

# Hot Taps and Line Stops



# Leader in Hot Tap and Line Stop Services



## Advantages of Team's Hot Tap / Line Stop Services

- + No shutdowns or service interruptions
- + Eliminates emissions and loss of product
- + Backed by over 40 years of experience
- + In-house engineering design and support
- + In-house technician training and certification programs
- + Single provider for all hot tap and line stop needs

Team has led the industry in the delivery of safe, effective hot taps and line stops for more than 40 years. We use the latest technology to safely create tie-ins, repair, and modify virtually any on-stream transmission or distribution line while under full operating conditions. Our hot taps and line stops can be performed on all types of pipe grades, sizes, pressures and temperatures, utilizing our own equipment both on land and offshore.

Team provides engineering, manufacturing, and many other related services offering you a single source for all hot tap and line stop needs from start to finish. Team's hot tap and line stop equipment is strategically located across our large network of locations for the fast delivery of our resources to your job site. Whether it is an emergency, planned or routine maintenance, Team is prepared to meet any hot tap or line stop challenge 24/7/365.

## Certified Technicians Ensure the Job is Done Right the First Time

At Team, we employ the most qualified technicians to ensure each and every job is completed to the highest standards every time. Our technicians are put through a rigorous method specific, multi-level certification and training process. The training process is comprised of both classroom and hands-on training resulting in knowledgeable and experienced technicians.

## Ranges

- + Sizes ½" to 48" for hot tap and up to 84" for line stop (15 mm to 2,100 mm)
- + Temperatures from cryogenic to 1,350°F (730°C)
- + Pressure from vacuum to 4,300 psig (296 bar)

## Applications

- + Valve installation, replacement, repairs
- + Pipe or fitting replacement, repairs
- + Pipeline tie-ins
- + Re-routing process piping
- + Repairing pressure letdown stations
- + Isolating pressure vessels
- + Decommissioning piping
- + Pressure and vacuum installations
- + Quality control sample points
- + Thermowell installations
- + Flowmeter installations

# Team Fittings

Team designs, engineers, manufactures, sells, installs and services a wide range of fittings. We maintain a large inventory of stock clamps and enclosures. Team fittings meet or exceed design code requirements for ANSI/ASME B 31.1, B 31.3, B 31.4, and B 31.8. Engineering design packages are available for all fittings.

## Fitting Inventory

- + ½" through 36"  
(12 mm through 914 mm)
- + B31.3 - B31.4 - B31.8 available for immediate delivery
- + Full encirclement split tee and scarfed nozzle with full encirclement saddle design available
- + Welded or mechanical bolt-on for both low and high pressure applications
- + Custom design capabilities for specific application

## SealTite® Completion Flanges, Plugs

When modifications or damage to pipe components or pipeline systems occur, repairs must be performed to eliminate the mechanical weaknesses. This can be completed by utilizing hot tapping and line stopping methods. To perform safe hot tap or line stop operations it is imperative the fittings installed enable safe and efficient production while the repair is conducted. Team's line stop fittings with SealTite® Completion Flanges offer the safest, most secure leak-tight flanged connection available.

Several variations of the SealTite® completion flange are available for hot taps and line stops to provide the ultimate seal. Plant series with metal to metal seal with O-ring backup and pipeline series with primary O-ring seals are available.



## Features and Benefits

### Plant Series

- + Compatible with other designs
- + O-ring on completion plug provides additional safety seal
- + Packing glands located on the SealTite® flange's jack bolts
- + Eliminates potential check valve leaks
- + Enable safe line re-entry at high temperatures and pressures
- + Can be rebuilt online regardless of temperature or pressure
- + Available in stock for 150#, 300# and 600# flange ratings
- + 900#, 1500# and 2500# flange ratings available upon request

### Pipeline Series

- + Universally compatible with industry equipment
- + Available with or without check valves to eliminate leak point
- + O-ring seal
- + Easily re-entered
- + Scarfed nipple for coupon attachment for pigability
- + Flow through pig bars available for hot tap applications
- + Available in stock for 150#, 300# and 600# flange ratings, higher available upon request
- + 900#, 1500# and 2500# flange ratings available upon request



### Split Tee Fittings

Team's split tees are designed for use when installing branch lines.

#### Features and Benefits

- + Suitable for both hot taps and line stops
- + Compatible with standard hot tapping/line stopping equipment
- + Eliminate nozzle alignment problems
- + No potential for weld to penetrate tapping area
- + Allow full-bore hot tap size
- + Full range of reducing branch sizes available
- + Custom fittings for any size, flange rating, temperature, pressure and process



### Full Encirclement Saddle Fittings

Team's full encirclement and pipe reinforcing saddles are used for branch connections into high and low pressure operating systems.

#### Features and Benefits

- + Handles both hot taps and line stops
- + Compatible with existing hot tapping/plugging equipment
- + Nozzle holds fitting pressure
- + Eliminates pressure-bearing fillet welds
- + Minimizes hot tap size
- + Available in 3" to 36" sizes, any alloy
- + Full range of reducing branch sizes available



**Part No. 1**  
2-Piece full encirclement saddle with vertical split



**Part No. 2**  
2-Piece full encirclement saddle with horizontal split



**Part No. 3**  
2-Piece full encirclement saddle with vertical split and split collar



**Part No. 4**  
2-Piece full encirclement saddle with horizontal split and reinforcing collar



**Part No. 5**  
3-Piece full encirclement saddle

## Team Fittings (continued)

### Bolt-On Hot Tap Fittings

When welding is prohibited, Team offers a cost effective way to perform a hot tap utilizing bolt-on hot tap fittings. A bolt-on hot tap fitting can be used in restricted areas with installations on copper, brass and carbon steel pipes.

#### Features and Benefits

- + Handles critical service for extended periods of time
- + Available for hot taps and line stops
- + Sizes from 1/2" to 36" (15 mm to 900 mm)
- + 150#, 300# and 600# ANSI rated flanges
- + No welding required
- + Effective in fluctuating temperatures and pressures
- + Can be utilized to reenter the line
- + Custom-manufactured options available for any size, shape, pressure, temperature, process or material



### Sealing Elements

Team's sealing element creates the seal when it aligns with the interior wall of a pipe.

#### Features and Benefits

- + Pressures to 1,480 psi
- + Sizes from 3" to 36"
- + Temperatures to 350°F
- + Available drilled, ground-to-size, unground
- + Buna-N material standard
- + Viton, EPDM, Aflas available



### Gas Distribution and Transmission Fittings

Team offers gas distribution and transmission fitting products for natural gas piping systems.

#### Features and Benefits

- + ANSI 150# and 300# series
- + No special adapters required
- + Pressure control fittings for steel piping
- + 1-1/4" to 3" threaded fittings with completion plug, O-ring and cap
- + 4" to 12" flanged fittings with completion plug, O-ring and blind flange



# Where You Need Us. When You Need Us.

With offices in over 40 countries, Team will be there when and where you need us. Our global presence enables us to be fully immersed in local safety, quality and compliance requirements, while backed by a world-class service Team. We have the resources to respond promptly with a comprehensive solution in any situation. No matter where you are in the world, whether you are dealing with scheduled inspections or an emergency pipe repair, you can count on us to service your equipment quickly, safely, accurately and at the high level of quality people have come to expect from Team.

## Team Service Capabilities

- + NDE / NDT Inspection
- + Heat Treating
- + Leak Repair
- + Emissions Control
- + Hot Taps, Line Stops
- + Field Machining Services
- + Bolting and Torquing
- + Valve Repair
- + Concrete Repair
- + Isolation Test Plug
- + Valve Insertion
- + Mechanical Integrity
- + Manufacturing
- + Specialty Welding
- + Project Services

Team experts are available 24 hours a day,  
7 days a week, 365 days a year.

Call us today: **1-800-662-8326**