

Mueller® Pipe Repair Products



A complete selection for all types of gas lines...
all from a single source.

Mueller Co.

GAS PRODUCTS DIVISION

MUELLER® STAINLESS STEEL REPAIR CLAMPS

Mueller offers a full line of stainless steel repair clamps for all types of pipe repair problems:

- Repair holes, leaks, splits, circumferential breaks and cracks until a permanent repair can be made.
- Mark squeeze-off locations while restoring pipe roundness and sealing any possible breaks.
- Install above or below ground on all types of pipe, with styles especially suited for use in “hot” soils or corrosive atmospheres.

500/510 Series

Clamps offer long life in most soils and atmospheres. Available in single-section Full-Seal® style (500 Series), two-section Xtra-Range® style (510 Series) and Servi-Seal® style with welded-in threaded outlets. Each clamp size can accommodate a wide range of O.D. variations.

- Designed for optimum length, allowing effective sealing to within 1” of either clamp edge.
- Bands are made of type 304L stainless steel.
- Lug design of lightweight, strong ductile iron is coated with rust inhibitor. Lugs are self-aligning to provide uniform pressure along the full clamp length.
- Corrosion-resistant alloy steel nuts and bolts have service life expectancies compatible with the rest of your system. Stainless steel nuts and bolts are optional.
- Bolts have deep, non-galling, spin-fit threads. Large shoulders prevent turning in lug, and heavy hex nuts provide more thread contact for strength.
- Extra long “starter” bolt and nut on each lug eases installation.
- Stainless steel gap bridges, recessed in and cemented to the gasket where band sections join, add support to provide 360° clamping pressure.
- Specially compounded rubber gasket has a gridded pattern for positive sealing. Tapered ends make installation quick and easy.
- Optional bonding device is available to maintain electrical continuity across clamp band.
- Optional add-on feature allows clamps to be joined over a longer than normal pipe length.
- Maximum gas working pressure for properly installed clamps at 150° F maximum working temperature: 2"-8" 100 psig, 10"-12" cast iron or ductile iron pipes 60 psig, 10"-12" steel pipes 100 psig.



520/530 Series

Lightweight, low-profile, *all stainless steel* clamps resist corrosive atmospheres and hot soils. Available in single-section Full-Seal® style (520 Series), two-section Xtra-Range® style (530 Series) and Servi-Seal® style with welded-in threaded outlets. Each clamp size can accommodate a wide range of O.D. variations.

- Bolting mechanism is pre-assembled. Unique weight-saving Mueller® design features lug and bolt bars which rotate as the clamp is tightened. This prevents bolt bending or binding, keeps tightening force close to the pipe surface and allows more efficient transfer of tightening force on the bolts to clamping force on the pipe.
- Extra-low profile eases installation in tight locations.
- Bands are made of type 304L stainless steel and are machine-welded, then passivated in welded area to restore full corrosion resistance.
- High strength stainless steel bolts have spin-fit threads treated with an anti-galling agent. Special tee-heads drop into bolt bar slots easily, yet do not turn during tightening.
- Stainless steel gap bridges, recessed in and cemented to the gasket where band sections join, add support to provide 360° clamping pressure.
- Specially compounded rubber gasket has a gridded pattern for positive sealing. Tapered ends make installation quick and easy.
- Optional bonding device is available to maintain electrical continuity across clamp band.
- Optional add-on feature allows clamps to be joined over a longer than normal pipe length.
- Maximum gas working pressure for properly installed clamps at 150° F maximum working temperature: 2"-8" 100 psig, 10"-12" cast iron or ductile iron pipes 60 psig, 10"-12" steel pipes 100 psig.



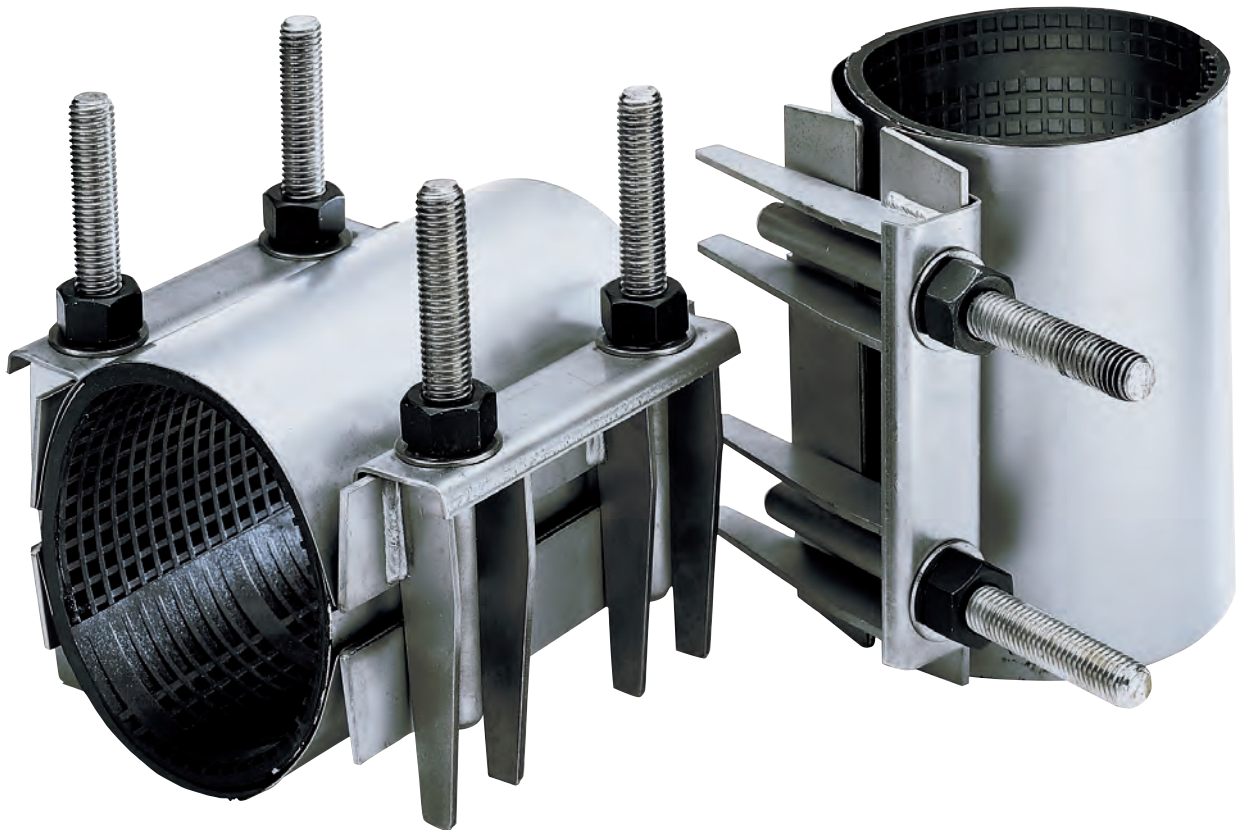
NOTE: Mueller Pipe Repair Clamps have demonstrated the ability to seal against gas pressures commonly encountered in distribution systems. Smaller diameter clamps of a given design can seal against higher pressures than larger ones. In addition, the pressure that a clamp can contain is affected by the torque applied to the bolts, the uniformity of bolt tightening (when there is more than one bolt), as well as the type and extent of pipe damage, surface condition of the pipe and installation workmanship.

MUELLER® STAINLESS STEEL REPAIR CLAMPS

540/550 Series

Lightweight, finger-lug design, *all stainless steel* clamps resist corrosive atmospheres and hot soils. Available in single-section Full-Seal® style (540 Series), two-section Xtra-Range® style (550 Series) and Servi-Seal® style with welded-in threaded outlets. Each clamp size can accommodate a wide range of O.D. variations.

- Bands are made of type 304L stainless steel and are machine-welded, then passivated in welded area to restore full corrosion resistance.
- High strength stainless steel bolts have spin-fit threads treated with an anti-galling agent.
- Stainless steel gap bridges, recessed in and cemented to the gasket where band sections join, add support to provide 360° clamping pressure.
- Specially compounded rubber gasket has a gridded pattern for positive sealing. Tapered ends make installation quick and easy.
- Optional bonding device is available to maintain electrical continuity across clamp band.
- Optional add-on feature allows clamps to be joined over a longer than normal pipe length.
- Maximum gas working pressure for properly installed clamps at 150° F maximum working temperature: 2"-8" 100 psig, 10"-12" cast iron or ductile iron pipes 60 psig, 10"-12" steel pipes 100 psig.



230 Series Mini-Band™ Clamps

For uniform 360° sealing on small diameter rigid pipe.

- Gasket fully encircles the pipe to provide a uniform circumferential seal.
- Integral stainless steel gap bridges are recessed and bonded to the gasket.
- Drop-in style ductile iron lugs assist in ensuring uniform clamping force.
- Zinc-plated bolt has rolled spin-fit threads to speed installation. Stainless steel nuts and bolts are optional.
- Compact design allows installation in tight conditions.
- Sizes for 1/2" through 2" steel or polyethylene pipe in 3" and 6" lengths.
- Maximum gas working pressure for properly installed clamps: 150 psig on steel, 60 psig on polyethylene.



200 Series Pipe-Saver® Clamps

For fast, efficient, low cost repair of holes and splits in steel pipe.

- Steel bolt has rolled spin-fit threads to speed installation. Stainless steel nuts and bolts are optional.
- Ductile iron lugs are shaped to provide uniform clamping pressure on pipe.
- Gaskets available with smooth or gridded surface. Separate cone gasket is available to close holes or deep pits.
- Sizes for 1/2" through 8" standard steel pipe in single section; 10" through 24" standard steel pipe in two sections.
- Maximum gas working pressure for properly installed clamps: 1/2"-4" 175 psig.



NOTE: Mueller® Pipe Repair Clamps have demonstrated the ability to seal against gas pressures commonly encountered in distribution systems. Smaller diameter clamps of a given design can seal against higher pressures than larger ones. In addition, the pressure that a clamp can contain is affected by the torque applied to the bolts, the uniformity of bolt tightening (when there is more than one bolt), as well as the type and extent of pipe damage, surface condition of the pipe and installation workmanship.

MUELLER® DUCTILE IRON SERVICE SADDLES

Mueller service saddles are used for making convenient, dependable service connections on steel, cast iron and ductile iron pipe. All have a nitrile O-ring contained in a dimensionally controlled groove to eliminate creep and possible seal blowout. All styles are manufactured and tested in accordance with all applicable parts of DOT/CFR Title 49, Part 192.

Offered in ductile iron, these saddles are designed to make close contact with the pipe for the greatest stability. Strap configuration and saddle body shape allow nearly 360° pipe contact for a strong grip that resists movement. Large wrench flats on the saddle's octagon-shaped boss support tightening loads during tee installation.

- Nylon 11 fluidized bed applied, 10-12 mil thick coating is standard. It offers superior corrosion resistance, is non-conductive, and has the unique capability to flex with the saddle as it is tightened to conform to the pipe OD.
- Low alloy, rolled steel straps are standard. Optional 304L stainless steel straps are available. Strap threads are rolled, rather than machine cut, for added strength and quick installation by allowing nuts to spin easily.
- Washers are provided under each strap nut to protect the epoxy coating. Stainless steel washers and fluorocarbon-coated nuts are used with optional stainless steel strap.
- Available for pipe sizes from 2" through 16" and maximum gas working pressures, when properly installed, to 125 psig for single strap saddles and 250 psig for double strap.



Mueller service saddles are compatible with Mueller drilling machines to install service tees. The appropriate drilling machine with equipment for the size of connection and type of pipe makes it easy to drill the main through any valve or fitting to which they can be attached. Threads in the saddles are specially designed to slightly deform the threads on the valve or fitting as it is tightened, providing a leaktight seal.

MUELLER® JOINT REPAIR CLAMPS

Mueller bell-joint and slip-joint repair clamps provide a proven, fast and economical solution to leaking joints in cast iron pipe lines and distribution mains.

H-770/H-772 Bell-joint Clamps H-771 Slip-joint Clamps

Mueller H-770 and H-772 bell-joint repair clamps are designed to repair leaded joint connections. The H-770 is used for all cast iron pipe classes except C and D, while the H-772 is used only for classes C and D. The H-771 slip-joint repair clamps are designed to repair gasketed connections for all cast iron pipe classes.

- Easily installed using a ratchet wrench.
- All ductile iron components, including bolts and nuts, assure electrolytic compatibility with cast iron pipe.
- Mueller NEOPRESS® rubber gasket is specially compounded to provide long life and positive sealing.
- Clamp design provides uniform 360° compression of gasket when properly tightened.
- Adjustable clamp segments permit a uniformly snug fit around the pipe and the bell, even on out-of-round pipe.
- “T” head bolts and nuts are exceptionally resistant to corrosion.
- H-770/H-772 sizes from 2"-36"; H-771 sizes from 4"-36".





GAS PRODUCTS DIVISION

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All products must be installed and maintained in accordance with applicable instructions and/or standards.