



## FLEXIBLE GAS PIPING SYSTEM

Natural Gas and Propane  
Commercial and Residential Applications





## **Flexible Gas Piping - Overview**

### **Application**

Flexible gas piping, constructed of corrugated stainless steel tubing (CSST), supplies natural gas or liquid petroleum gas to appliances in commercial and residential applications.

### **Materials/ Specifications**

- Tubing is ASTM A240 300 Series Stainless Steel
- Jacket material is UV resistant for outdoor use and plenum rated per the requirements of the ASTM E84 index for flame and smoke

### **Features & Benefits**

- Allows for simple routing through complex building structures and designs
- 70% fewer fittings required versus black iron pipe in most applications
- Clean and attractive finished installation
- Eliminates the burden of heavy, messy threading equipment
- Pre-marked by the foot for easy measuring and installation
- Lightweight – 250 feet of 1/2" CSST weighs approximately 35 pounds

### **About Gastite**

Recognized as a fuel gas-piping material since 1988, Gastite complies with ANSI LC-1b for "Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)." The Gastite system is listed by several independent third-party laboratories and is recognized by model building codes throughout North America. Gastite is ISO 9001 certified.

***Call your Gastite representative or distributor to order today!***

**1-800-662-0208 • [gastite@titeflex.com](mailto:gastite@titeflex.com)**

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## Flexible Gas Piping - Product Chart

No matter how large or complicated the project, Gastite flexible gas piping will allow you to finish the job sooner. Gastite tubing ranges from 3/8" to 2" in diameter, able to handle residential and commercial projects of all types and sizes, including major retrofit work.

Part Number	Description	Package Quantity	Lbs.	Reel Size
S93-6A4-250 S93-6A4-50 * S93-6A4-125 S93-6A4-500 S93-6A4-1000	3/8" Corrugated Stainless Steel Tubing	250 Ft/Coil 50 Ft/Box 125 Ft/Coil 500 Ft/Coil 1000 Ft/Coil	28.0 4.3 17.5 50.0 94.0	20" x 12-1/2" 21" x 6" 20" x 12-1/2" 20" x 12-1/2" 20" x 21"
S93-8A4-250 S93-8A4-50 * S93-8A4-125 S93-8A4-500 S93-8A4-1000 S93-8A4-1500	1/2" Corrugated Stainless Steel Tubing	250 Ft/Coil 50 Ft/Box 125 Ft/Coil 500 Ft/Coil 1000 Ft/Coil 1500 Ft/Coil	38.0 6.2 22.2 69.0 140.0 200.0	20" x 12-1/2" 21" X 6" 20" X 12-1/2" 21" x 21" 32" x 21-1/2" 32" x 21-1/2"
S93-11B4-250 S93-11B4-50 * S93-11B4-125 S93-11B4-500 S93-11B4-1000	3/4" Corrugated Stainless Steel Tubing	250 Ft/Coil 50 Ft/Box 125 Ft/Coil 500 Ft/Coil 1000 Ft/Coil	47.7 7.7 26.0 87.1 170.4	20" x 21" 21" x 6" 20" x 12-1/2" 24" x 25" 32" x 21-1/2"
S93-16A4-150 S93-16A4-50 * S93-16A4-75 S93-16A4-300 S93-16A4-500	1" Corrugated Stainless Steel Tubing	150 Ft/Coil 50 Ft/Box 75 Ft/Coil 300 Ft/Coil 500 Ft/Coil	42.3 18.1 23.8 78.4 130.8	20" x 21" 20" x 12-1/2" 20" x 12-1/2" 24" x 25" 32" x 21-1/2"
S93-20A4-150 S93-20A4-50 * S93-20A4-75 S93-20A4-300	1-1/4" Corrugated Stainless Steel Tubing	150 Ft/Coil 50 Ft/Box 75 Ft/Coil 300 Ft/Coil	60.0 22.1 30.0 103.8	24" x 25" 20" x 12-1/2" 20" x 21" 32" x 21-1/2"
S93-24A4-150 S93-24A4-50 * S93-24A4-75 S93-24A4-300	1-1/2" Corrugated Stainless Steel Tubing	150 Ft/Coil 50 Ft/Box 75 Ft/Coil 300 Ft/Coil	76.6 29.4 35.5 125.7	24" x 25" 20" x 21" 20" x 21" 32" x 21-1/2"
S93-32A4-150 S93-32A4-50 * S93-32A4-75 S93-32A4-300	2" Corrugated Stainless Steel Tubing	150 Ft/Coil 50 Ft/Box 75 Ft/Coil 300 Ft/Coil	108.0 39.5 51.6 194.0	32" x 21-1/2" 24" x 25" 24" x 25" 40" x 27-1/2"

Custom lengths are also available, please contact Gastite Customer Service for details.

\* Packaged in box.

WORLDWIDE | MAY 2007

## [ LAUNCH ] XR2

### The Latest Gastite® Innovation

“Half the size of its inspiration, the XR2 handles like a dream – requiring minimal work to prep and less torque to seat. With its patent-pending multi-point seal, the fitting seat and Gastite CSST actually conform together to create an optimum seal without altering the integrity of the fitting – so it is removable and reusable.”

The XR2's reduced size means an easier fit in confined spaces, opening up even more creative installation possibilities. The secret is out ... prepare to add the XR2 to your toolbox of solutions.”



Available at Gastite Distributors

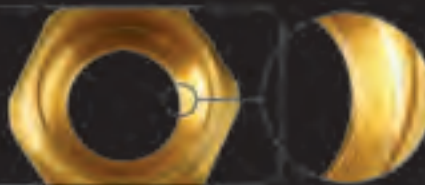
#### TOP PRIORITY

##### XR2 PRODUCT PROFILE:

- Compact Size & Reduced Weight
- Patent-Pending Multi-Point Seal
- Cut Tolerant
- Metal-to-Metal Seal
- No O-Rings or Gaskets
- Patented Jacket Lock®
- Reusable Components

#### TOP SECRET

Its patent-pending multi-point seal is highly advanced, yet is almost undetectable by the naked eye.



**Gastite**  
The System is the Solution™

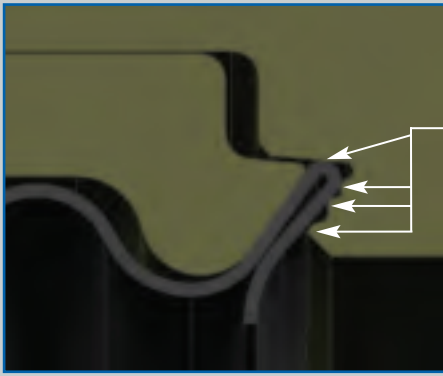
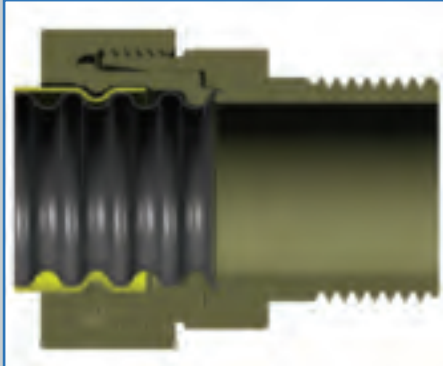
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## XR2 Straight Fitting - Product Chart

<p><b>Application</b></p>	<p>The XR2 Straight Fittings connect the Gastite flexible gas piping to the gas supply, distribution manifolds or gas appliances; and provide an optimum seal with minimum preparation.</p>
<p><b>Materials/ Specifications</b></p>	<ul style="list-style-type: none"> <li>· Fitting adapter, bushings and nut – Brass.</li> </ul>
<p><b>Features &amp; Benefits</b></p>	<div style="display: flex; align-items: flex-start;">  <ul style="list-style-type: none"> <li>· Patent-Pending Multi-Point Seal</li> <li>· Tool-Less Flare Fitting Design</li> <li>· Metal-to-Metal Multi-Point Seal – No O-Ring or Gasket</li> <li>· Self-Guiding Fitting Assembly</li> </ul>    <ul style="list-style-type: none"> <li>· Quick &amp; Easy Installation</li> <li>· Requires Reduced Forces and Torque</li> <li>· Approved for Concealed Use</li> <li>· Patented Jacket-Lock®</li> <li>· Compact Size &amp; Reduced Weight</li> <li>· Fully Reusable Fitting</li> </ul> </div>

Part Number:	Description:	Package Quantity:	Weight:
XR2FTG-6-24	3/8" Straight Fitting-1/2" NPT	24-Box	5.3
XR2FTG-8-24	1/2" Straight Fitting-1/2" NPT	24-Box	6.8
XR2FTG-11-24	3/4" Straight Fitting-3/4" NPT	24-Box	9.8
XR2FTG-16-12	1" Straight Fitting-1" NPT	12-Box	7.6
XR2FTG-20-6	1-1/4" Straight Fitting-1-1/4" NPT	6-Box	5.5
XR2FTG-24-4	1-1/2" Straight Fitting-1-1/2" NPT	4-Box	6.2
XR2FTG-32-4	2" Straight Fitting-2" NPT	4-Box	9.5



## Case Study: Riverview Condominiums

- Location:** Chicago, Illinois
- Project type:** Upscale residential/  
retail-store high-rise
- Contractor:** Borg Mechanical  
Contractors Inc.
- Supplier:** Columbia Pipe &  
Supply Co.
- Rep:** Top Marketing Inc.



“ Instead of each floor taking 10 days, suddenly we needed only three. That makes a huge difference in a 28-floor project. ”

Mike Sorley  
Project Manager

### The Challenges:

- Two, 28-floor towers with 100 high-end condo or town-home units, plus retail space at street level.
- Low ceilings and duct runs for heating and cooling obstruct gas-distribution lines.
- With black iron pipe, each floor takes 10 days to finish during project's first phase, making it tough to keep pace with demanding schedule.

### The Solutions:

- Although project is already under way, contractor switches to installer-friendly Gastite corrugated stainless steel tubing to save labor time.
- Reduced tooling and work-space requirements enable project manager to assign extra mechanics to accelerate installation.
- Installers avoid obstacles by running Gastite above the ductwork, using one-hole straps attached to the bottom of the concrete structure.

### The Benefits:

- Gastite helps slash installation time by 70%: each floor requires only three days to complete.
- With only two simple connections per run, Gastite needs no bulky, heavy and messy pipe-fabrication machinery.



## Case Study: Park Ave. Condominiums

- Location:** Las Vegas, Nevada
- Project type:** Luxury, multi-family mid-rise
- Contractor:** Interstate Plumbing & Air Conditioning Inc.
- Rep:** Southwest Sales



### The Challenges:

- Project consists of 20 contiguous, five-story buildings. The entire first floor of each 32-unit building is an open parking garage from whose ceiling protrude as many as 14 different, weight-bearing beams, measuring 20 inches deep and 48 inches wide.
- The first 15 buildings in the Park Avenue complex all used black iron pipe for gas distribution. Wrapping 1¼-inch and 1½-inch metal pipe around the drop beams – with all the messy threading and cutting – stretches gas-line installation time to nine weeks per building.

### The Solutions:

- For Building No. 16, Interstate project manager Dennis Aukerman requests a boost in gas pressure to five pounds per square inch to accommodate smaller piping.
- Instead of iron pipe, Aukerman also switches to corrugated stainless steel tubing, whose superior flexibility sharply reduces the number of fittings needed – around the drop beams and throughout the project.

### The Benefits:

- Gastite flexible gas piping cuts installation time in No. 16's garage by 40%. Interstate's three-man crew needs only six weeks – instead of the previous nine – to install all the gas piping.

“ I'm not afraid to try things another guy might not think of. With all those drop beams in the garage ceiling, Gastite just made perfect sense. ”

**Dennis Aukerman,**  
Interstate P&AC



WHEN ARE  
**MULTIPLE  
POINTS...**  
TOO MANY POINTS?

**NEVER...**  
when it comes to sealing a  
gas piping installation.

With the Gastite XR2 fitting you can depend on the patent-pending multi-point seal. The new XR2 fitting is the only fitting of its kind in the industry. The sealing surface does not utilize the cut end of the tubing, so even the most unsightly cut will yield a tight seal. What's more there are no o-rings or gaskets, so the reusable brass components provide a reliable metal-to-metal installation.

There's nothing fishy about it, just pure innovation. Call 800-662-0208 to take advantage of Gastite flexible gas piping and the new XR2 fitting.



**FEATURES & BENEFITS:**

- Compact Size & Reduced Weight
- Patent-Pending Multi-Point Seal
- No O-Rings or Gaskets
- Less Torque Required
- Minimal Threads to Travel
- Metal-to-Metal Seal
- Patented Jacket Lock
- Reusable Components



**Gastite**  
The System is the Solution™

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