

Hydrotech[®]

Tubing & Fittings

(John Guest Quick Connect)

Polyethylene Tubing

The PP Range of inch-size push-in fittings is offered for tube sizes 1/4" O.D. to 1/2" O.D. The fittings are manufactured in white polypropylene with food grade EPDM O-rings. They have been developed to satisfy the compatibility needs for a wide range of applications.

Working Pressures and Temperatures

Water Max. 150 psi at 70°F (Max. 10 Bar at 20°C)

Max. 60 psi at 140°F (Max. 4 Bar at 60°C)

Min. 33°F/1°C



Polypropylene Shut-Off Valve

The PPSV Range of Shut-Off Valve is offered for tube sizes 1/4" O.D. and 3/8" O.D., produced in polypropylene and fitted with EPDM O-rings. Polypropylene has the advantage of being more chemically resistant than acetal. The valves are for use with potable water. For use with other potable liquids please contact our Technical Support Department for guidance. The valves are not to be used with compressed air, explosive gases, petroleum spirits and other fuels or for heating systems.

Working Pressures and Temperatures

Water Max. 150 psi at 70°F (Max. 10 bar at 20°C)

Max. 60 psi at 140°F (Max. 4 bar at 60°C)

Min. 33°F/1°C



Polypropylene Fittings

The John Guest PE Range of plastic tubing is produced in Linear Low Density Polyethylene for cold and intermittent hot water applications. Our tubing is made from FDA compliant materials and is NSF International Standard 51 & 61 certified. John Guest LLDPE Tubing provides excellent resistance to environmental stress cracking as measured by ASTM D-1693 (10% IGEPAL). John Guest Polyethylene tubing is designed for use with John Guest Super Speedfit push-in fittings, John Guest Shut-Off Valves and virtually all standard tubing connectors.

Part #	Model Description
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Male Connector - NPTF Thread



CI010821W	1/4" X 1/8" - WHITE, (10 Pack)
CI010822W	1/4" X 1/4" - WHITE, (10 Pack)
CI010823W	1/4" X 3/8" - WHITE, (10 Pack)
CI011222W	3/8" X 1/4" - WHITE, (10 Pack)
PI010821S	1/4" X 1/8", (10 Pack)
PI010822S	1/4" X 1/4", (10 Pack)
PI010823S	1/4" X 3/8", (10 Pack)
PI011221S	3/8" X 1/8", (10 Pack)
PI011222S	3/8" X 1/4", (10 Pack)
PI011223S	3/8" X 3/8", (10 Pack)
PI011224S	3/8" X 1/2", (10 Pack)
PI011623S	1/2" X 3/8", (10 Pack)
PI011624S	1/2" X 1/2", (10 Pack)
PI012026S	5/8" X 3/4", (10 Pack)
PP010822W	1/4" X 1/4" - WHITE, (10 Pack)
PP010823W	1/4" X 3/8" - WHITE, (10 Pack)
PP011222W	3/8" X 1/4" - WHITE, (10 Pack)
PP011223W	3/8" X 3/8", (10 Pack)
PP011224W	3/8" X 1/2", (10 Pack)
PP011623W	1/2" X 3/8", (10 Pack)
PP011624W	1/2" X 1/2", (10 Pack)

Male Connector - Flare Male Connector (tube X thread)



PI0108F4S	1/4" X 1/4", (10 Pack)
PI0112F4S	3/8" X 1/4", (10 Pack)
PI0112F6S	3/8" X 3/8", (10 Pack)
PI0112F8S	3/8" X 1/2", (10 Pack)
PI0116F8S	1/2" X 1/2", (10 Pack)

Union Tee (for use when branching of - RO faucets & tanks)



CI0208W	1/4" - WHITE, (10 Pack)
CI0212W	3/8" - WHITE, (10 Pack)
PI0208S	1/4", (10 Pack)
PI0212S	3/8", (10 Pack)
PI0216S	1/2", (10 Pack)
PP0208W	1/4", (10 Pack)
PP0212W	3/8", (10 Pack)

Reducing Tee (tube x tube x branch)



PI301208S	3/8" X 3/8" X 1/4", (10 Pack)
PI301612S	1/2" X 1/2" X 3/8", (10 Pack)
PP30121208W	3/8" X 3/8" X 1/4", (10 Pack)
PP301612W	1/2" X 1/2" X 3/8", (10 Pack)

Part #	Model Description
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Union Elbow (tube)



CI0308W	1/4" - WHITE, (10 Pack)
CI0312W	3/8" - WHITE, (10 Pack)
PI0308S	1/4", (10 Pack)
PI0312S	3/8", (10 Pack)
PI0316S	1/2", (10 Pack)
PP0308W	1/4", (10 Pack)
PP0312W	3/8", (10 Pack)
PP0316W	1/2", (10 Pack)

Fixed Elbow (NPTF Thread - tube X thread)



CI480821W	1/4" X 1/8" - WHITE, (10 Pack)
CI480822W	1/4" X 1/4" - WHITE, (10 Pack)
CI480823W	1/4" X 3/8" - WHITE, (10 Pack)
CI481222W	3/8" X 1/4" - WHITE, (10 Pack)
PI480821S	1/4" X 1/8", (10 Pack)
PI480822S	1/4" X 1/4", (10 Pack)

PI480823S	1/4" X 3/8", (10 Pack)
PI481222S	3/8" X 1/4", (10 Pack)
PI481223S	3/8" X 3/8", (10 Pack)
PI482024S	5/8" X 1/2", (10 Pack)
PP480821W	1/4" X 1/8", (10 Pack)
PP480822W	1/4" X 1/4", (10 Pack)
PP480823W	1/4" X 3/8", (10 Pack)
PP481222W	3/8" X 1/4", (10 Pack)
PP481223W	3/8" X 3/8", (10 Pack)

Reducing Elbow (tube X tube)













PI211208S	3/8" X 1/4", (10 Pack)
PI211612S	1/2" X 3/8", (10 Pack)
PP211208W	3/8" X 1/4", (10 Pack)
PP211612W	1/2" X 3/8", (10 Pack)

Plug In/Stem Elbow (stem X tube)



CI220808W	1/4" X 1/4" - WHITE, (10 Pack)
CI221208W	3/8" X 1/4" - WHITE, (10 Pack)
CI221212W	3/8" X 3/8" - WHITE, (10 Pack)
PI220808S	1/4" X 1/4", (10 Pack)
PI221208S	3/8" X 1/4", (10 Pack)
PI221212S	3/8" X 3/8", (10 Pack)
PI221616S	1/2" X 1/2", (10 Pack)
PP220808W	1/4" X 1/4", (10 Pack)
PP221208W	3/8" X 1/4", (10 Pack)
PP221212W	3/8" X 3/8", (10 Pack)
PP221616W	1/2" X 1/2", (10 Pack)

Part #	Model Description
Union Connector (tube X tube)	
	
CI0408W	1/4" - WHITE, (10 Pack)
CI0412W	3/8" - WHITE, (10 Pack)
PI0408S	1/4", (10 Pack)
PI0412S	3/8", (10 Pack)
PI0416S	1/2", (10 Pack)
PP0408W	1/4", (10 Pack)
PP0412W	3/8", (10 Pack)
PP0416W	1/2", (10 Pack)
Reducing Union (union X tube X tube)	
	
PI201208S	3/8" X 1/4", (10 Pack)
PI201612S	1/2" X 3/8", (10 Pack)
PP201208W	3/8" X 1/4", (10 Pack)
PP201612W	1/2" X 3/8", (10 Pack)
Stem Adaptor (NPTF Thread - stem X thread)	
	
CI050821W	1/4" X 1/8" - WHITE, (10 Pack)
CI050822W	1/4" X 1/4" - WHITE, (10 Pack)
CI051222W	3/8" X 1/4" - WHITE, (10 Pack)
CI051223W	3/8" X 3/8" - WHITE, (10 Pack)
PI050821S	1/4" X 1/8", (10 Pack)
PI050822S	1/4" X 1/4", (10 Pack)
PI051222S	3/8" X 1/4", (10 Pack)
PI051223S	3/8" X 3/8", (10 Pack)
PI051623S	1/2" X 3/8", (10 Pack)
PI051624S	1/2" X 1/2", (10 Pack)
PP050821W	1/4" X 1/8", (10 Pack)
PP050822W	1/4" X 1/4", (10 Pack)
PP051222W	3/8" X 1/4", (10 Pack)
PP051223W	3/8" X 3/8", (10 Pack)
PP051623W	1/2" X 3/8", (10 Pack)
PP051624W	1/2" X 1/2", (10 Pack)
Stem Reducer (stem X thread)	
	
CI061208W	3/8" X 1/4" - WHITE, (10 Pack)
PI061208S	3/8" X 1/4", (10 Pack)
PI061612S	1/2" X 3/8", (10 Pack)
PP061208W	3/8" X 1/4", (10 Pack)
PP061612W	1/2" X 3/8", (10 Pack)

Part #	Model Description
Bulkhead Union (tube X mounting hole diameter)	
	
CI1208W	1/4" - 0.67 - WHITE, (10 Pack)
PI1208S	1/4" - 0.67, (10 Pack)
PI1212S	3/8" - 0.83, (10 Pack)
PI1216S	1/2" - 1.06, (10 Pack)
PP1208W	1/4" - 0.67, (10 Pack)
PP1212W	3/8" - 0.83, (10 Pack)
PP1216W	1/2" - 1.06, (10 Pack)
Reducing Bulkhead Union (tube X tube X mounting hole diameter)	
	
PI121208S	3/8" X 1/4" - 0.83, (10 Pack)
PP121208W	3/8" X 1/4" - 0.83, (10 Pack)
Faucet Connector UNS Thread (tube X thread)	
	
CI3208U7S	1/4" X 7/16", (10 Pack)
CI3212U7S	3/8" X 7/16", (10 Pack)
PP3208U7W	1/4" X 7/16", (10 Pack)
PP3212U7W	3/8" X 7/16", (10 Pack)
Stem to Hose Barb (stem X hose barb)	
	
PI250808S	1/4" X 1/4", (10 Pack)
PI251208S	3/8" X 1/4", (10 Pack)
PI251212S	3/8" X 3/8", (10 Pack)
PI251216S	3/8" X 1/2", (10 Pack)
PP251212W	3/8" X 3/8", (10 Pack)
PP251216W	3/8" X 1/2", (10 Pack)
PP251612W	1/2" X 3/8", (10 Pack)
PP251616W	1/2" X 1/2", (10 Pack)
Stem to Hose Barb Long Version (stem X hose barb)	
	
PI251212SL	3/8" X 3/8", (10 Pack)
PI290808S	1/4" X 1/4", (10 Pack)
PI291208S	3/8" X 1/4", (10 Pack)
Female Connector NPTF Thread (tube X thread)	
	
PI450822S	1/4" X 1/4", (10 Pack)
PI451222S	3/8" X 1/4", (10 Pack)
PP450822W	1/4" X 1/4", (10 Pack)
PP451222W	3/8" X 1/4", (10 Pack)

Part #	Model Description
Female Flare Connector FFL (tube X thread)	
	
PI4512F4S	3/8" X 1/4", (10 Pack)
PI4512F6S	3/8" X 3/8", (10 Pack)
Plug (stem)	
PI0808S	1/4", (10 Pack)
PI0812S	3/8", (10 Pack)
PI0816S	1/2", (10 Pack)
PP0808W	1/4", (10 Pack)
PP0812W	3/8", (10 Pack)
PP0816W	1/2", (10 Pack)
End Stop (tube)	
	
PI4608S	1/4", (10 Pack)
PI4612S	3/8", (10 Pack)
PEI202820	3/4 x 1/2 Reducing Coupler,
PEX Plug-in Elbow	
	
PEI222020	PEX Plug-In Elbow, 1/2" Stem - 1/2" Pipe,
PEI222828	PEX Plug-In Elbow, 3/4" Stem - 3/4" Pipe,
PEX Reducing Tee	
	
PEI3028A	PEX Reducing Tee 3/4" x 3/4" x 1/2" CTS,
PEI3028B	PEX Reducing Tee 3/4" x 1/2" x 1/2" CTS,
PEI3028C	PEX Reducing Tee 1/2" x 1/2" x 3/4" CTS,
PEI3028D	PEX Reducing Tee 3/4" x 1/2" x 3/4" CTS,
PEX Stackable Tee	
	
PEI532020	PEX Stackable Tee 1/2" CTS x 1/2" Stem x 1/2" CTS
PEI532820	PEX Stackable Tee 3/4" CTS x 3/4" Stem x 1/2" CTS
PEI532828	PEX Stackable Tee 3/4" CTS x 3/4" Stem x 3/4" CTS
PEX Miscellaneous	
	
PEIBTC2034	PEX Female Swivel Elbow, 1/2" CTS x 1/2" NPS
PEIBTC20C75	PEX Female Ballcock Elbow, 1/2" CTS x 7/8"-15/16 UNS
PEISTC2034	PEX Female Swivel Connector, 1/2" CTS x 1/2" NPS
PEISTC20C75	PEX Female Ballcock Connector, 1/2" CTS x 7/8"-15/16 UNS

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