The unmatched range of domestic and globally-sourced products for fire protection piping systems offered by Anvil provides versatile and dependable performance for a wide range of applications. Anvil products are UL/ULC Listed and FM Approved.

Anvil combines the latest technology, up-to-date fire protection ratings, recognized manufacturing expertise and a trusted history that has made Anvil the go-to source for fire protection piping products.
Anvil Cast Iron & Malleable Iron Threaded Fittings

Manufactured in Columbia, PA USA, Anvil offers the most complete line of Cast Iron and Malleable Iron Threaded Fittings in the industry. Our versatile range of fittings is designed to provide connection options for different applications and environments.

Cast Iron (Gray Iron) Threaded Fittings are manufactured in accordance with ASME/ANSI B14.4 and are UL/ULC listed and FM approved.

Malleable Iron Fittings are manufactured in accordance with ASME/ANSI B16.3 and Unions ASME/ANSI B16.39 and are available in Class 150, Class 250, and Class 300 UL/ULC listed and FM approved. In both classes, all Elbows and Tees ¾” and larger are 100% air tested at a minimum of 100 psi (6.9 bar).

Cast Iron Flanged Fittings are manufactured in accordance with ASME B16.1 and are available in both Class 125 and Class 250.

Anvil Steel Pipe Nipples & Steel Pipe Couplings

Anvil offers a variety of Steel Pipe Nipples and Steel Pipe Couplings for the fire protection industry.

Anvil’s Steel Pipe Nipples are manufactured in accordance with ASTM/ANSI A 733 welded and seamless carbon steel pipe nipples. Materials include black and hot-dipped galvanized finishes. Anvil manufactures a wide range of stock pipe nipples in ¼” diameter through 8” diameter close through 72” inch length in half-inch increments. We also offer standard nipple packs ranging from one each (close to 6”) and standard six packs which offer multiple counts of each. Cartons are packed with handles for easy carrying.

Steel Pipe Couplings are manufactured in accordance with ASTM specification A 865. Straight-tapped couplings range in size from ¼” NPS through 2” NPS, while 2½” NPS and larger are taper tapped.

SPF Ductile Iron & Cast Iron Threaded Fittings

SPF Ductile Iron Threaded Fittings are UL/ULC Listed and FM Approved for 500 psi service. These fittings provide a dependable threaded connection and are available in a range of styles and specifications. All SPF Ductile Iron Threaded Fittings dimensions conform to ANSI B16.3 Class 150 requirements, and threads are NPT per ANSI/ASME B1.20.1.

SPF Cast Iron Threaded Fittings are UL/ULC Listed and FM Approved for 300 psi service. These fittings are available in a range of styles and specifications. All SPF Cast Iron Threaded Fittings dimensions conform to ANSI B16.4 requirements, and threads are NPT per ANSI/ASME B1.20.1.
Gruvlok Product Line
The Gruvlok product line is manufactured to the highest standards at our state-of-the-art manufacturing facility located in Columbia, PA USA. All products for Fire Protection are UL/ULC listed and FM approved.

Gruvlok Figure 7400 RigidLite® Coupling
The Gruvlok Figure 7400 Rigidlite Coupling is specially designed to provide a rigid, locked-in pipe connection to meet the specific demands of a rigid piping system not allowing for expansion, contraction or deflection. Fast and easy swing-over installation of the rugged lightweight housing produces a secure, rigid pipe joint. The Figure 7400 Rigidlite Coupling is UL/ULC Listed and FM Approved for fire protection service in both wet and dry systems, with roll grooved or cut grooved steel pipe prepared in accordance with Gruvlok grooving specifications. For the latest UL/ULC listed and FM approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Representative.

The Gruvlok Figure 7400 Rigidlite Coupling with a Pre-Lubricated Grade “E” EPDM, Type “A” gasket (coupling is easily identified by purple nuts) is intended for use in fire protection systems installed in accordance with NFPA Standard 13 “Sprinkler Systems”.

Available 1” – 8” nominal pipe sizes.

Gruvlok Figure 7000 Lightweight Flexible Coupling
The Gruvlok Figure 7000 Lightweight Coupling is designed for applications where system flexibility is desired. The Figure 7000 Lightweight Coupling is approximately 30% lighter in weight than the Figure 7001 Coupling. For the latest UL/ULC listed and FM approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Representative.

The Figure 7000 Lightweight Coupling with a Pre-Lubricated Grade “E” EPDM, Type “A” gasket (coupling is easily identified by purple nuts) is intended for use in fire protection systems installed in accordance with NFPA Standard 13 “Sprinkler Systems”.

Available 1” – 8” nominal pipe sizes.

Gruvlok Figure 7010 Reducing Coupling
The Gruvlok Figure 7010 Reducing Coupling makes it possible to directly connect two different pipe sizes, eliminating the need for two couplings and a reducing fitting. The specially designed reducing coupling gasket with a center rib assures proper positioning of the gasket and prevents the smaller pipe from telescoping into the larger during assembly. For the latest UL/ULC listed and FM approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Representative. Figure 7010 Coupling comes complete with Grade “E” EPDM Gasket.

Available 2” – 8” nominal pipe sizes.

Gruvlok Figure 7012 Flange
The Gruvlok Figure 7012 Flange allows direct connection of Class 125 or Class 150 flanged components to a grooved piping system. The two interlocking halves of the 2” thru 12” sizes of the Gruvlok Flange are hinged for ease of handling, and are drawn together by a latch bolt which eases assembly on the pipe. Precision machined bolt holes, key and mating surfaces assure concentricity and flatness to provide exact fit-up with flanged, lug, and wafer styles of pipe system equipment. A specially designed gasket provides a leak-tight seal on both the pipe and the mating flange face. For the latest UL/ULC listed and FM approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Representative.

Gruvlok Flanges have designed-in anti-rotation tines which bite into and grip the sides of the pipe groove to provide a secure, rigid connection. The Gruvlok Fig. 7012 Flange requires the use of a steel adapter insert when used against rubber faced surfaces, wafer/lug design valves and serrated or irregular sealing surfaces. Flange comes complete with Grade “E” EPDM Gasket.

Available 2” – 12” nominal pipe sizes.
**Gruvlok Fittings for Grooved End Pipe**

Gruvlok fittings for fire protection applications are available through 8” nominal pipe size in a variety of styles. These fittings are designed to provide minimum pressure drop and uniform strength. Refer to Flow Data in the catalog for details. Depending on styles and size, Gruvlok fittings are provided in various materials including malleable iron, ductile iron or fabricated steel.

**Material Specifications:**

- **Cast Fittings:**
  Ductile iron conforming to ASTM A 536 or Malleable iron conforming to ASTM A 47

- **Fabricated Fittings:**
  1-6” Carbon steel, Schedule 40, conforming to ASTM A 53, Grade B
  8-12” Carbon steel, Schedule 30 conforming to ASTM A 53, Grade B

- **Coating:**
  Rust inhibiting paint Color: ORANGE (standard)
  Hot-dipped zinc galvanized conforming to ASTM A 153 (optional)

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<th>Gruvlok Fig.</th>
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Gruvlok Sock-It Fittings

The Gruvlok Sock-It Piping Method provides a quick, secure and reliable method of joining plain-end steel pipe. Several Sock-It configurations are available: tees with NPT outlets, reducing run tees with NPT outlets, straight couplings, 90˚ elbows, straight tees and reducing elbows. Pressure energized elastomeric gaskets provide the Sock-It with a leak-tight seal. Specially designed lock bolts secure the pipe in the Sock-It Fitting, providing a fast, dependable way of joining small diameter plain-end pipe.

The Gruvlok Sock-It Fittings are designed to accommodate the rigorous requirements of UL/ULC and FM for use in both wet and dry fire protection systems. The threaded outlet in a Sock-It Tee permits installation of sprinklers (including dry pendent sprinklers) directly into the Sock-It Fitting.

For the latest UL/ULC listed and FM approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Sales Representative.

Material Specifications:

- **Housing:**
  Cast Iron ASTM A 126 Class A

- **Bolts:**
  Case hardened carbon steel, dichromate finish

- **Gaskets:**
  Grade “E” EPDM, as specified in accordance with ASTM D 2000
Gruvlok Figure AN7722-3A Butterfly Valve UL/ULC Listed and FM Approved

The Gruvlok Figure AN7722-3A Grooved End Butterfly Valve is UL/ULC Listed and FM Approved as a system control valve. The valve is rated at 300 psi for steel pipe in the 2” to 10” sizes. The 2” through 10” sizes are agency rated for both indoor and outdoor service.

The valve is supplied with two internal switches. One is wired for supervisory service and the other is wired for use as an auxiliary switch. Both switches are rated for 0.5 amp at 125 VDC, 0.25 amp at 250 VDC, and 4 amps at 125 VAC. The switches and actuator internal spaces are protected from tampering.

The ductile iron valve body is encapsulated with a durable nylon coating to ensure long term service. The valve features double-seal disc design with resilient EPDM coating, and stems are 416 stainless steel. Detailed instructions for valve installation and switch wiring are included with each valve.

Gruvlok Figure 78FP Check Valve UL/ULC Listed and FM Approved

The Gruvlok 78FP UL/ULC Listed and FM Approved Check Valve is a compact, cost-effective valve, designed for use in grooved-end pipe fire protection systems and related equipment. Valves are to be used in conjunction with grooved pipe and pipe couplings that are listed or approved for fire protection systems.

PRESSURE RATING:
2” through 12” 78FP UL/ULC Listed and FM approved check valves have a maximum working pressure of 300 PSI (20.7 bar).

DESIGN FEATURE:
The clapper design produces quick, non-slam closure before flow reversal can occur, providing a leak free sealing of back pressures as low as 1 PSI (0.07 bar) equivalent to 28” water head, meeting FM requirements for anti-water-hammer check valves.

APPLICATIONS:
• Fire Department pumper to sprinkler systems
• Public water supplies to automatic sprinkler systems
• Fire pump discharges and by-pass
• Gravity and pressure tanks
**SPF Grooved Product Line**

SPF Grooved products are intentionally manufactured to meet the most stringent standards as well as being UL/ULC listed and FM approved.

**SPF Model C-4 Rigid Coupling**

The SPF Model C-4 Rigid Coupling is specially designed to provide a rigid, locked-in pipe connection to meet the specific demands of a rigid piping system not allowing for expansion, contraction or deflection. Fast and easy swing-over installation of the rugged lightweight housing produces a secure, rigid pipe joint. The Model C-4 Rigid Coupling is UL/ULC Listed and FM Approved for fire protection service in both wet and dry systems, with roll grooved or cut grooved steel pipe prepared in accordance with Gruvlok grooving specifications. For the latest UL/ULC listed and FM approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Representative.

The Model C-4 Rigid Coupling with a Pre-Lubricated Grade “E” EPDM, Type “A” gasket is intended for use in fire protection systems installed in accordance with NFPA Standard 13 “Sprinkler Systems”.

Available 1/4” – 8” nominal pipe sizes.

**SPF Model C-3 Lightweight Flexible Coupling**

The SPF Model C-3 Lightweight Flexible Coupling is designed for applications where system flexibility is desired. The Model C-3 Lightweight Flexible Coupling is approximately 30% lighter in weight than the Figure 7001 Coupling. For the latest UL/ULC listed and FM approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Representative.

The Model C-3 Lightweight Flexible Coupling with a Pre-Lubricated Grade “E” EPDM, Type “A” gasket is intended for use in fire protection systems installed in accordance with NFPA Standard 13 “Sprinkler Systems”.

Available 1/4” – 8” nominal pipe sizes.

**SPF Model RC-2 Reducing Coupling**

The SPF Model RC-2 Reducing Coupling makes it possible to directly connect two different pipe sizes, eliminating the need for two couplings and a reducing fitting. The specially designed reducing coupling gasket with a center rib assures proper positioning of the gasket and prevents the smaller pipe from telescoping into the larger during assembly. For the latest UL/ULC listed and FM approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Representative. Model RC-2 Reducing Coupling comes complete with Grade “E” EPDM Gasket.

Available 2” – 8” nominal pipe sizes.

**SPF Model F-3 Flange**

The SPF Model F-3 Flange allows direct connection of Class 125 or Class 150 flanged components to a grooved piping system. The two interlocking halves of the 2” thru 12” sizes of the SPF Flange are hinged for ease of handling, and are drawn together by a latch bolt which eases assembly on the pipe. Precision machined bolt holes, key and mating surfaces assure concentricity and flatness to provide exact fit-up with flanged, lug, and wafer styles of pipe system equipment. A specially designed gasket provides a leak-tight seal on both the pipe and the mating flange face. For the latest UL/ULC listed and FM approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Representative.

SPF Flanges have designed-in anti-rotation tines which bite into and grip the sides of the pipe groove to provide a secure, rigid connection. The SPF Model F-3 Flange requires the use of a steel adapter insert when used against rubber faced surfaces, wafer/lug design valves and serrated or irregular sealing surfaces. Flange comes complete with Grade “E” EPDM Gasket.

Available 2” – 12” nominal pipe sizes.
SPF Grooved Fittings

SPF Fittings for Grooved End Pipe
SPF Grooved Couplings and Fittings provide a rigid or flexible pipe connection for fire protection systems with dependable seals over a range of internal pressure situations. SPF also offers Short Pattern Products through 8" to meet all of your fire protection needs.

Material Specifications:

- **Cast Fittings:**
  Ductile iron conforming to ASTM A 536

- **Fabricated Fittings:**
  1-10" Carbon steel, Schedule 40, conforming to ASTM A 53, Grade B
  12" Carbon steel, Standard Wall, conforming to ASTM A 53, Grade B

- **Coating:**
  Rust inhibiting paint Color: ORANGE (standard)
  Hot-dipped zinc galvanized conforming to ASTM A 153 (optional)
Merit Tee-lets & Drop Nipples

Merit offers a variety of Tee-lets and Adjustable Drop Nipples for fire protection applications. All products are UL listed and FM approved and rated at 300 psi.

Tee-lets are designed and manufactured to reduce the amount of weld required for Tee-Let installation on thin wall and proprietary flow pipe.

Merit Adjustable Drop Nipples provide the user with the ability to adjust fire sprinkler assemblies to fit flush to the finished ceiling without having to cut a drop nipple or drain the system.

SPF O’Lets

THREADED OUTLETS:
The steel MTM-40 SPF outlet fittings are contoured to provide a precise fit at the opening in the run pipe and conform to standard practice MSS SP-97. These outlets are available in sizes ½” – 2” for 1 ¼” – 8” run sizes. All fittings are UL/ULC listed, and FM approved for use in fire protection systems. All threads comply with ANSI/ASME B1.20.1 for NPT.

SCHEDULE 40 GROOVED OUTLETS:
The grooved welding outlet fittings are UL/ULC Listed and FM Approved for use in the fire sprinkler systems installed in accordance with the requirements of NFPA Bulletin 13. They are rated for 300 PSI operation in fire sprinkler systems, and higher pressures in other non-critical piping systems.

Mueller Valves & Indicator Posts

Mueller Valves

Mueller Valves are available in a variety of styles for fire protection applications including Non-Rising Stem and O.S.&Y. Rising Stem Resilient Wedge Gate Valves, and Swing-Type Check Valves.

Mueller Valves are ideal for system control valves, as well as flanged fire pump applications.

Mueller Indicator Posts

Mueller offers both underground and wall Indicator Posts for easily identifying whether a valve is open or closed.

Mueller Indicator Posts are used in fire protection systems and perform several functions. The Indicator Post provides a means to operate a buried or otherwise inaccessible valve. Also, the Indicator Post readily and clearly indicates whether the valve is open or shut. All Mueller Indicator Posts are UL listed, ULC listed and FM approved.
Anvil Pipe Hangers, Supports and Seismic Bracing

Fire Products - Pipe Hangers
- UL and ULC Listed
- FM Approved
- Seismic Sway Brace
  - OSHPD Manual
  - OPA-2804-10
  - Pipe Brace Clamps
  - Seis Brace Seismic Fire Protection Design Tool
  - Structural Attachments
  - Restraints
  - Sway Brace Attachment

Seis Brace™
Anvil’s Seismic Fire Protection Design Tool is provided to our customers free of charge. This seismic calculator tool for fire protection allows you to:
- Specify FM Approval or UL Listed components
- Perform calculation through either the NFPA method ("Fpw") or the IBC code method ("Fp")
- See a selection of product groupings that match your system design
- Generate submittals with figure numbers from Anvil’s seismic bracing product line including images and specifications for each product
- You may begin to use Seis Brace by visiting www.seisbrace.com

Customer Service
With four key stocking locations throughout North America, you can count on getting all of the product you need - when you need it. When you have installation questions our solid customer service personnel are there to answer all of your questions, backed by our designers or engineers we are there for you - on site if needed.

Manufacturing Excellence
Our manufacturing facility in Henderson, Tennessee has over 175,000 square feet of manufacturing capability dedicated to producing a complete line of commercial, light industrial and industrial Pipe Hangers and Supports. These include clamps, braces, inserts, rods and attachments, slides and guides to exacting industry standards and certified to ISO 9001 quality. The products manufactured in Henderson are designed for use in a wide variety of rigid Pipe Hanger or Support applications, in markets including fire protection, electrical, water and waste water treatment, petrochemical, seismic, industrial and commercial. Special fabrication is available from our Henderson facility as well.
Anvil Pipe Hangers, Supports and Seismic Bracing

CPVC PIPE HANGERS

- Fig. 185 One Hole Pipe Strap
  Size Range: 3/4" thru 2"
- Fig. 186 Two Hole Pipe Strap
  Size Range: 3/4" thru 2"
- Fig. 187 Two Hole 90° Side Mount Strap
  Size Range: 3/4" thru 2"
- Fig. 188 Two Hole Stand Off Strap
  Size Range: 3/4" thru 2"

PIPE RINGS & CLEVIS

- Fig. 138R Extension Split Pipe Clamp
  Size Range: 3/4" thru 3"
- Fig. 69 Adjustable Swivel Ring
  Size Range: 1/2" thru 8"
- Fig. 260 Adjustable Clevis Hanger
  Size Range: 1/2" thru 30"

STEEL PIPE CLAMPS

- Fig. 261 Extension Pipe or Riser Clamp
  Size Range: 1/2" thru 24"
- Fig. 212 Medium Pipe Clamp
  Size Range: 1/2" thru 30"
- Fig. 153 Pipe Hanger Flange
  Size Range: 3/4" thru 1/4"

CEILING PLATE

HANGER RODS & ATTACHMENTS

- Fig. 142 Coach Screw Rods Machine Threaded on Opposite End
  Size Range: 3/4" thru 1/2"
- Fig. 146 Continuous Thread
  Size Range: 3/4" thru 1 1/2"
- Fig. 136 & 136R Straight Rod Coupling
  Size Range: 1/4" thru 1"
- Fig. 110R Socket, Rod Threaded
  Size Range: 1/4" thru 1/2"
- Fig. 157 Extension Piece
  Size Range: 3/4" thru 7/8"
Anvil Pipe Hangers, Supports and Seismic Bracing

BEAM CLAMPS

- **C-Clamp with Set Screw and Lock Nut**
  - Fig. 86 & 88
  - Size Range: 3/8” thru 3/4”

- **C-Clamp with Locknut**
  - Fig. 95
  - Size Range: 3/8” and 1/2”

- **Retention Clip**
  - Fig. 89X
  - Size Range: 3/8” thru 3/4”

- **Universal C-Type Clamp Standard Throat**
  - Fig. 92
  - Size Range: 3/8” and 1/2”

- **Universal C-Type Clamp Wide Throat**
  - Fig. 93
  - Size Range: 3/8” and 1/2”

- **Wide Throat Top Beam C-Clamp**
  - Fig. 94
  - Size Range: 3/8” and 1/2”

- **Top Beam Clamp**
  - Fig. 227
  - Size Range: 3/8” thru 3/4”

- **Standard Duty Beam Clamp**
  - Fig. 133
  - Size Range: 4” thru 12”

- **Heavy Duty Beam Clamp**
  - Fig. 134
  - Size Range: 4” thru 12”

- **Malleable Beam Clamp without Extension Piece**
  - Fig. 218

BRACKETS

- **Iron Side Beam Bracket**
  - Fig. 202
  - Size Range: 3/8” thru 3/4”

- **Steel Side Beam Bracket**
  - Fig. 206
  - Size Range: 3/8” thru 3/4”

- **Threaded Steel Side Beam Bracket**
  - Fig. 207
  - Size Range: 3/8” thru 1/2”

- **Straight Eye Socket**
  - Fig. 189
  - Size: 3/8”

- **Off-Set Eye Socket**
  - Fig. 190
  - Size: 3/8”

- **Light Welded Steel Bracket**
  - Fig. 194

CONCRETE INSERTS & ATTACHMENTS

- **Screw Concrete Insert**
  - Fig. 152
  - Size Range: 3/8” thru 7/8”

- **Universal Concrete Insert**
  - Fig. 282
  - Size Range: 3/8” thru 7/8”

- **Wedge Type Concrete Insert**
  - Fig. 281
  - Size Range: 1/4” thru 7/8”

- **Light Weight Concrete Insert**
  - Fig. 285
  - Size Range: 1/4” thru 5/8”

www.anvilintl.com
Anvil Pipe Hangers, Supports and Seismic Bracing

SWAY BRACE - SEISMIC • OSHPD PRE-APPROVED

PIECE BRACE CLAMPS

![Q Brace Clamp](image1) OPA-2804-10
Fig. 770
Q Brace Clamp
Size Range: 1” thru 6” Service Pipe

![Brace Clamp](image2) OPA-2804-10
Fig. 776
Brace Clamp
Size Range: 2'/3” thru 8” Service Pipe

![Lateral/Longitudinal Brace Clamp](image3) OPA-2804-10
Fig. 775
Lateral/Longitudinal Brace Clamp
Size Range: 2'/3” thru 8” Service Pipe

STRUCTURAL ATTACHMENTS

![Bar Joist and Beam Attachment (WF)](image4) OPA-2804-10
Fig. 778
Bar Joist and Beam Attachment (WF)
Size Range: Flange Thickness 1/8” thru 1/4”

![Adjustable Steel Beam Attachment](image5) OPA-2804-10
Fig. 772
Adjustable Steel Beam Attachment
Size Range: Flange Widths 4” thru 15”

![Multi-Connector Adapter](image6) OPA-2804-10
Fig. 779
Multi-Connector Adapter
Size Range: 1” thru 8” Service Pipe

RESTRAINTS

![Surge Restrainer](image7) OPA-2804-10
Fig. 773
Surge Restrainer
Size Range: 1/4” thru 2” Swivel Ring Hanger

![Swivel Joint Connector - Rod Tap](image8) OPA-2804-10
Fig. 777
Swivel Joint Connector - Rod Tap
Size Range: 3/8” Rod Diameter

![Sway Brace Swivel Attachment](image9) OPA-2804-10
Fig. 771
Sway Brace Swivel Attachment
Size Range: 1” and 11/4” Brace Pipe

SWAY BRACE ATTACHMENT

Go to [www.anvilintl.com/OPA](http://www.anvilintl.com/OPA) for State of California Office of Statewide Health Planning and Development (OSHPD) design information relating to OSHPD projects.

Seis Brace™ can be accessed by visiting [www.seisbrace.com](http://www.seisbrace.com)

**Notes:**
1. For fire protection installations - sway braces are intended to be installed in accordance with NFPA-13 and Anvil’s installations instructions and local codes.
2. The required type, number and size of fasteners used for the structural attachment fitting shall be in accordance with NFPA-13.
3. To assure proper performance, installer is responsible for obtaining installation instructions from Anvil International.
4. Anvil International® brand bracing components are designed to be compatible ONLY with other Anvil International® brand bracing components, resulting in a Listed seismic bracing assembly.
Anvil Pipe Hangers, Supports and Seismic Bracing

U-BOLT & PIPE SUPPORTS

**Fig. 137 & 137S**
Standard U-Bolts
Size Range: 1/2" thru 36"

**Fig. 264**
Adjustable Pipe Saddle Support
Size Range: 21/2" thru 36"

**Fig. 259**
Pipe Saddle Support with U-Bolt
Size Range: 4" thru 36"

ANVIL-STRUT CHANNEL

**AS 200**
Channel
Size: 11/2" x 11/8" x 12 GA.

**AS 200H**
Channel with Holes
Size: 13/8" x 11/8" x 12 GA.
9/16" Holes on 17/8" Centers.

**AS 200BTB**
Welded Channel
Size: 11/8" x 31/8" x 12 GA.

**AS 210**
Channel
Size: 11/2" x 11/8" x 14 GA.

**AS 210H**
Channel with Holes
Size: 13/8" x 11/8" x 14 GA.
9/16" Holes on 17/8" Centers.

**AS 300**
Channel
Size: 11/2" x 13/8" x 12 GA.

**AS 300H**
Channel with Holes
Size: 13/8" x 11/8" x 12 GA.
9/16" Holes on 17/8" Centers.

CHANNEL NUTS

**AS NS**
Clamping Nut without Spring
Use with all 11/2" wide channel

**AS RS**
Clamping Nut with Regular Spring
Use with AS 200, AS 210 and AS 300

**AS TG**
Top Grip Nut with Spring on Top
Use with all 11/2" wide channel

**AS 517**
Stud Nut with RS Spring
Save time and money with fast, accurate and repeatable grooves

The Gruvlok Model 1007 and Model 3007 Roll Groovers utilize an advanced zero maintenance design for a more efficient, safer and easier roll grooving job. The hands clear design and foot switch operation allows for safe roll grooving of pipe sizes from 2” through 16” with lengths from 5” to 20 feet. Quick and simple to set-up, roll grooving is now user friendly. Call your Anvil Sales Representative for a roll grooving demonstration.

**Optional Equipment:**

- 8” Gruvlok Advanced Copper Method Assembly with grooving rolls, hydraulic copper guide roll unit suitable for K, L, M, and DWV tubing, and an 8” Universal Diameter Gauge.
- 2”-6” Type K Advanced Copper Method Guide Roll Assembly
- 3”-6” Type DWV Advanced Copper Method Guide Roll Assembly
- 2”-8” Gruvlok CTS Copper System Grooving Rolls and Depth Gauges.
- 2”-12” Schedule 10 Grooving Rolls: Consisting of 2”-6” and 8”-12” roll sets.
- 14”-16” Grooving Rolls (Model 1007 only)
- Optional 230 volt, 60Hz, 15 amp, single phase electrical panel with motor is available for the 1007 Roll Groover.

**Features:**

- **WIDE GROOVING RANGE**
  2” thru 16” standard wall & schedule 10 steel pipe,
  2” thru 12” Schedule 10S and 40S Stainless Steel and
  2” thru 8” copper tube type K, L, M, and DWV. (Adv. Copper Method or CTS Copper System)
- **PIPE LENGTHS**
  20’ random schedule 40 (standard wall) to 5” groove by groove nipples. The shortest roll groove nipple capability in the industry; hands-clear operation.
- **HANDS CLEAR GROOVING OF PIPE AND NIPPLES**
  Enhanced operator safety provided by outboard guide roll assembly.
- **ACCURATE, REPEATABLE-GROOVE DIAMETER CONTROL**
  Simplified direct action design provides positive, repeatable, control.
- **USER FRIENDLY DESIGN**
  Pump location is adjustable for operator comfort and safety.
- **FAST GROOVING TIMES**
  Large capacity two-stage pump. Two-stage design saves time engaging pipe while providing smooth application of optimum grooving force with reduced operator effort.
- **BETTER CONTROL OF PIPE FLARE**
  Outboard guide roll assembly registers pipe for proper orientation.
- **QUICK, EASY SETUP AND ROLL CHANGE**
- **RUGGED DESIGN REQUIRES ZERO MAINTENANCE**
  Sealed bearings eliminate need for periodic maintenance.
- **EASE OF OPERATION**
  High grooving forces obtained through use of larger capability ram requires less pump effort.
- **FOOT SWITCH POWER APPLICATION**
- **OPERATOR SAFE DESIGN**
Gruvlok Gasket Styles

Gruvlok offers a variety of pressure responsive gasket styles. Each serves a specific function while utilizing the same basic sealing concept. Proper installation of the gasket compresses the inclined gasket lips on the pipe O.D., forming a leak-tight seal. This sealing action is reinforced when the gasket is encompassed and compressed by the coupling housings. The application of internal line pressure energizes the elastometric gasket and further enhances the gasket sealing action.

**“C” Style**
The “C” Style cross section configuration is the most widely used gasket. It is the gasket style provided as standard in many Gruvlok Couplings. Grade “E” is the standard for fire protection gaskets.

**Flush Gap®**
Designed to prohibit contaminates from building up in the gasket cavity. The centering rib fits flush over the gap between the two pipe ends thus closing off the gasket cavity. Recommended for use in dry fire protection systems.

**Reducing Coupling**
The centering rib allows for pipe positioning and serves to keep the smaller pipe from telescoping during installation. Used only with the Fig. 7010 Reducing Coupling.

**Flange**
A specially designed gasket for the Fig. 7012 and 7013 Flange provides for a reliable seal on both the pipe and the mating flange.

**Clamp-T®**
These gaskets conform to the curved exterior of the pipe to provide a pressure responsive seal. This unique design is only used with Fig. 7045, 7046 Clamp-T and Fig. 7047, 7048, and 7049 Clamp-T Crosses.

**Sock-It®**
Used in Sock-It fittings only, this pressure energized gasket provides a leak-tight seal on plain end seal pipe. Available in Grade “E” material only.

**FIRE PROTECTION GASKET GRADE INDEX**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Temperature Range</th>
<th>Compound</th>
<th>Color Code</th>
<th>General Service Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>-40°F to +230°F</td>
<td>EPDM</td>
<td>Green</td>
<td>Water, dilute acids, alkalies, salts, and many chemical services not involving hydrocarbons, oils, or gases. Excellent oxidation resistance. <strong>NOT FOR USE WITH HYDROCARBONS</strong></td>
</tr>
<tr>
<td></td>
<td>(-40°C to 110°C)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E TYPE A</td>
<td>-40°F to +150°F</td>
<td>Pre-Lubricated</td>
<td>Violet</td>
<td>Wet &amp; Dry (oil free air) Pipe in Fire Protection Systems. For dry pipe systems, Gruvlok Xtreme™ Temperature Lubricant is required.</td>
</tr>
<tr>
<td></td>
<td>(-40°C to 66°C)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Anvil product lines include malleable and cast iron fittings, unions and flanges; seamless and welded steel pipe nipples; steel pipe couplings; universal anvlets; forged steel fittings and unions; pipe hangers and supports; threaded rod; and engineered hangers.

The Gruvlok product line consists of couplings for grooved and plain-end fittings, butterfly valves and check valves; flanges; pump protection components; pipe grooving tools; as well as copper and stainless steel system components.

The SPF/Anvil product line includes a variety of internationally sourced products such as grooved couplings, fittings, cast iron, malleable iron and ductile iron threaded fittings, steel pipe nipples, as well as tee-lets.

Catawissa NACE and API approved wing unions for Standard Service are offered in non-pressure seal ends as well as threaded and butt weld, and are interchangeable with most leading union manufacturers. Fully traceable and available with complete mill certifications, Catawissa’s oilfield wing union product line includes the standard ball-and-cone design plus our unique Figure 300 Flat Face design, where space and pipe line separation are a consideration.

Anvil EPS-Engineered Pipe Supports are products used to support piping systems under thermal, seismic, and other dynamic loading conditions. The product line encompasses variable spring hangers, constant supports, sway struts and snubbers as well as standard and special design clamps. Anvil EPS brings the highest quality products and innovative engineering solutions to common and uncommon piping system problems.

JB Smith is the leading manufacturer of oil country tubular fittings, swages and bull plugs – all meeting API specifications. Offering tubing nipples, casing nipples as well as a full line of traditional line pipe and oil country threads in every schedule, JB Smith is the resource for all your oilfield needs.

The Merit product line includes a variety of tee-lets and drop nipples for fire protection applications. Most Merit products are UL/ULC Listed, FM Approved, and rated from 175 to 300 psi.

Steel pipe nipples and steel pipe couplings are manufactured in accordance with the ASTM A733 Standard Specification for Welded and Seamless Carbon Steel and Stainless Steel Pipe Nipples. Steel pipe couplings are manufactured in accordance with the ASTM A865 Standard Specification for Threaded Couplings, Steel, Black or Zinc-Coated (Galvanized) Welded or Seamless, for Use in Steel Pipe Joints. API couplings are manufactured in accordance with the API Specification for line pipe.

Anvil-Strut products include a complete line of channel in stock lengths of 10 and 20 feet, with custom lengths available upon request. A variety of fittings and accessories are also offered. All products can be ordered in an assortment of finishes and material choices including SupR-Green™, Zinc Trivalent Chromium, pre-galvanized, hot-dipped galvanized, electro-galvanized, aluminum, plain, and stainless steel.

Founded in 1983, NAP is a manufacturer of fabrication equipment, including automatic welders, plasma cut-off equipment, hole cutting equipment, make-on machines and pipe threaders. NAP, innovators of pipe fabrication equipment.
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