



MULTI FITTINGS
HIGHER STANDARDS™



Committed to
HIGHER STANDARDS

www.multifittings.com



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MULTI FITTINGS
HIGHER STANDARDS™



FITTINGS YOU CAN **TRUST**

Our well-being is dependent on the health of our municipal infrastructure. The public relies on pristine sources of potable water and the effective removal of sewage. Leaks that waste precious water or contaminate ground water must be avoided.

For over 65 years, Multi Fittings has been an industry leader in offering the most comprehensively engineered and tested fittings for plastic pipe in North America.

Multi Fittings produces the widest range of injection molded fittings for pressurized water mains and sewer forcemains, gravity flow sewers and drain, waste and vent applications.

Multi Fittings unique Trench Tough Plus™ design has been developed using the latest in finite-element modeling. This rigorous engineering analysis has allowed us to strengthen the fitting at strategic points, while maintaining the flexibility that is crucial to long-term performance.

HIGHER STANDARDS™

Multi Fittings products are designed to exceed all the applicable industry standards. They withstand higher impact forces, higher loads and more jobsite abuse than any other fittings on the market. For example, the impact strength of Trench Tough Plus fittings exceeds ASTM requirements by over 25%.

We understand that pressure and sewer fittings are not installed in a lab and must be designed to take the punishment of real jobsites. Only by manufacturing to Higher Standards can we make fittings that will stand the test of time.

SPECIAL COMPOUND

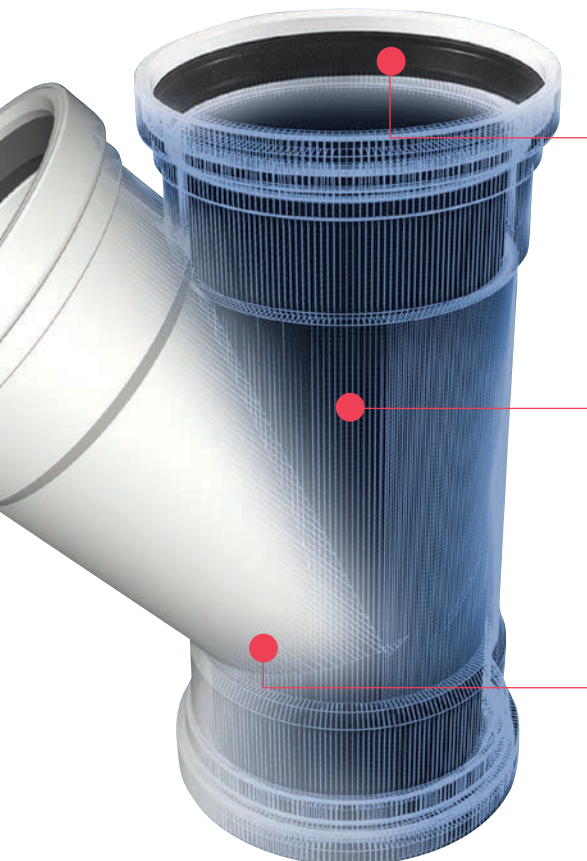
Multi Fittings products are all made with a specially engineered PVC compound, which is immune to attack from the most aggressive effluents and soils.





PVC SEWER FITTINGS

TRENCH TOUGH PLUS™ ADVANTAGES



Locked-in Gasket Design

Makes assembling the joints easy, requiring less effort in the trench, while ensuring leak-proof reliability in the ground.

Advanced Material Formulation

Our high strength yet flexible fittings will accommodate the extreme loads that cause more rigid PVC fittings to fail.

Structural Reinforcements

Reinforced at key intersecting locations for added strength without losing flexibility.



Structural Durability



Impact Strength



Structural Reinforcement



Injection
Molded
4" - 18"

Fabricated
12" - 60"

TRENCH TOUGH PLUS™

GASKETED SDR35 SEWER FITTINGS

- Ideal for use in wastewater, stormwater and industrial waste applications.
- Reinforced to SDR26 thickness at key locations such as the branches of tees and wyes for optimal long-term performance.
- Joint withstands 15 psi hydrostatic pressure and a -10.8 psi vacuum pressure.
- Leak-proof at 5° joint deflection and 5% ring deflection.

TRENCH TOUGH PLUS™

LARGE DIAMETER MOLDED SDR35 SEWER FITTINGS

- Multi is the first manufacturer to offer up to 18" molded fittings.
- Designed to exceed all applicable standards and are built to withstand higher impact forces, higher loads and jobsite conditions.
- Reinforced at key intersecting locations for added strength without losing flexibility.

Injection
Molded
12" - 18"



TRENCH TOUGH PLUS™

HEAVY WALL SDR26 GASKETED SEWER FITTINGS

- Compatible with SDR26 and SDR35 sewer pipe and are used in areas where the installation conditions are more challenging, such as deep burial applications or projects in poor soils.
- Service fittings are manufactured with an "extra heavy wall" SDR24 thickness.
- Easily identifiable with its gray gaskets.



Injection
Molded
4" - 12"

Fabricated
12" - 24"





SEWER BRUTE™

C900 & C905 CIOD SEWER FITTINGS

Multi Fittings offers a complete range of PVC Sewer Fittings for CIOD pipe.

- Injection-molded fittings made to DR18 thickness.
- Sewer wyes feature the same tight gaskets as our AWWA C900 pressure fittings. Available in both CIOD and D3034.
- Sewer sized branches.
- The only molded CIOD to sewer size coupling available on the market.



Ultra-Rib®

OPEN PROFILE SEWER FITTINGS

- Features a breakaway rib that will prevent damage to the wall of the fitting if the rib breaks off.
- Joints can withstand 50 psi hydrostatic pressure.
- Ideal for use in wastewater, stormwater and industrial waste applications.



Injection
Molded
3" - 8"

Fabricated
8" - 15"

SOLVENT WELD

SDR35 SEWER FITTINGS

- Same high quality design as the gasketed fittings.
- Solvent welded joints are able to resist large tensile loads and will not pull apart.



DWV

DRAIN, WASTE & VENT SCHEDULE 40 PVC FITTINGS

- PVC DWV fittings are used primarily underground for drainage and effluent piping systems.
- Compact size allows for easy installation.
- Available in solvent weld or gasket joints.

Injection
Molded
4" - 12"

Fabricated
10" - 24"



BACKWATER VALVES


PVC & ABS

- Prevents sewer backups from damaging buildings.
- Smooth walls and rounded corners prevent solids from accumulating and interfering with valve operation.
- Corrosion resistant.
- Easy to install – hubs are sized to fit Schedule 40 DWV Pipe.
- SDR35 hubs available.
- Can be purchased with or without a chimney.

Injection
Molded
3" - 6"





Metal fittings are the “Achilles Heel” of PVC piping systems. Now you can go 100% PVC and eliminate the threat of corrosion that is so common with cast iron fittings. Multi Fittings offers both cast iron outside diameter (CIOD) and iron pipe size (IPSOD) fittings for use in pressure systems. Multi Fittings Blue Brute and CycleTough fittings have been specially designed to handle the most extreme conditions possible in a water or wastewater system. 

PVC **PRESSURE** FITTINGS



OUR **ADVANTAGES**

Engineered for Strength

Our pressure fittings are produced using a PVC compound with a hydrostatic design base (HDB) of 4,000 psi. This allows fittings to withstand significantly higher and more frequent pressure surges and offers the same long-term hydrostatic strength as the pipe it is connected to.

Corrosion Resistance

Non-corroding PVC used in Multi's pressure fittings will neither rust nor deteriorate in aggressive soils.

Improved Water Flow

The smooth interior of the fittings prevents encrustants such as calcium from adhering to its surface.

Easy to Handle

Light weight and easy to handle versus mechanical joint alternatives.

BLUE BRUTE®

AWWA C907 CIOD PRESSURE FITTINGS

- Blue Brute (CIOD) fittings extend the corrosion-proof benefits of PVC pipe to fittings and allow the entire piping system to be constructed of non-corroding materials.
- Engineered for the distribution of municipal potable water, fire lines, sewer forcemains, industrial process lines and irrigation piping.
- Pressure Class of 235 psi as per AWWA C907.
- Removable gaskets allow easy substitution of nitrile gaskets in contamination soils.
- 4000 psi HDB PVC compound for optimum long-term strength.












CYCLETOUGH®

IPSOD PRESSURE FITTINGS

- Specially engineered to withstand the cyclic surges typical of many irrigation applications.
- Designed for IPSOD pipe and having a pressure rating of 200 psi.
- Used for irrigation, potable water supply lines, industrial process lines, stormwater disposal, water transmission, sewage forcemains and golf course applications.
- Compatible with standard thrust restraints.
- Fittings feature square bell ends which provide additional contact surface area for mallets or hammers to ease installation and adjustments
- Repair Couplings offer industry-leading lengths to better accommodate installations with large gaps or uneven cuts

SPECIFICATION CHART

SEWER FITTINGS	OPTIONS	SIZE RANGE	REFERENCED STANDARDS
 Trench Tough Plus Gasketed Fittings	SDR35	INJECTION MOLDED: up to 18" FABRICATED: up to 60"	ASTM D3034, F679, F1970 CSA B182.2, B182.1 IAPMO File 2431
 Trench Tough Plus Gasketed Heavy Wall	SDR26	INJECTION MOLDED: up to 12" FABRICATED: up to 24"	ASTM D3034, F679, F1970
 CIOD Sewer Fittings	DR51 DR25 DR41 DR18 DR32.5 DR14	INJECTION MOLDED: 4" – 8" (DR18) FABRICATED: 10" – 48"	AWWA C900 (dimensions) AWWA C907 (dimensions)
 Solvent Weld	SDR35	INJECTION MOLDED: 3" – 8" FABRICATED: 8" – 15"	ASTM D3034 NSF 14 (6" & 8") CSA B182.1, B182.2
 Ultra-Rib	Open Profile	8" – 24"	AASHTO M304 ASTM F794, ASTM D3034 (4" & 6" branches) CSA B182.4
 DWV Schedule 40 PVC	PVC	INJECTION MOLDED: 6" – 12" FABRICATED: 10" – 24"	ASTM D2665 CSA B181.2 (molded) IAPMO, NSF
 Backwater Valves	ABS PVC	3" – 6"	CSA B181.1, B181.2, B182.1 IAPMO, NSF, SBC

PRESSURE FITTINGS	OPTIONS	SIZE RANGE	REFERENCED STANDARDS
 Blue Brute C900/C905/C907 CIOD	DR 18 DR14 DR32.5 DR18 DR41 DR25 DR51	INJECTION MOLDED: 4" – 12" FABRICATED: 10" – 60"	AWWA C907 CSA B137.2 FM, UL AWWA C900
 Cycle Tough – IPSOD Series 200	DR 21	INJECTION MOLDED: 1-1/2" – 8" FABRICATED: 10" – 24"	ASTM D2241 CSA B137.2 (molded)

MULTI FITTINGS LITERATURE

Our comprehensive documentation will provide useful information for you from product information to product installation.



Multi Fittings
Overview



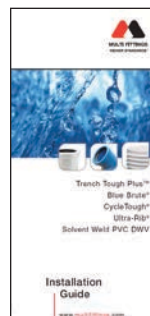
Multi Fittings
Product Line Information



Multi Fittings
Product Information Bulletins



Multi Fittings
Technical Manual



Multi Fittings
Installation Guide

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WARRANTY: All of the company's Products are guaranteed against defects resulting from faulty workmanship or materials. The Company will replace, free of charge, including shipping charges for the replacement Products, any Products which are found to be defective in workmanship or material, provided that the following conditions are met:

- a) the Company is promptly notified in writing of such defect immediately upon discovery of same, and the defective Product is promptly returned to the Company;
- b) the defect is not due, without limitation, to faulty installation, misalignment of Products, vibration, ordinary wear and tear, corrosion, erosion, U.V. degradation, incompatible lubricants, pastes and thread sealants, unusual pressure surges or pulsation, water hammer, temperature shocking, or fouling; and
- c) the Products have not been altered or modified after leaving the Company's premises.
The warranty period can be specifically limited for certain Products as stated in writing in the Company's literature.
The Company will not allow claims for labor, materials and/or other expenses required to replace the defective Product, or to repair any damage resulting from the use thereof. The Company disclaims any responsibility for the Purchaser's calculations, product drawings or engineering design specifications. The Company's liability is limited to the purchase price applicable to the product.

It is agreed and understood that the Company's liability in respect to the sale is strictly limited to the replacement of Products as hereinbefore specified and that the Company shall not, in any event, be liable for any damages whether for the loss of use or business interruption or any other claim for incidental, consequential, special or punitive damages. There is no warranty, condition or representation of any nature whatsoever, expressed or implied, by statute or otherwise, except as herein contained, and the Company disclaims any implied warranties of merchantability and/or fitness of its Products for a special purpose.

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IPEX maintains a policy of ongoing product improvement. This may result in modifications of features and/or specifications without notice.



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