

Ductile Iron Self-Restrained Fittings For IPS Plastic Pipe



Bend
90, 45, 22, and 11 degrees



Reducing 90 Bend (Bell x Bell)
Tapped 90 Bend (Bell x FPT)
Reducer (Bell x Bell)



Cap and Tapped Cap
Tapped caps with FPT side outlet
Tapped caps with female ACME side outlet

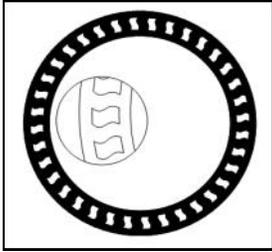


Bell x MPT (Male Thread Adapter)
2", 2.5", 3" in various bell x thread combinations



Flange x Bell Adapter
Flange x Spigot Adapter

Leemco has a large variety of Restrained Fittings and Accessories...
Please refer to our IPS Price List for available Models and Sizes.



Superior Gasket Design...

All Leemco gaskets are made of high quality EPDM rubber and have the unique ribbed "U-Cup" gasket design. Results are that the gasket takes care of sealing and assisting to restrain pipe from coming off the fitting under any pressure. The unique gasket design makes inserting pipe into a Leemco fitting effortless.

Eliminate Concrete Thrust Blocks...

By restraining joints, the thrust force is confined to the pipeline which is no longer dependent on soil composition, compactness and saturation. With the Leemco restrained fittings, connections can be made in the shortest possible time. There is no need to wait for concrete trucks to arrive or long waits for concrete to cure. The system can be pressurized as soon as the joints are tightened. Repairs can be made with the trench soaked. The Leemco restrained fittings are designed to get a system in operation in the least amount of time and effort.

Advanced Design Features...

Leemco Self-Restrained fittings have blunt cast serrations which are specifically designed for PVC or HDPE plastic pipe. These non-machined serrations will not damage the plastic pipe surface and have a fused epoxy finish to protect against corrosive soil conditions. Installers prefer our Patented bell design which incorporates a cast-on half clamp and a detachable clamp, with our easy to install proven 2-bolt system that saves precious time and labor costs.



Durable Epoxy Coating...

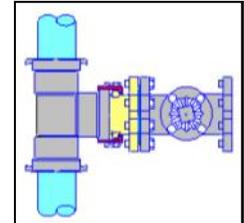
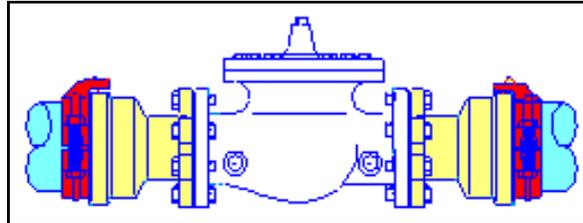
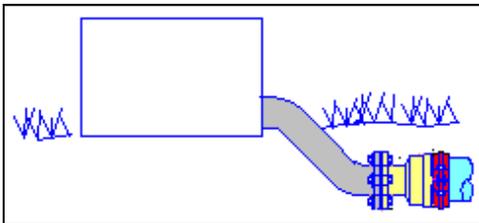
Optional fused epoxy coating is applied to the inside and outside of the fitting which helps protect against high corrosive soil conditions and acidic water created by today's chemical injector and sulfur burner systems.



Innovative Flange Adapters...

Available in both Flange x Spigot or Flange x Bell, connections are made easy and secure. Uses include pump station discharges, flanged valves and flanged fittings to name a few.

Note: 304 & 316 stainless hardware is available for an additional charge. Please contact your Leemco Representative for pricing.



MATERIAL:	Class 350 Ductile Iron per ASTM A-536, Grade 65-45-12, AWWA C153
PRESSURE RATING:	350 PSI
EPOXY COATING:	ANSI/AWWA C116/A21.16-09, NSF 61 & CSA Z245.20-98, 10-12 MIL
HARDWARE:	Low Alloy Steel ANSI/AWWA C11/A21.11, Optional 304 & 316 stainless
BELL SOCKETS:	Deep slanted bell, ANSI/AWWA C116/A21.16-09
GASKETS:	High grade EPDM rubber ANSI/AWWA C111/A21.11, Rib-Enforced design
DEFLECTION:	5 Degrees
INSTALLATION:	Per IPS Pipe Standards

Specification:

Fittings shall be ductile iron, slanted, deep bell, gasket style made in accordance with ASTM A-536, Grade 65-45-12 & AWWA C153. Fittings shall have joint restraint system cast within the fitting. Joint restraints shall have blunt cast serrations, so damage of the outer pipe surface will not occur. Machined threaded restraints shall not be allowed. All gaskets shall be manufactured of high grade EPDM rubber and shall be rib-enforced "U-Cup" design to seal and assist in restraining pipe at all pressures. Epoxy Coating on interior & exterior surfaces of fittings shall be fusion bonded epoxy, 10-12 mil thickness. The epoxy coated fittings shall pass 90-Day immersion tests per CSA Z245.20-98. All fittings shall be manufactured by Leemco, Inc., U.S.A.



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