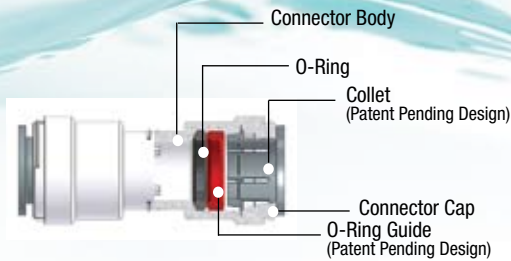


Technical Information

Sea Tech Inc., a subsidiary of Watts Water Technologies, was established in 1995 and provides reliable, high quality, cost effective connection solutions. Sea Tech Inc. offers a wide range of standard and unique custom fittings, valves, manifolds, and tubing designed to address specific customer requirements. As a subsidiary of Watts, Sea Tech Inc. designs, manufactures, and markets its products worldwide from Wilmington, NC and through authorized stocking distributors. Sea Tech Inc. maintains a continual R&D program to constantly upgrade the product ensuring the most reliable, cost effective solution for your connection needs. It is Sea Tech's mission to provide customers the best product available, with on-time delivery, at the best possible price.

MATERIAL SPECIFICATIONS

SERIES	MATERIAL	COLOR	O-RING
24 Series	Thermal Plastic	Bright White	EPDM
35 Series	High Performance Thermal Plastic	Off White	EPDM
45 Series	Brass	Brass	EPDM
Metric Series	Thermal Plastic	Black	EPDM



FITTING PERFORMANCE RATINGS

24 Series	100psi@140°F 6.8bar@60°C	250psi@75°F 17.25bar@24°C
35 Series	100psi@180°F 6.8bar@82°C	250psi@75°F 17.25bar@24°C
45 Series	200psi@180°F 13.6bar@82°C	250psi@75°F 17.25bar@24°C
Metric Series	100psi@140°F 6.8bar@60°C	250psi@75°F 17.25bar@24°C

THREAD TORQUE VALUES

Size	1/2"	3/4"
Torque Value	Min. 17.7 in-lbs	Min. 22.7 in-lbs
	Max. 26.5 in-lbs	Max. 31 in-lbs

TUBING TOLERANCES

Tolerance	+0.004" ~ 0.004" O.D. +.010mm ~ -.010mm O.D.
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FDA FDA approval: Sea Tech fittings are produced from FDA approved materials.

NSF ANSI/NSF-61 Certifications: Sea Tech 35 Series, 24 Series, 45 Series, and Metric Series products are tested, certified, and approved for contact with drinking water.

NSF ANSI/NSF-14 Certifications: Sea Tech 35 Series and 45 Series products are tested, certified, and approved to NSF-14 standards.

CSA CSA B137.5 Certifications: Sea Tech 35 Series and 45 Series products are tested, certified, and approved to Canadian standard CSA B137.5.

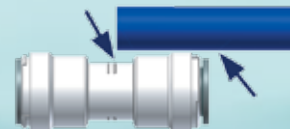
ASTM ASTM F877 Certifications: Sea Tech 35 Series and 45 Series products are tested, certified, and approved to ASTM F877 performance standards.

NSF NSF-U.P. Code Certifications: Sea Tech 35 Series and 45 Series products are tested, certified, and approved to meet the requirements of the Uniform Plumbing Code.

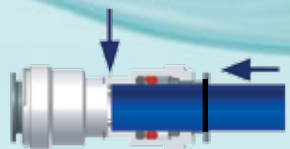
MAKING A CONNECTION



Cut the tubing to length using the Sea Tech tubing cutter or similar. Inspect the outside diameter of the tubing. It must be free of damage, smooth, and clean.

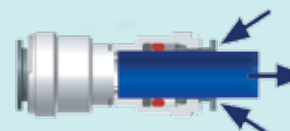


Measure the insertion depth on the tubing end. Sea Tech connectors have an insertion depth line molded onto the outside of the connector bodies.



Make certain to push the tubing completely into the connector until it comes into contact with the internal tubing stop.

TUBE STOP



To disconnect ensure the system is depressurized before removing connectors. Push the collet in squarely against the face of the fitting. With the collet held in this position, the tubing can be removed. The connectors can then be re-used.

* For 35 and 45 series products to be compliant with IAPMO ASSE 1061-2006: If PEX tubing is used, then a tube support liner must be used also. The tube support liner acts as an internal support for the end of the tube.

Sea Tech fittings are designed for low pressure fluids. For other applications please refer to our Customer Service Department. Tubing should be supported at a minimum of 36" to prevent excessive load to the connectors. Do not install tubing supports closer than 3 inches from the connector ends. We strongly recommend that new installations be thoroughly tested prior to use. Do not use with explosive gases, petroleum products or other fuels.

CAUTION!

The polysulfone material in this SEA TECH product can be compromised by exposure to volatile organic compounds (VOCs) and caustic chemicals. Therefore, DO NOT expose this product to any such chemical or foreign substance, which would include exposure to the following products:

Pipe dopes (liquid thread sealants), leak check compounds, bug sprays, lubricants, cleaners, paints, bleaches, acids, solder fluxes, plastic piping primers and cements, oxidizing agents, alkaline solutions, thinners, fuels, oil based caulk, hydrocarbons, spray foam or foaming agents (i.e. insulation).

Teflon tape is acceptable and can be used for threaded connections.

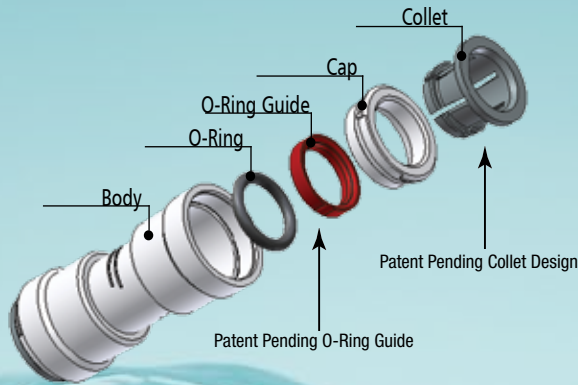
Failure to follow these instructions will void the warranty and possibly result in leaks and water damage.



IAPMO Certified Fittings

IAPMO ASSE 1061-2006
Sea Tech 35 and 45 Series fittings are tested, certified, and approved to IAPMO ASSE 1061-2006 performance standards.

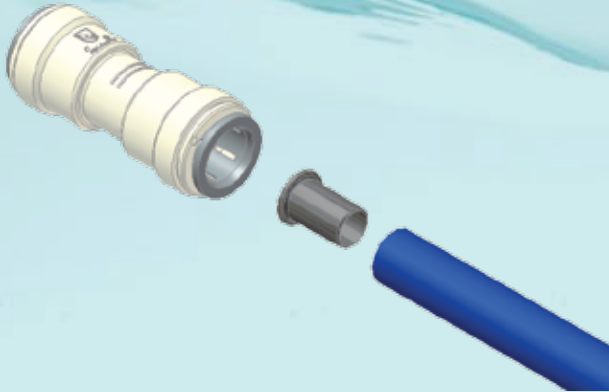
Technical Information



O-RING GUIDE IS THE KEY!

All Sea Tech connectors incorporate an exclusive O-Ring Guide for improved reliability. This unique feature insures zero-leak connections by:

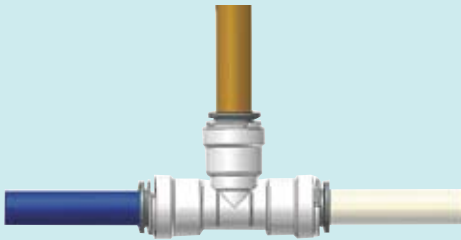
- Protecting the O-Ring from damage during connection
- Increasing the connector's side load capacity
- Correctly aligning the tubing with the O-Ring every time
- Prevents the O-Ring from becoming dislodged



IAPMO Certified Fittings

The Sea Tech 35 and 45 Series fittings are manufactured in compliance with IAPMO ASSE 1061-2006. With the IAPMO certification, these fittings are approved for domestic and commercial applications for both potable water distribution systems and hydronic heating systems. These fittings can also be utilized in underground applications and as manufactured joints without access panels. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code.

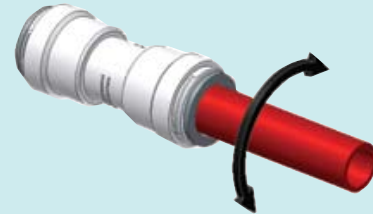
* If PEX tubing is used, then a tube support liner must be used also



Connect to Multiple Materials!

The Sea Tech fittings incorporate Stainless Steel Gripping Teeth in the Collets. These corrosion resistant teeth allow SeaTech connectors to interconnect with multiple materials without the need for special tools or tube inserts.

- Copper
- CPVC
- PEX, LDPE, MDPE, & HDPE Tubings
- Polybutylene



Rotates under pressure!

After a joint is made, the tubing can still swivel while connected - even under maximum pressure. The ability to rotate under pressure makes these connectors ideal for vibrating and dynamic applications.



Highest Flow!

Sea Tech connectors join the tubing on the outside. Because there is no barb fitting on the inside of the tubing the flow capacity is increased by more than 30%. Only Sea Tech connectors offer complete flow, allowing for a more efficient system.



Create mini-manifolds!

With Sea Tech fittings, small lengths of tubing can be eliminated by using our stackable connector configurations. Simply snap together Tees and/or Elbows to create a mini-manifold of fittings. Because Sea Tech connectors rotate, the direction of the tubing can be oriented by a simple twist, reducing the amount of tubing required to plumb a water system.