



# Parflex Formed Hose & Tubing

Custom Shapes for Various Applications



ENGINEERING YOUR SUCCESS.

# Formed Hose & Tubing

## Reduces Customer Installation Costs



With exemplary abrasion resistance and remarkable formation memory, Parflex formed hose and tubing serves as a fundamental problem solver for applications with formed steel tubes, hose-tube combinations, and conventional hose. Parker Parflex offers a wide variety of thermoplastic hose and tubing to fulfill numerous temperature, pressure, and liquid compatibilities.

Most Parflex thermoplastic hoses and tubing can be formed into specific shapes in order to meet the requirements of various applications. This product is innovative and unique, characterized by flexibility, memory, and durability.

Formed hose is rigid but flexible, which allows for ease of installation, consistent repeatability, and storage in small boxes rather than wooden crates, which reduces shipping costs and increases floor space.

Furthermore, formed hose and tubing has the ability to maintain and preserve its shape once formed. This feature makes packaging more compact and organized, resulting in an overall reduction in packaging size, weight, and freight costs. As soon as they are shaped and formed, Parflex products can be routed throughout small, hard-to-reach areas, leading to fewer connecting points and eliminating the need for hose-tube combinations.

An ideal application for this product would be repeatable applications with defined routings where tolerance stack-up complicates installation.

### Advantages

- Cleaner routings
- Reduction in weight
- Minimizes leak points
- Reduces abrasion
- Excellent corrosion resistance
- Superior chemical compatibility
- Eliminates "non-conforming" tubing scrap and form retention
- Quick and easy installation

### Product Features

- Resistant to pinhole leaks
- Nearly all Parflex hoses and tubing can be formed
- Extremely tough and abrasion resistant
- Lightweight compared to alternative hoses and tubes
- Compact O.D. sizes
- Higher cleanliness standards when compared to alternative hoses and tubes
- Low permeation
- Superior flexibility when compared to alternative hoses

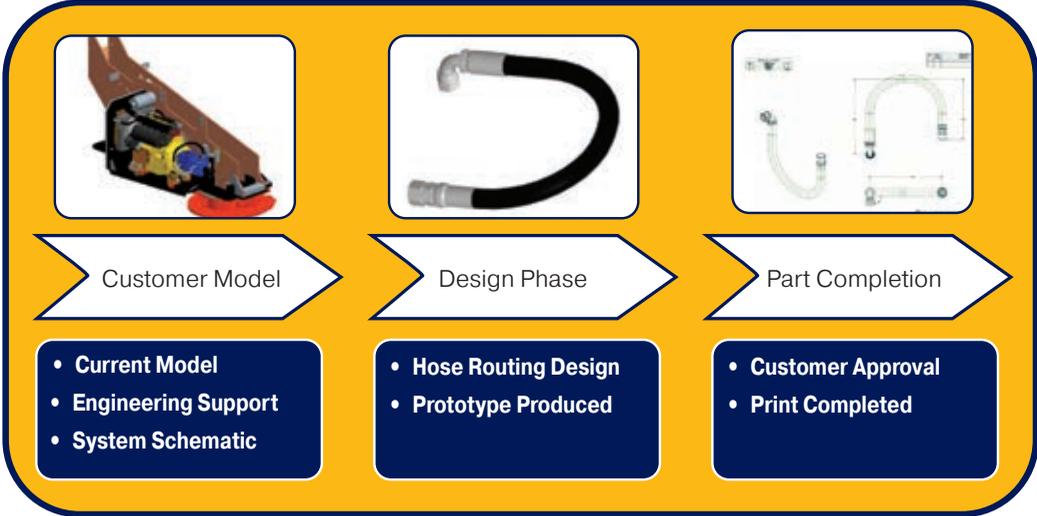




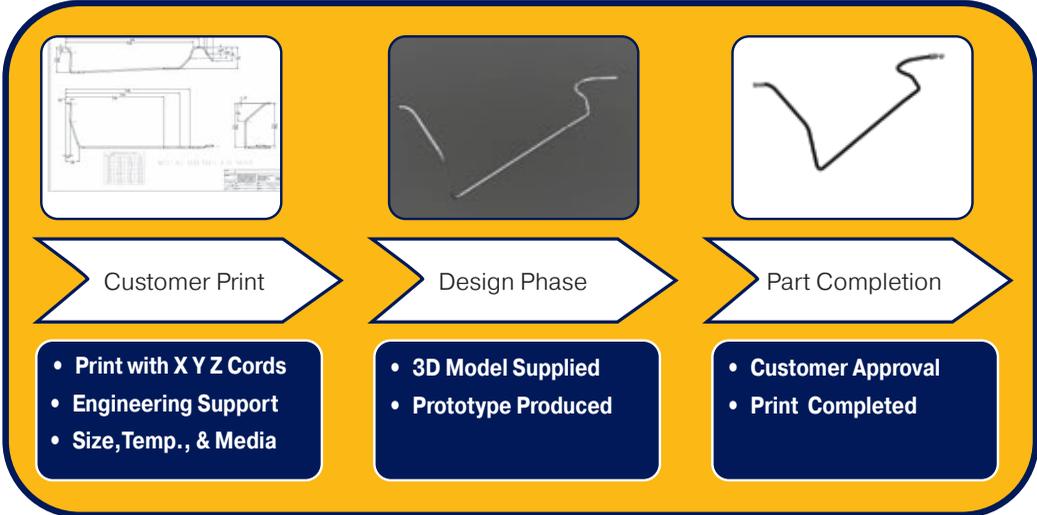
Parflex Application Engineers are available to offer assistance and guidance during the completion of your unique projects.

# Three Ways To Take Your Concept To Reality

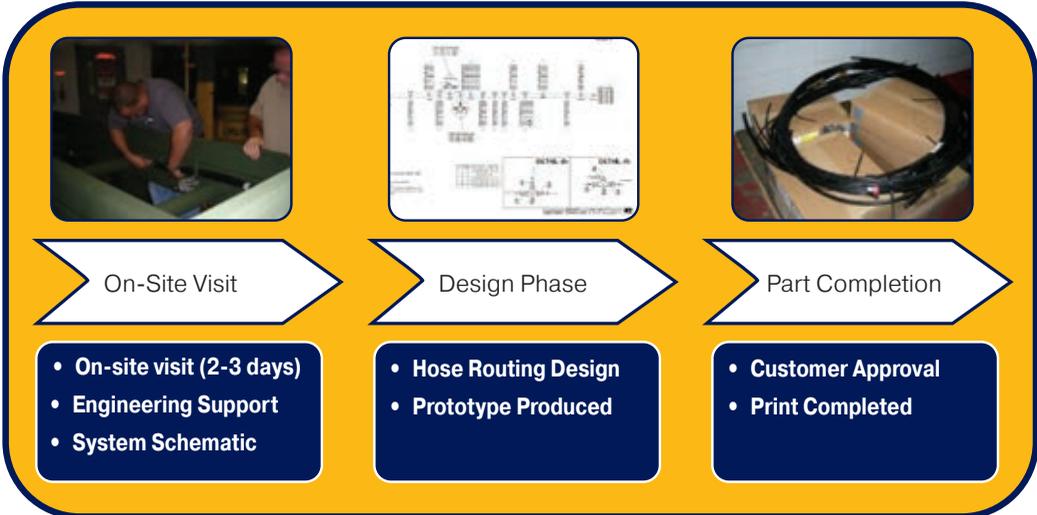
Method #1:  
Customer Model



Method #2:  
Customer Print



Method #3:  
On-Site Prototype



# Benefits to the Customer



- **Labor Cost is Reduced**  
Formed thermoplastic hoses improve the process and overall efficiency of installation
- **Part Numbers Reduced**  
Formed thermoplastic hoses reduce multiple component inventory
- **Thread Joints Reduced**  
Formed thermoplastic hoses eliminate leak points, connections associated with alternative hose, and hose-tube combinations
- **Component Weight Reduced**  
Formed thermoplastic hoses are lighter in weight than alternative hoses and steel tubes
- **Rigid but Flexible**  
Formed thermoplastic hoses allow for an easier installation process when compared to steel lines as misalignment is difficult to connect
- **Components Eliminated**  
Formed thermoplastic hoses require fewer clamps due to superior shape retention over long lengths
- **Standardized Routings**  
Formed thermoplastic hoses eliminate the possibility of connecting hose to inaccurate components
- **Excellent Chemical Compatibility**
- **Reduced Abrasion**  
Formed thermoplastic hoses are capable of being routed around abrasive components
- **Identification Marking on Each Line**
- **Reduction In Freight Costs**  
Packaging size and weight decreased

# Typical Success Story - Skid Steer

Before

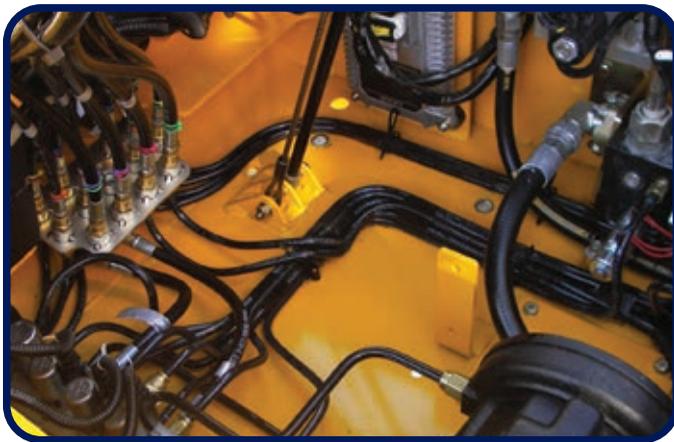
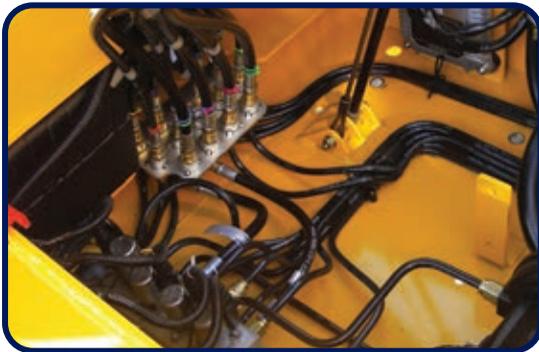


- 300 threaded BSPP connections
- Challenging and time consuming to assemble
- Hoses are difficult to access
- For each machine, installation process took one hour

	Rapid Assembly	Threaded Connection
Connections	50	50
Seconds/connection	10	40
Total Time/(sec)	500	2,000
Total Time/(hours)	0.139	0.556
Est. Labor/(hours)	\$50	\$50
Labor \$/machine	\$6.94	\$27.78
1800 machine labor	\$12,500	\$50,000



After



- 210 threaded ORFS connections
- Routings are clean, orderly, and uncluttered
- 50 push-to-connect connections
- Very easy to assemble
- O-Ring sealed **Installation time is only 15 minutes**

Labor Savings  
\$37,500.00

Visit the 515H  
hose webpage

XDT harnesses remove 22 hose ends and the 515H rapid assembly system removes 28 hose ends in the joysticks alone. The XDT formed harnesses allow for the bundling of parts, eliminating order complexity and complication, rather than ordering 14 single tubes, order only 4 part numbers.





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