



Phastite[®] Push-Fit Tube Connectors

Non-welded solution for small bore tubing
for applications up to 22,500 psi (1,550 bar)



ENGINEERING YOUR SUCCESS.

A BREAKTHROUGH IN TUBE CONNECTIONS

Phastite® push-fit connectors are revolutionizing the industry by providing an alternative tube connection solution that eliminates the need for welding. With unique benefits such as vibration tolerance and consistent make-up, these push-fit connectors can help you get your system installed quickly without any of the risks associated with welding.

PHASTITE

The Smart Alternative to Welding

**FAST AND SIMPLE ASSEMBLY
EVEN IN TIGHT SPACES**
Leak-Free Connections Every Time in
Minutes!

Phastite® assembly tools are revolutionizing the traditional assembly process by making it simple and efficient. These tools, along with the revolutionary connector design, deliver a fast, simple, and leak-free connection in just a few minutes.

GREATER ACCURACY AND PRECISION
Eliminate Assembly Errors

Unlike welding, the pre-assembled connectors eliminate the risk of errors associated with manual assembly. The streamlined make-up process requires no measuring and ensures a perfect fit to a pre-determined stop face on the body, further eliminating errors.

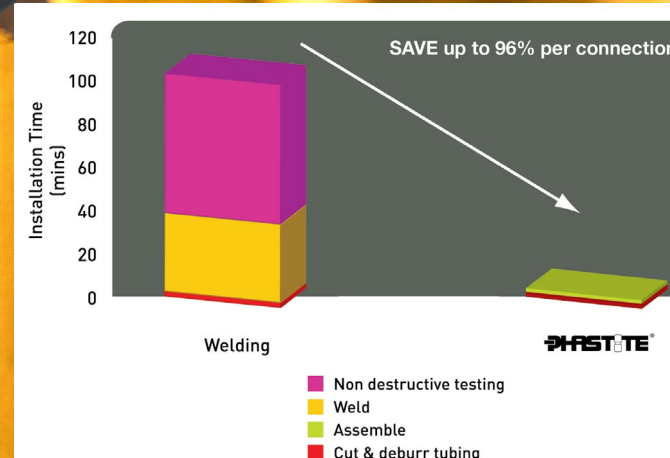
INCREASED SAFETY
Eliminate Fire, Explosion and Injury Risk

Phastite®'s simple assembly process reduces the potential for injury by eliminating additional operations and hazardous materials. Furthermore, it provides permanent leak-free connections without any hot work or fire/explosion risks, brittleness issues, or corrosion implications.

LOWER COST OF OWNERSHIP
Save Time, Money and Effort

Phastite® offers a lower cost of ownership compared to welding, due to its simple installation process and the elimination of weld preparation and post-weld processes. Assembled in minutes, it reduces assembly and project lead times.

Approximate time saving compared to welding



22,500 psi
1,550 bar

Maximum working
pressure

-45°C to +93°C
-50°F to +200°F

Temperature range

10,000 feet
3050 m

Tested and rated
submerged water depth

1/4" to 1" OD
6mm to 25mm OD

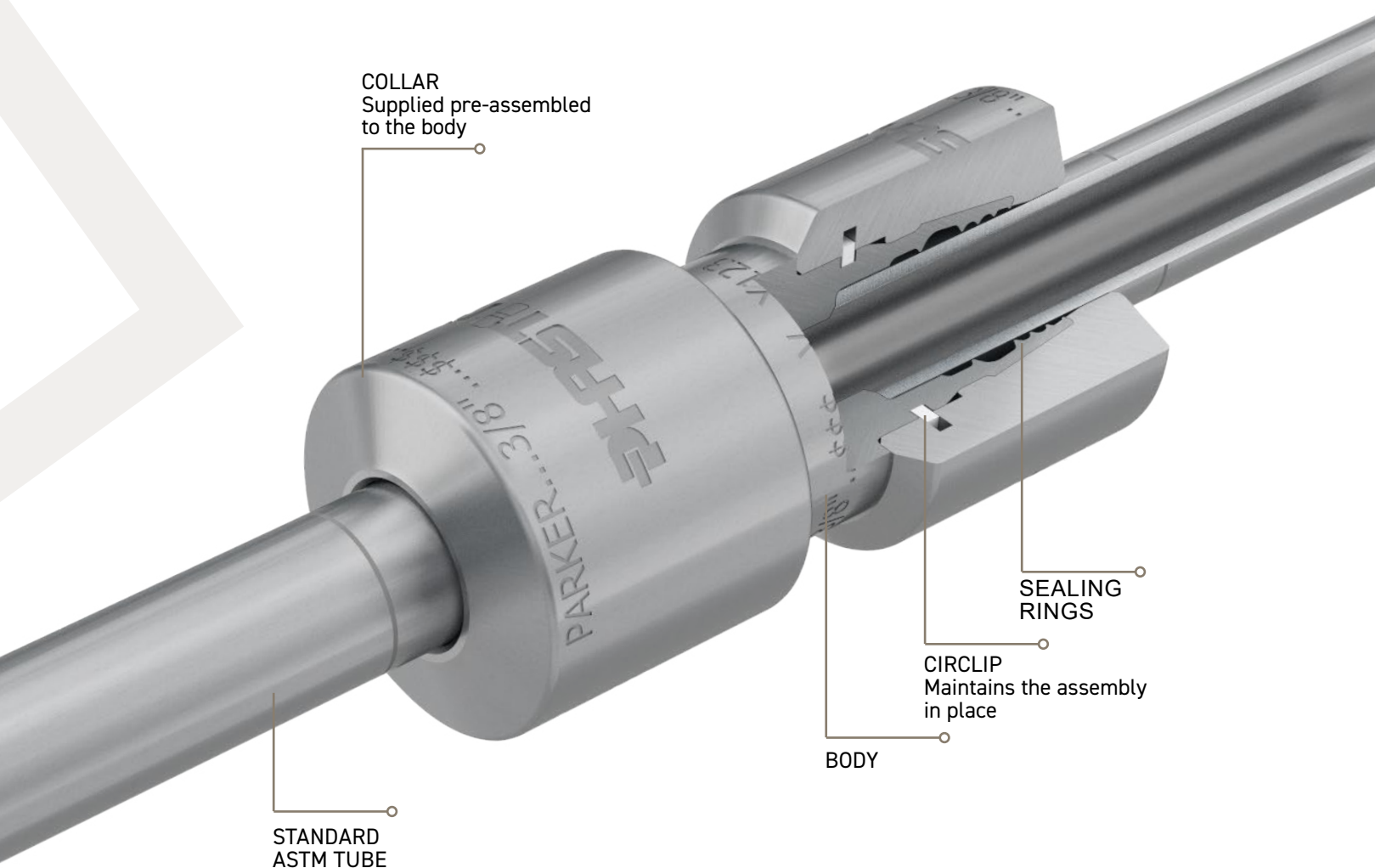
Used with standard tube
ASTM A269/B444-06/B423 or
A789/789M

Permanent Leak-Free Tube Connections in Minutes

No welding involved!

Phastite® is an innovative push-fit technology designed to provide permanent connections for small bore commercial grade ASTM tubing without the need for welding. The patented design consists of a precision machined body and collars supplied pre-assembled, allowing for quick and easy installation. The unique design of the Phastite® connector ensures that metal-to-metal seal points are secured onto the tubing from its formed peaks within the bore of the connector body, providing excellent sealing and holding capabilities.

Additionally, Phastite® termination connectors have the ability to break and re-make joints as required. With its robust design, quick installation process and reliable performance, Phastite® push-fit connectors are the perfect choice for permanent tube connection solutions.

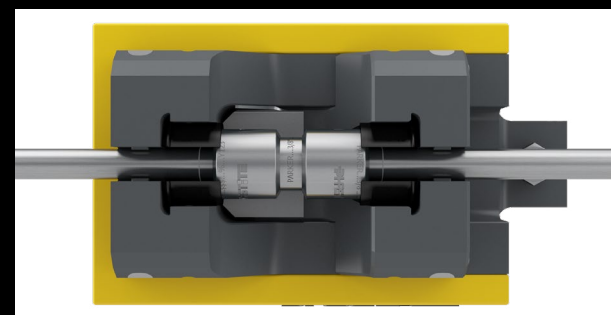


How it works

- 1** Select and prepare the tube:
- Cut the tube squarely.
 - Deburr the tube end.
 - Clean the tube end.
 - Mark the tube using a tube marker.



- 2**
- Select the correct Phastite® connector, assembly tool, jaw inserts and pump.
 - Insert the jaw inserts into the assembly tool.
 - Place the chosen connector between the inserts.
 - Bottom out the tubing.
 - Actuate the assembly tool.



- 3**
- Remove the tube/fitting assembly from the tool.
 - Visually inspect the assembled Phastite® connector and tubing for correct assembly and tube insertion.





Unmatched **Reliability** in Industrial and Oil & Gas Applications

Rigorously Tested for Outstanding Performance

Phastite® connections have been subjected to an extensive range of tests in order to prove their performance across a variety of industries. Phastite® met or exceeded all requirements including, but not limited to the following tests:

- Hydrostatic testing
- Flexural testing to ISO 19879 and BS 4368 or ASTM F1387
- Combined pulsation and flexural tests to ISO 19879 and BS 4368
- Hydrostatic burst test
- Gas testing to ISO 19879
- Hyperbaric test
- Deflection test
- Vibration tests to ASTM F1387
- Fire test to BS.6755 pt 2
- Tensile pull test to ASTM F1387
- Thermo cycling to ASTM F1387
- Corrosion testing

REQUEST A DEMONSTRATION

Contact your local Parker representative to schedule a Phastite® demonstration and see how our technology can help streamline your tube assembly process.



Phastite® samples were tested internally and externally, then validated by DNV.

Maximised Reliability and Safety with Small Bore Expert Training (SBEx)

Parker's Phastite® Small Bore Expert training (SBEx) is designed to provide all the necessary skills and knowledge to install efficient and safe small bore tubing systems utilising Phastite tools and connectors.



Quality and Safety Assured by Heat Code Traceability (HCT)

Parker's Phastite® connectors are manufactured to the highest standards with each part traceable back to the original mill heat of metal used. HCT provides a number that is stamped onto the part and refers back to a package of documents describing its physical and chemical composition, offering assurance that raw materials meet code requirements and a record of the chemical analysis. In addition, Parker is dedicated to preventing potential stress corrosion in its connectors by avoiding exposure to mercury or halogens throughout manufacturing processes and controlling thermal treatment.





WARNING

FAILURE, IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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Parker Hannifin Manufacturing Ltd.
**Instrumentation Products Division,
Europe**
Riverside Road
Barnstaple EX31 1NP
United Kingdom
phone 0044 1271 313131
www.parker.com/ipd

Parker Hannifin Corporation
Instrumentation Products Division
1005 A Cleaner Way
Huntsville, AL 35805
USA
phone 0011 (256) 881 2040