



MULTI FITTINGS
HIGHER STANDARDS™



Discovery of 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 50 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 is the only manufacturer offering the unique “Trench Tough Plus” system. While other manufacturers have been indiscriminately adding material to their fittings in order to “strengthen” them, Multi Fittings embarked on a rigorous engineering analysis using cutting edge finite element analysis of every fitting in its offering.

HIGHER STANDARDS™

Multi Fittings products are designed to exceed all the applicable standards. They are designed to withstand higher impact forces, higher loads and more jobsite abuse than any other fittings on the market. For example, the impact strength of fittings made under the Trench Tough Plus concept exceeds the requirement of ASTM F1336 by at least 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.


GASKETED JOINTS

All of our fittings are made of noncorroding PVC, a material virtually immune to attack from aggressive soils.

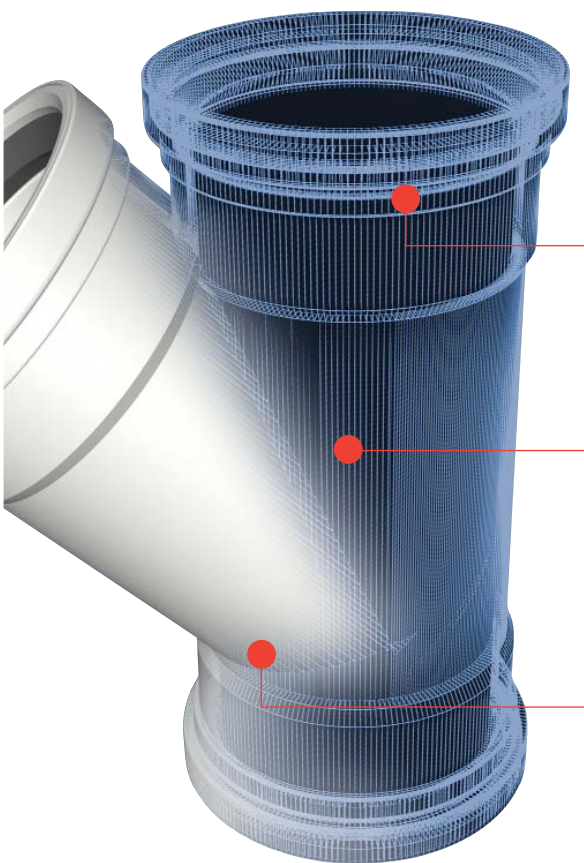
Our bottle tight gasketed joints, developed by Multi's engineering group, keep potable water clean and sewage where it belongs – in the pipe system.





The ultimate purpose of a sewer is to convey wastewater to a sewage treatment plant without any leaking out or allowing any groundwater to leak in. This can only be achieved by using pipes and fittings with tight joints and a high resistance to cracking. This is why PVC is the material of choice for sewer applications – it is dependable, does not corrode and can be manufactured to extremely tight tolerances. 

MUNICIPAL PVC SEWER AND DWV FITTINGS



OUR ADVANTAGES

Superior Fitting Design

A carefully designed shape that properly distributes loads to the surrounding bedding.

Advanced Material Formulation

Leading crush-resistance, yet our fittings can flex to accommodate the extreme loads that cause rigid fittings to fail.

Structural Reinforcements

Reinforced build at key intersecting locations where it's needed, for added strength without losing flexibility.



Structural Strength



Impact Strength



Joint Strength



Injection
Molded
4" - 15"

Fabricated
12" - 48"



Trench Tough Plus™

LARGE DIAMETER MOLDED SDR35 SEWER FITTINGS

- Multi is the only manufacturer to offer 12" and 15" molded fittings.
- Designed to exceed all applicable standards and are built to withstand higher impact forces, higher loads and jobsite conditions.
- Reinforced build at key interesting locations where needed for added strength without losing flexibility.



Injection
Molded
4" - 15"

Fabricated
12" - 48"



Trench Tough Plus™

GASKETED SDR35 SEWER FITTINGS

- Applications include wastewater and stormwater applications, as well as the conveyance of industrial wastes.
- Reinforced to SDR26 thickness at strategic 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.
- 5% joint and ring deflection.

Injection
Molded
12" - 15"



Trench Tough Plus™

HEAVY WALL SDR26 GASKETED SEWER FITTINGS

- Compatible with SDR26 and SDR35 sewer pipe and are designed for areas where the installation conditions are more challenging, such as deep burial applications or projects in poor soils.
- Applications include the conveyance of sanitary or storm sewage, as well as industrial effluents.
- Manufactured with an "extra heavy wall" SDR24 thickness, providing increased insurance against problems in tough conditions.
- Easily identifiable with its gray gaskets.



C900 CIOD SEWER FITTINGS

Multi Fittings offers a complete range of CIOD fittings for sewer applications for SDR25, 18 or 14 thickness. Some of these fittings are made for both pressure and sewer applications, and are certified as such while others (such as wyes) are made specifically for sewer applications.



8" x 8" x 4"

8" x 8" x 6"



- Injection Molded
4" - 8"
- Fabricated
4" - 24"



SDR18 CIOD C900 SEWER WYES

- Designed for non-pressure sewer applications, they feature the same tight gaskets as our AWWA C900 pressure fittings and can be equipped with oil resistant nitrile gaskets for use in soils that are contaminated with hydrocarbons.
- Features a specially engineered design, adding bulk specifically to the potential high stress areas on the fitting.
- Available with both CIOD and sewer sized branches.

CIOD SEWER ADAPTER

- First molded CIOD to sewer size coupling and represents a significant increase in quality from the fabricated versions currently on the market.
- Designed to connect from a CIOD C900 pipe to sewer pipe.
- Long-term reliability.

- Small
6" x 6"
- Large
8" x 8"





Injection
Molded
8" - 12"

Fabricated
12" - 24"



Ultra-Rib®

OPEN PROFILE SEWER FITTINGS

- Features a thicker water way wall compared to other profile pipe fittings and a unique breakaway rib that will prevent damage to the wall of the fitting.
- Joints can withstand 50 psi hydrostatic pressure.
- Applications include sanitary and storm sewers as well as industrial lines.

SOLVENT WELD DWV SEWER FITTINGS

- Solvent welded DWV fittings for SDR35 are typically installed sanitary and drainage systems.
- Solvent welded joints are able to resist large tensile loads and will not pull apart.



6" - 8"



Injection
Molded
3" - 8"

Fabricated
8" x 15"



DRAIN, WASTE & VENT SCHEDULE 40 PVC FITTINGS

- For above-ground applications, PVC DWV fittings are typically used for drainage and effluent piping and rainwater leaders for buildings such as parking garages, or from roof tops in industrial and commercial applications.
- Lower installation costs.
- Superior chemical resistance.
- Lower thermal conductivity.


PVC & ABS BACKWATER VALVES

- Smooth walls and rounded corners prevent solids from accumulating and interfering with valve operation.
- Lightweight.
- Corrosion resistant.
- Easy to install – hubs are sized to fit Schedule 40 DWV Pipe.
- Access sleeves and plugs are available to facilitate installation under concrete floor slabs.

3" - 6"





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. 

MUNICIPAL PVC PRESSURE FITTINGS

OUR ADVANTAGES

Engineered for Strength

Our pressure fittings are produced using a resin compound with its hydrostatic design base (HDB) of 4,000 psi. This allows fittings to withstand significantly higher pressure surges and offers the same long-term hydrostatic strength.

Corrosion Resistance

Noncorroding PVC used in Multi's pressure fittings will neither rust nor corrode in aggressive soils.

Improved Water Quality

The smooth interior surfaces of Multi's pressure fittings prevent deposits such as calcium from adhering to its surface.

Saving Time and Money

Easy to install and cost effective versus mechanical joint alternatives.



BLUE BRUTE™
AWWA C907 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 potable water in municipal systems, fire lines, sewer forcemains, industrial process lines and irrigation piping.
- Designed to match the pressure rating of the pipe and are third party certified.

CYCLE TOUGH®
IPSOD PRESSURE FITTINGS







- Molded with a PVC resin with a minimum HDB of 4,000 psi, resisting cracking due to environmental factors, long-term stress and cyclic stress.
- Designed for IPS pipe and are engineered to meet long-term pressures of 200 psi.
- Uses for irrigation, potable water supply lines, industrial process lines, stormwater disposal, water transmission, sewage force mains and golf course applications.





CHLORINE CONTACT CHAMBERS

- Manufactured of the same corrosion proof PVC compound as Blue Brute fittings.
- Lightweight and long-lasting with a minimum 100 year design life.
- Special fittings, including 180° bends and long branch 90° bends eliminates the need for metal fittings.

EASY SPECIFICATION CHART

SEWER FITTINGS		OPTIONS	SIZE RANGE	STANDARDS	APPLICATIONS
	Trench Tough Plus Molded Sewer Fittings (Reinforced to SDR 26 thickness)	SDR35	Injection Molded: up to 15" Fabricated: up to 27"	ASTM D3034, F679, F170 CSA B182.2 CSA B181.2 IAPMO File 2431	Waste water and sewage applications
	Trench Tough Gasketed Heavy Wall	SDR26	Injection Molded: up to 8" Fabricated: up to 18"	ASTM D3034, F679, F170 CSA B182.2 CSA B181.2	Deep burial applications Sanitary sewer Storm sewer Industrial effluents
	C900 Sewer	SDR18 SDR25 SDR14	Injection Molded: 4" - 8" Fabricated: 10" - 48"	AWWA C900 AWWA C907	Sanitary Sewer Storm Sewer
	Solvent Weld	SDR35		ASTM D2665 (6" & 8") NSF 14 (6" & 8") CSA B181.2 (6" & 8")	Sanitary systems Drainage systems
	Ultra-Rib	Open Profile	8" - 24"	ASTM F794 AASHTO M304 CSA B182.4 ASTM D3034	Gravity sanitary sewer Gravity storm sewer
	Backwater Valves	ABS PVC	3" - 6"	CSA, IAPMO, NSF, SBC	Plumbing, Drain waster Sewer backflow prevention

PRESSURE FITTINGS		OPTIONS	SIZE RANGE	STANDARDS	APPLICATIONS
	Blue Brute C907 CIOD Sewer Fittings	SDR 18	Injection Molded: 4" - 8" Fabricated: 10" - 48"	AWWA C900 & C905 (Fabricated Fittings) AWWA C907 (Molded Fittings up to 12") CSA B137.2 (Molded Fittings) CSA B 137.3 (Fabricated Fittings) Factory Mutual (4" - 12") Underwriter's Laboratories	Municipal watermains Sewer force mains Irrigation piping
	Cycle Tough Pressure Fittings for Series 200 IPS Pipe	SDR 21		ASTM D1784, D3139, D1599, D2241, F477 CSA B137.3 NSF-61	Potable water systems Sewer force mains

Crush Test

Joint Deflection Test

Impact Test

Joint Pressure Test

Heat Test

Joint Vacuum Test

**Witness
the Trench Tough Plus™
Survival Tests**

fax to Us

For more information about our products and how products offering, complete this card and fax to back us up at 1-800-361-2158

Name _____ Title _____

Company _____ Address _____

City _____ State _____ Postal Code _____

Phone _____ Fax _____ E-mail _____

I am primarily interested in the following (check all that apply):

- Arched Design PVC
- Borehole PVC
- Corrosion PVC
- Engineering PVC
- Geomembrane
- Other _____
- Trench Tough Plus™ PVC
- Solvent Weld PVC
- Blue Star PVC
- Cycle Tough™ PVC
- Ultra-Flex™
- Barbed PVC

find out more

COMPLETE and FAX the attached form for more information:

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



Trench Tough Plus
Multimedia CD



Multi Fittings
Product Info. Bulletin



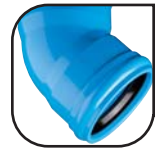
Multi Fittings
Technical Manual



Multi Fittings
Installation Guide

Multi Fittings Corp.
1055 Wilton Grove Road
London, Ontario N6A 4K3

Telephone: 519 681-2140
Toll Free: 800 265-1815
Fax: 519 681-2156



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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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