-inch, 6-inch thickness (nominal)
- STANDARD DIMENSIONS: up to 48 X 108 inches per single piece (nominal)
- COLOR: 2-inch thickness = white (other colors available in quantity orders)
- COLOR: 4-inch and 6-inch thickness = light green (other colors available in quantity orders)
- INITIAL INSULATION R-VALUE, 1.7 density (2-inch thick): 2.14 per inch
- INITIAL INSULATION R-VALUE, 1.2 density (4-inch and 6-inch thick): 2.12 per inch
- FEATURES: Proprietary cutting machine produces no die-cut type concave sides
- HANDLES: Flexible 350-lb-test polypropylene, 1/2-inch, heat fused polypropylene
- MADE IN U. S. A.

SAMPLE METER BOX INSULATION SPECIFICATION: Meter boxes shall be insulated by using a push-in/pull-out insulation pad made in U. S. A. of 1.2 or 1.7 lb. density closed-cell polyethylene material. The material shall be flexible, non-cracking, and not absorb water. The pad shall come complete with a flexible 350-lb-test 1/2-inch wide non-conducting polypropylene handle for easy and secure pad removal. The sides of each pad shall include no concavity, symptomatic of die-cutting, but shall be straight-cut, perpendicular to the top and bottom of the pad to ensure minimal heat loss between the pad and the meter box. The pad shall be Infact Corporation insulation pad or equal.

SAMPLE GENERAL INSULATION SPECIFICATION: Insulation shall be made in U. S. A. of 1.2 or 1.7 lb. density closed-cell polyethylene material. The material shall be flexible, non-cracking, and not absorb water. The sides of each insulation section shall include no concavity, symptomatic of die-cutting, but shall be straight-cut, perpendicular to the top and bottom of the section to ensure minimal heat loss between the insulation and the insulated structure. The insulation shall be Infact Corporation insulation pad or equal.
<table>
<thead>
<tr>
<th>SIZES</th>
<th>6 to 36-inch diameter, thickness: 4-in (Economy) 2-in and 4-in (Combo)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPICAL USES</td>
<td>Pipe plugs for non-pressure applications, protecting both ends of the pipe — in the storage yard or on the construction site</td>
</tr>
<tr>
<td>ADVANTAGES (Product)</td>
<td>✓ Combo Plugs can fit bell AND spigot of multiple pipe types&lt;br/&gt;✓ Combo Plugs protect the entire bell from dirt and contamination&lt;br/&gt;✓ Typically much less expensive than competitive products&lt;br/&gt;✓ Simple push-in, pull-out installation&lt;br/&gt;✓ Flexible, compressible material forms tight seal&lt;br/&gt;✓ Flexible 350-lb-test non-conductive handle for easy removal&lt;br/&gt;✓ Will not absorb water or dirt&lt;br/&gt;✓ Same high quality material used in many life vests&lt;br/&gt;✓ Not prone to cracking or splitting like hard plastics&lt;br/&gt;✓ Available to fit virtually any pipe from 6 to 36-inch diameter&lt;br/&gt;✓ Turnaround within 3-5 business days&lt;br/&gt;✓ Inexpensive enough to place in all stored pipe</td>
</tr>
<tr>
<td>ADVANTAGES (Manufacturer)</td>
<td>✓ Products made in U. S. A. and Infact is an American-owned company&lt;br/&gt;✓ BIG raw material inventory; orders shipping quickly&lt;br/&gt;✓ No extra charge to drop ship&lt;br/&gt;✓ Minimum order of only $150</td>
</tr>
<tr>
<td>WATCH</td>
<td>Supply us with the following information:&lt;br/&gt;a) Inside diameter of the pipe, or class of pipe&lt;br/&gt;b) Type of pipe (our standard plugs fit most pipe materials and sizes, and we can ship special order plugs that fit other types)</td>
</tr>
<tr>
<td>OPTIONS</td>
<td>Call for special sizes, personalized plug labels, color coding options on large quantity orders, and price discounts for large quantity orders.</td>
</tr>
</tbody>
</table>
SAMPLE PIPE PLUG SPECIFICATION: Stored pipe not under pressure shall be protected by using a push-in/pull-out plug manufactured in U. S. A. of 1.2 lb. density closed-cell polyethylene material. Each plug shall include a top layer of 6.0 lb density protective material. All materials shall be flexible, non-cracking, and not absorb water. The polyethylene pad shall conform to the sides of the enclosure without the need for any tightening mechanism. The device shall come complete with a 350-lb-test polypropylene handle for easy and secure plug removal. The plugs shall be Infact Corporation PIPE PLUGS or equal.

COMBO PIPE PLUGS shall consist of a 4-inch thick plug sized for the spigot of the pipe and a 2-inch thick plug sized for the bell of the pipe, joined by means of an extra-length 350-lb-test polypropylene handle that allows one plug to protect the pipe while the unused plug remains outside the end of the pipe without interfering with adjacent stacked pipe.
Tag valves, meters, equipment and more with new TUFFER Color-Coding Customize-your-way Tags!

Other tags and labels are no match for TUFFER TAGS

- Color-code valve sizes, flow rates, inventory — customized the way you want it
- Durable time-tested polyurethane tag material utilizing special acid-etcher ink
- Optional continuous numbering of tags for numbering meters, inventory, other items

Color-code with 10 different waterproof colors

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>Pink</td>
</tr>
<tr>
<td>Orange</td>
<td>Violet*</td>
</tr>
<tr>
<td>White</td>
<td>Marine Blue*</td>
</tr>
<tr>
<td>Blue</td>
<td>Gray</td>
</tr>
<tr>
<td>Red*</td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td></td>
</tr>
</tbody>
</table>

* Black ink shows up better on lighter-colored tags

Choose any easy to handle sizes (height x width)

<table>
<thead>
<tr>
<th>Size</th>
<th>Actual Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 x 3</td>
<td>actual: 5 x 3-inch</td>
</tr>
<tr>
<td>4 x 3</td>
<td>actual: 4.25 x 3-inch</td>
</tr>
<tr>
<td>3 x 2</td>
<td>actual: 3.125 x 2.25</td>
</tr>
<tr>
<td>2 x 1.5</td>
<td>actual: 2 1/4 x 1 5/8</td>
</tr>
<tr>
<td>2 x 1</td>
<td>actual: 2 3/8 x 7/8</td>
</tr>
</tbody>
</table>

Questions?? Contact Infact printing department direct:

Email: 4infact@gmail.com
Direct line: 615-829-6591

IN FACT

SALES: (888) 773-9130
FAX: (615) 206-9787
EMAIL: info@infactcorp.com

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Flexible, durable, water-proof tags
TUFFER Color-coding Tags are tuff
- Underground
- Under water

Design your own tag on the next pages
We’ll email you a proof and quote at no cost or obligation

10 tag colors
5 tag sizes
With TUFFER TAGS, customize your tags YOUR way

... and choose your color

Want a 2-sided tag?
Simply photocopysthis page, fill in the words you want on the tag, or just write “logo” in the space and email your logo to us.

METER TAG (2 3/8 x 7/8)

Mix sizes and colors to suit your needs

Use a permanent marker or BLACK pen to print/draw within the dotted line print area of the tags.

METER LOGO TAG (2 1/4 x 1 5/8)

3 x2 MEDIUM TAG (3 1/8 x 2 1/4)

Rough-draw your design and email or fax this layout page for a quick quote

Printing Dept. Assistance: 615-829-6591

Email to: 4infact@gmail.com

FAX to: 615-206-9787
Flexible, durable, water-proof tags
TUFFER Color-coding Tags are tuff
- Underground
- Under water

<table>
<thead>
<tr>
<th>FREE</th>
<th>Simple logo or artwork if camera ready</th>
<th>FREE</th>
<th>Mix any combination of colors or sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREE</td>
<td>Set-up. Absolutely no set-up charges</td>
<td>FREE</td>
<td>Shipping for orders of $100 or more</td>
</tr>
<tr>
<td>LOW</td>
<td>Consecutive tag numbering available for meters, other uses</td>
<td>LOW</td>
<td>Minimum order of $50</td>
</tr>
<tr>
<td>LOW</td>
<td>Special Etcher-ink Pens for in-the-field marking of tags</td>
<td>CALL</td>
<td>for special orders, large quantity orders</td>
</tr>
<tr>
<td>CALL</td>
<td>Several tag attachment options available or supply your own</td>
<td>FREE</td>
<td>Cable tie attachment to Infact products</td>
</tr>
</tbody>
</table>

| 4 x 3 LARGE TAG (4 1/4 x 3) | 5 x 3 EXTRA-LARGE TAG (5 x 3) |

Rough-draw your design and email or fax this layout page for a quick quote

Printing Dept. Assistance: 615-829-6591
Email to: 4infact@gmail.com
FAX to: 615-206-9787
Tag valves, meters, equipment and more with new **TUFFER** Color-Coding Customize-your-way Tags!

### SIZES (Height x Width)

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>5x3</td>
<td>(5 x 3-inch)</td>
</tr>
<tr>
<td>4x3</td>
<td>(4 1/4 x 3-inch)</td>
</tr>
<tr>
<td>3x2</td>
<td>(3 1/8 x 2 1/4-inch)</td>
</tr>
<tr>
<td>2x1.5</td>
<td>(2 1/4 x 1 5/8-inch)</td>
</tr>
<tr>
<td>2x1</td>
<td>(2 3/8 x 7/8-inch)</td>
</tr>
</tbody>
</table>

### TYPICAL USES

- Valve, meter, plant equipment identification, sizes, flow rates
- Inventory, inspection, general purpose signage
- Customer notices and warnings

### ADVANTAGES (Product)

- Your simple logo or art printed on tag at no extra cost
- 10 colors and 5 sizes to choose from *(mix any way you want)*
- Highly chemically and temperature resistant for utility applications
- Print on front only or front and back
- Sequential numbering available, starting at your choice of numbers
- Unlike other tags, numbering is not limited to a few digits per tag
- Integral tag opening for cable tie or many other attachment choices
- Time-tested, durable polyurethane tag material
- Durable acid-etcher ink
- No setup charges for customized printing
- You draw it, Infact does the artwork and sends you an email proof

### ADVANTAGES (Manufacturer)

- Products made in U. S. A. and Infact is an American-owned company
- Stock tags ship within one day; customized tags ship within 3 weeks
- Minimum order of only $50

### WATCH

1) Keep message as short as possible for best results
2) Tags are very durable underground, inside, and under water, but like any plastic, UV light will gradually lighten the ink and degrade the tag in outdoor settings over the years (depends on your climate)

### OPTIONS

1) Acid-etcher pen for on-site marking of tags
2) Call us for various tag attachment options
Specifications

WATER-PROOF color-coding tags for valve boxes, meters, plant equipment and other applications.

- MADE IN U. S. A.
- MATERIAL: Chemically resistant polyurethane (see table below)
- CHARACTERISTICS: Durable, flexible water-proof tag, 10-tag colors, abrasion-resistant black lettering
- TEMPERATURE RANGE: -40°F to 250°F (-40°C to 121°C)
- LIFESPAN: Depending on climate, typical 5-7 years outdoors, more than 20 years indoors or covered
- CHEMICAL RESISTANCE:

<table>
<thead>
<tr>
<th>NO EFFECT</th>
<th>NOT RECOMMENDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>50% Sodium Hydroxide (NaOH)</td>
<td>Acetone</td>
</tr>
<tr>
<td>30% Hydrochloric Acid (HCl)</td>
<td>1, 1, 1, Trichloroethane</td>
</tr>
<tr>
<td>10% Sodium Chloride</td>
<td>Glacial Acetic Acid</td>
</tr>
<tr>
<td>30% Sulfuric Acid</td>
<td>Toluene</td>
</tr>
<tr>
<td>Diesel, Gasoline</td>
<td>Methyl Ethyl Ketone</td>
</tr>
<tr>
<td>Mineral Spirits</td>
<td></td>
</tr>
<tr>
<td>Kerosene, SAE 20 oil</td>
<td></td>
</tr>
<tr>
<td>10% Ammonia</td>
<td></td>
</tr>
</tbody>
</table>

SAMPLE TAG SPECIFICATION: [Valves, meters, hydrants, equipment] shall be identified by using a flexible injection molded chemically resistant polyurethane tag utilizing UV inhibitors and acid-etcher inkjet printing. The tag shall come complete with an integral opening for simple and secure attachment by plastic cable ties, S-hooks, aircraft cable or other suitable methods. The tags shall be made in the U. S. A. and be Infact Corporation Tuffer Tags or equal.
LOCATION, MANUFACTURER
Gallatin (Nashville), TN. Infact is housed in a modern facility on an 11-acre site. Shipping from Nashville and expanding regional warehouses.

LOCATION, DISTRIBUTORS
You may purchase Infact products through any waterworks distributor in your area. We sell through waterworks distributors only.

ORIGIN OF PRODUCTS
Made in U. S. A. and the company is American owned.

AVAILABILITY
Infact ships standard iron products and parts to distributors same day if ordered before noon central time. Special orders, insulation and miscellaneous products are shipped within 1-5 business days. We are happy to inventory recurring orders of these items upon request.

ABOUT THE COMPANY
Infact Corporation began in 1994 with the introduction of the Foster Adaptor, a compact mechanical joint (MJ) restraint product. The company sells the Foster Adaptor and other products through waterworks distributors throughout the continental United States and Canada.

Infact manufactures several patented iron products and is the nation’s largest manufacturer of waterworks waterproof insulation products.

PRODUCT SUPPORT
All calls to our toll-free number go directly to an associate who can also handle most product and technical questions. If you have an unusual issue, you will be transferred immediately to a technician. Our technical support team has decades of experience in water field operations.

WARRANTY AND LIABILITY
Infact warrants its products, when used in accordance with Infact’s product literature and installation instructions, to be free from defects in material and factory workmanship for a period of one (1) year from the date of shipment from our factory. User shall determine the suitability of the product for his intended use before using. Infact makes no other warranty of any kind, expressed or implied. Infact is not responsible for consequential or incidental damages, loss of use damages, cost of repairs, or any other damages whatsoever in connection with the warranties set forth above, and no warranty shall apply to any product which is modified or changed, misused, or operated beyond its design capabilities. If Infact determines that the failure of any product was due to a defect in material or factory workmanship, Infact shall, in its sole discretion, return the purchase price or replace the defective product. Infact disclaims all other warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, and shall not be liable for any incidental, consequential, indirect, contingent or punitive damages or expenses associated with its products.
HAVE QUESTIONS OR NEED ASSISTANCE?

**Toll Free: 888-773-9130**
7:00 am - 7:00 pm Eastern, 7 days a week

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**INFACT CORPORATION**
1283 GATEWAY DRIVE
GALLATIN (NASHVILLE), TN 37066

PHONE: 888-773-9130
FAX: 615-206-9787
EMAIL: info@infactcorp.com
WEBSITE: www.infactcorp.com
**FOSTER ADAPTOR**

- Bolt-thru MI restraint for valves and fittings
- Simple
- Secure
- 3 to 36-inch

- No pipe to saw
- Up to 75% fewer bolts
- Saves space
- Easier to lift and install

infact Foster Adaptors, like all infact products are made in USA

U. S. PATENT NO. 6015170

**FLEX ADAPTOR**

- Space-saving MI or flange restraint for valves and fittings
- Easier to install restraint

- EZ-align glands spin and deflect
- Extra-heavy-duty split glands
- Substitute MI or flange glands
- Epoxy-coating standard

U. S. PATENT NO. 6015170

**FLEX REDUCER**

- Space-saving MI or flange reducer for valves and fittings
- Hassle-free 8x8 Reducer

- 8 1/2-inch draw-up length
- EZ-align glands spin and deflect
- EZ-change MI or flange glands
- Uses standard accessories

U. S. PATENT NO. 6015170

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**FLEX T-2 and T-3**

- Space-saving MI or flange restraint for valves and fittings
- Direct-to-Tee Secure Restraint
- MJ x flange x MJ shown (or any mix you choose)

- Bolt valves or fittings direct-to-tee
- No pipe sawing or couplings
- Save space, time and money
- Use standard gaskets and bolts
- Change to MJ or flange in the field

U. S. PATENT NO. 6015170

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**COMBO PIPE PLUGS**

- 2-piece pipe plugs fit bell or spigot of pipe

- White plug in bell, green in spigot
- Easy to insert, even in stacked pipe
- Combo plugs won’t fall out of pipe
- Combo simplifies inventory, usage
- Handle and plug made in USA

COMBO PLUGS are available for all classes of iron and plastic pipe (non-pressure applications)

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**MUD PLUGS and INSULATION**

- Valve box debris plugs and meter box, vault, and air relief insulation

- Push-in, pull-out installation
- Plug compresses for tight seal
- Won’t absorb water or freeze
- Flexible, non-conductive handle
- Custom sizes available

Call for large variety of sizes and shapes of waterproof insulation and plugs

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Call your local waterworks distributor for prices

(888) 773-9130
info@infactcorp.com
www.infactcorp.com

MADE IN U.S.A.