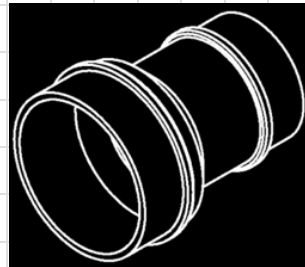


**IN FACT** MADE IN U.S.A. 

INFACCT CORPORATION  
WATERWORKS PRODUCTS



**FLEX REDUCER  
SPECIFICATIONS**

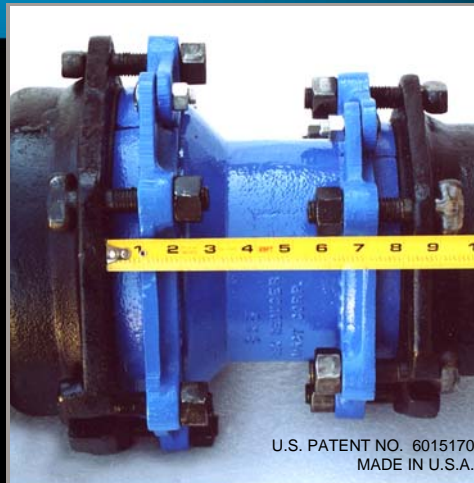
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# FLEX SPACE REDUCER

TIGHT SPACE RESTRAINT  
REDUCER-TO-VALVES AND FITTINGS



U.S. PATENT NO. 6015170  
MADE IN U.S.A.

## FLEX SPACE REDUCER

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



CALL YOUR LOCAL WATERWORKS  
DISTRIBUTOR FOR PRICES.

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# FLEX REDUCER



U. S. Patent No. 6015170

## ULTRA-COMPACT REDUCER SPACE-SAVING RESTRAINT (8 1/2-INCH DRAW-UP)



<b>SIZES</b>	8 x 6 MJ x MJ, 8-MJ x 6-Flange
<b>TYPICAL USES</b>	Restraints/reduces valves to tees and crosses Restraints/reduces 90's and other fittings
<b>ADVANTAGES (Product)</b>	<ul style="list-style-type: none"> <li>✓ Heavy-duty casting, glands up to 1 1/2 times thicker</li> <li>✓ Ultimate tight-space reducer with 8 1/2-inch draw-up length</li> <li>✓ No pipe to saw or couplings to install</li> <li>✓ No couplings or other parts mean fewer possibilities for leaks</li> <li>✓ Glands interchangeable (on-site), 6-inch MJ or Flange glands</li> <li>✓ MJ glands spin and deflect for easiest installation</li> <li>✓ Split glands are machined</li> <li>✓ Integral casting, no welds</li> <li>✓ Uses standard bolts and gaskets</li> <li>✓ Epoxy coating standard</li> <li>✓ Less expensive than standard reducer assemblies</li> <li>✓ Faster installation</li> </ul>
<b>ADVANTAGES (Manufacturer)</b>  <small>INFAC T PRODUCTS ARE AVAILABLE FROM YOUR LOCAL WATERWORKS DISTRIBUTOR</small>	<ul style="list-style-type: none"> <li>✓ Products made in U. S. A. and Infact is an American-owned company</li> <li>✓ SAME DAY shipping (orders received before noon)</li> <li>✓ BIG inventory; backorders are extremely rare</li> <li>✓ No extra charge to drop ship</li> <li>✓ No minimum order</li> </ul>
<b>WATCH</b>	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.
<b>OPTIONS</b>	Stainless steel kits

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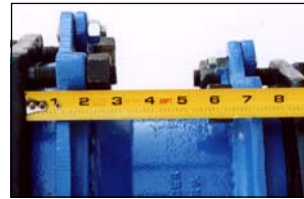


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# 8 1/2 inch draw-up

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

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MADE IN U.S.A.  
U.S. PATENT NO. 6015170



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

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

**IN FACT**

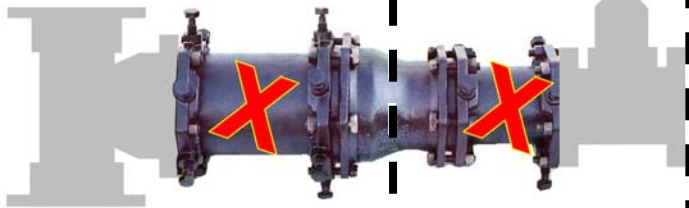
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# Cut it out

## TYPICAL REDUCER INSTALLATION



## FLEX REDUCER



8 1/2-inches  
|-----|  
installed

## CUT OUT

- Extra Space
- Extra Time
- Extra Parts
- Extra Money

The INFAC T FLEX REDUCER restrains your valves and fittings directly, without the need for additional couplings or other products.



## FLEX REDUCER

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

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ENGINEERING DATA / SPECIFICATIONS

# FLEX REDUCER



U. S. Patent No. 6015170

## ULTRA-COMPACT REDUCER SPACE-SAVING RESTRAINT (8 1/2-INCH DRAW-UP)



### FLEX REDUCER APPLICATIONS

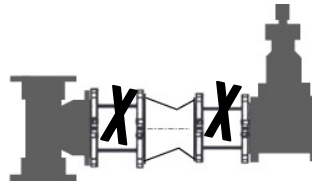
MJ Tees	Flange Tees
MJ Valves	Flange Valves
MJ Crosses	Flange Hydrants
MJ Hydrants	Flange 90's and bends
MJ 90's, bends	Large Meters
	Backflow Devices

### 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

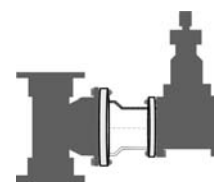
*The Infact FLEX REDUCER is a patented product made in U. S. A. It meets the ductile iron and working pressure specifications of AWWA compact fittings, ANSI/AWWA C153/A21.53 — American National Standard for Ductile Iron Compact Fittings 3-Inch Through 24-Inch (76mm Through 610mm) for Water Service.*

Other reducers require you to saw pipe or install couplings



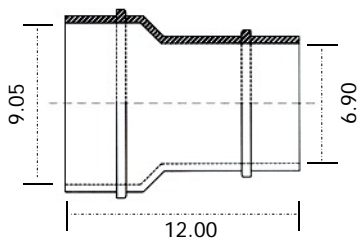
Conventional reducer installation

Save up to 2-feet of space — with less chance for leaks



FLEX REDUCER installation

**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 INFAC T 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 INFAC T CORPORATION FLEX REDUCER or equal.



8x6 Size






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### Installer's Guide

PRODUCT	DESCRIPTION	INSTALLED DRAW-UP DISTANCE	TYPE OF JOINT		RECOMMENDED APPLICATIONS		
			MJ	FLANGE	VALVES	FITTINGS	HYDRANTS
<b>FOSTER ADAPTOR</b>	Bolt-thru MJ Adaptor 	Sizes 3-12: 1-inch --- Sizes 14-24: 2-inches --- Sizes 30-36: 3-inches	✓		✓	✓	
<b>FLEX T-2</b>	Self-Restraining 2-way Tee 	0 inches --- (Direct Restraint)	✓	✓	✓	✓	
<b>FLEX T-3</b>	Self-Restraining 3-way Tee 	0 inches --- (Direct Restraint)	✓	✓	✓	✓	
<b>FLEX ADAPTOR</b>	Ultra-Compact Coupling 	8 1/2 inches	✓	✓	✓	✓	✓
<b>FLEX REDUCER</b>	Ultra-Compact Reducer 	8 1/2 inches	✓	✓	✓	✓	✓

