





# ASC Engineered Solutions combines the latest technology and outstanding fire protection ratings.

We're recognized for manufacturing expertise and enjoy a trusted history. This has made us your go-to source for fire protection products.

ASC Engineered Solutions offers the most pipe support and connecting solutions in the fire protection industry. We provide products with the quality you rely on, from the brands you trust most. **Quality products are just the beginning.**



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# Threaded Fittings

Anvil brand offers the most complete line of threaded iron products in the industry, offering domestic cast and malleable iron pipe fittings. SCI brand provides high quality/high value, internationally sourced cast, malleable and ductile iron pipe fittings.



## Cast Iron

- Branded with Anvil logo confirms manufactured in Columbia, PA USA
- Most complete line in the industry, available in 1/4" - 12"
- 1/4" - 4" UL Listed FM Approved at 400 PSI
- Class 125 and 250 Extra Heavy CI threaded fittings
- Threads NPT per ASME B1.20.1
- Air tested

## Malleable Iron

- Branded with Anvil logo confirms manufactured in Columbia, PA USA
- Broadest line of fitting sizes available in both black or galvanized finishes, Class 150 and 300
- All Class 150 fittings are UL Listed and FM Approved at 300 PSI
- All Elbows and Tees 3/8" and larger are 100% air tested at minimum of 100 PSI
- Air tested



## Cast Iron

- Available in 1" - 2"
- All SCI Cast Iron is UL Listed and FM Approved at 300 PSI
- Class 125 Standard
- Air tested

## Malleable Iron

- Available in 1/8" - 6" both black or galvanized finishes, Class 150 and 300
- All SCI Malleable Iron 1/8" - 2" Fittings are UL Listed and FM Approved at 500 PSI
- All SCI Malleable Iron 2" - 6" Fittings and All Bushings are UL Listed and FM Approved at 300 PSI
- Air tested

## Ductile Iron

- Available in 1" - 2"
- All SCI Ductile Iron is UL Listed and FM Approved at 500 PSI
- Class 150 Standard DI threaded fittings

# Grooved Couplings

ASC Engineered Solutions offers Gruvlok, domestic, and SPF/Anvil, internationally sourced, grooved couplings and fittings to meet any of your requirements. Gruvlok grooved products are manufactured at our state of the art facility in Columbia, PA USA.



## SlideLOK Rigid Ready for Installation Coupling

- Slide action eases assembly and reduces installation time
- 1-1/4" - 8", Painted or Galvanized
- Up to 450 PSI
- Wet, Dry or Freezer applications, Pre-Lubricated Grade "E" EPDM, 4Seal Gasket
- Can be used with Gruvlok or SPF/Anvil fittings

SLIDELOK 74FP (Gruvlok Part Number)



## Rigid Coupling

- 1-1/4" - 8", Painted or Galvanized
- 300 PSI
- Wet or Dry Systems
- Pre-Lubricated Grade "E" EPDM, Type A Gasket

FP7400 (Gruvlok Part Number)  
C-4 (SPF Anvil Part Number)



## Flexible Coupling

- 1-1/4" - 8", Painted or Galvanized
- 300 PSI
- Wet or Dry Systems
- Pre-Lubricated Grade "E" EPDM, Type A Gasket

FP7000 (Gruvlok Part Number)  
C-3 (SPF Anvil Part Number)



## Reducing Coupling

- 1-1/4" - 8", Painted or Galvanized
- 300 PSI
- Wet or Dry Systems
- Pre-Lubricated Grade "E" EPDM, Type A Gasket

7010FP (Gruvlok Part Number)  
RC-2 (SPF Anvil Part Number)

# Grooved Fittings/Flanges

Domestic and globally sourced grooved couplings and fittings to meet your requirements. Gruvlok grooved products are manufactured at our state of the art facility in Columbia, PA USA.



## Standard Pattern Elbows and Tees

- Size range 1" - 12"
- Designed to provide minimal pressure drop and uniform strength
- 300 PSI rating
- Standard Pattern Fittings
- Reducing, Cross, 45 and 22 available
- Painted or Galvanized Finishes

FP7050S (Gruvlok Part Number)  
FP7060S (Gruvlok Part Number)



## Short Pattern Elbows and Tees

- 2" - 8"
- 300 PSI Rating
- Short Pattern Fitting System
- CAD design increases internal diameters and provides superior flow capabilities
- Painted or Galvanized Finishes

FP7450 & FP7460 (Gruvlok Part Numbers)  
SE-1 & ST-1 (SPF Anvil Part Numbers)



## Grooved End Caps

- 1" - 12",
- 500 PSI Rating
- Used with all of Anvil's grooved offerings; Gruvlok, SlideLok and SPF Couplings

K-9 Drain Cap (Gruvlok Part Number)  
SK-1 (SPF Part Number)



## Drain Elbows

- 1-1/4" - 8", Painted or Galvanized
- 300 PSI
- Wet or Dry Systems
- Pre-Lubricated Grade "E" EPDM, Type A Gasket

7050DR (Gruvlok Part Number)  
E-9 (SPF Part Number)

## Grooved Fittings/Flanges (continued)



### Elbow

- Allow for convenient connection of drains, vents, pressure gauges as well as direct connection of an end of line sprinkler head
- 300 PSI

SE-5 (Anvil Part Number)

### Threaded Branch Tee

- Steel electro-plated u-bolt to save space and allow easy installation in confined places
- Ideal for direct connection to sprinkler heads
- Available 1¼" x ½" - 2½" x 1"
- 300 PSI

MT-1, THREADED FPT BRANCH AND  
MT-2, GROOVED BRANCH  
(SPF Anvil Part Numbers)



### Mechanical Tees

- Quick and easy outlet installation at any location along the pipe without welding
- 7045 and 7046, 500 PSI
- MT-1 and MT-2, 300 PSI
- Branch or Cross connection

7045 CLAMP-T, FPT BRANCH AND  
7046FP CLAMP-T, GROOVED BRANCH  
(Gruvlok Part Numbers)



### Grooved Flange Adapter

- Allows direct connection of class 125 or class 150 flange
- 2" - 12", Painted or galvanized
- 300 PSI
- Steel adapter insert available

FP7012 (Gruvlok Part Number)  
F-3 (SPF Anvil Part Number)

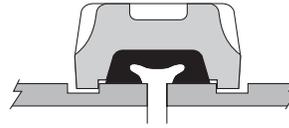
# Gasket Guides

We offer a variety of pressure responsive gasket styles. Each serves a specific function while utilizing the same basic sealing concept.

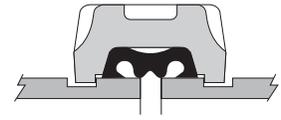


## 1. "C" STYLE

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.



1 "C" STYLE



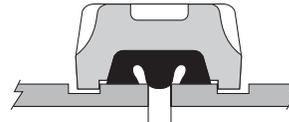
2 FLUSH GAP®

## 2. FLUSH GAP

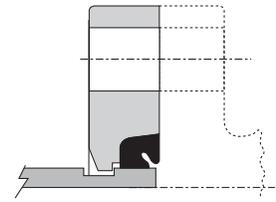
Designed to prohibit contaminants from building up in the gasket cavity. The centering rib fits flush over the gap between the two pipe ends thus closing off the gasket cavity. For use in dry fire protection systems.

## 3. SLIDELOK® PRESSURE RESPONSIVE

SlideLOK gasket patent pending design easily slides over the grooved pipe end for quick installation. The gasket design provides a 360° consistent compression seal when fully installed. The internal ribs are design to prohibit contaminants from building in the gasket cavity by engaging individually with each pipe end. Performance of the gasket is equivalent to the Gruvlok Flush Gap Gasket.



3 SLIDELOK® PRESSURE RESPONSIVE



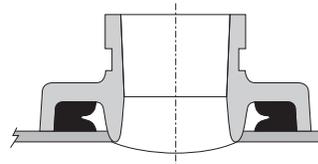
4 FLANGE

## 4. FLANGE

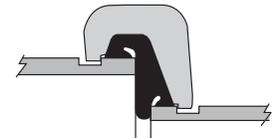
A specially designed gasket for the Fig. 7012 and 7013 Flange provides for a reliable seal on both the pipe and the mating flange.

## 5. 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.



5 CLAMP-T®



6 REDUCING COUPLING

## 6. 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.

### FIRE PROTECTION GASKET GRADE INDEX

| Grade                | Temperature Range                    | Compound       | Color Code | General Service Application  |
|----------------------|--------------------------------------|----------------|------------|--|
| <b>E</b><br>(TYPE A) | -40°F to +150°F<br>(-40°C to 66°C)   | Pre-Lubricated | Violet     | Wet & Dry (oil free air) Pipe in Fire Protection Systems. For dry pipe systems, Gruvlok Xtreme™ Temperature Lubricant is required.   |
| <b>E</b>             | -40°F to +230°F<br>(-40°C to 110°C)  | EPDM           | Green      | Water, dilute acids, alkalies, salts, and many chemical services not involving hydrocarbons, oils, or gases. Excellent oxidation resistance. NOT FOR USE WITH HYDROCARBONS |
| <b>L</b>             | -40°F to +350°F<br>(-40°C to +177°C) | Silicone       | Red        | Recommended for dry, hot air and some high temperature chemical services. "C" Style only.  |

# Flexible Sprinkler Hoses

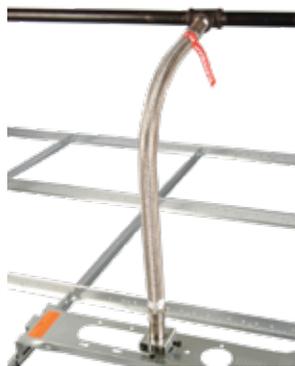


The original inventor of the flexible sprinkler hose. FlexHead products connect sprinkler heads to your sprinkler system at least four times faster than hard pipe and they provide even greater savings in retrofits and tenant improvements.

Whether your next application is commercial, industrial, cleanroom, or institutional, FlexHead can save you time and money by offering reliable, efficient, and environmentally responsible products.

FlexHead is the only flexible sprinkler hose brand that:

- Has undergone full-scale sprinkler head deployment testing
- Has been seismically qualified for use in Seismic Design Categories D, E, & F
- Is a fully welded 304 stainless steel design from inlet to outlet; no need for o-rings or gaskets
- Is 100% leak tested prior to shipment



## Standard Hose

- UL Listed 3" Bend Radius
- UL & FM Listed for 175psi
- 24" to 72" Hose Lengths
- 1/2" & 3/4" Outlets
- Straight and Elbow drops
- Efficient flow characteristics
- Center-of-tile installation
- Adjustable sprinkler height
- Installation with suspended ceilings, dry wall, and more



## Superflex Hose

- UL Listed 2" Bend Radius
- UL & FM Listed for 175psi
- 36" to 72" Hose Lengths
- 1/2" & 3/4" Outlets
- 1" NPT or grooved SLT inlet
- Easy to verify bend radius
- Adjustable sprinkler height
- Confined space 6 3/4" clearance
- Installation with suspended ceilings, dry wall, and more



## Dry Pendent Hose

- Suitable for wet sprinkler systems with a dry pendent sprinkler head
- Mounts on the top of freezer or sidewall
- Moves and flexes along with the structure protecting the integrity of the freezer seal
- Available with a Drain Tee
- 1" NPT Inlet and Outlet
- 24" to 72" Hose Lengths



## Cleanroom Hose

- Custom manufactured for "walkable" cleanroom ceiling systems in Class 100 cleanrooms
- One-piece stainless steel assembly
- Accommodates for independent motion of the ceiling grid due to vibration & seismic activity
- Eliminates potential leaks and protecting gel seals
- Eliminates ceiling stress/leaks due to miss-aligned hard-pipe installation



## 1 1/4" Full Flow Hose

- Best flow characteristics in the industry
- 36" to 72" Hose Lengths
- 1/2" & 3/4", & 1" Outlets
- 1 1/4" NPT or cut grooved inlet



## Adjustable Open Hub Bracket (ADO)

- 16", 24", 30", & 48" Options
- Installation with suspended ceilings, dry wall, wood frames, steel studs, and more
- Adjustable open hub allows for easy positioning at any interval

# Flexible Sprinkler Hoses



## Institutional Hose

- Installation in concrete walls or ceiling penetrations
- 24" to 72" Hose Lengths
- 1/2" & 3/4" Outlets
- Easy installation in tight spaces
- Available with UHO-3 Universal Open Hub Bracket



## Universal Open Hub Bracket (UHO-3)

- Easily mounts directly to structure
- Can be installed with 3/8" or 1/2" threaded rod
- 3/8" rod FM approved up to 4ft
- 1/2" rod FM approved up to 6ft
- Ideal for shell applications
- Temporarily supports a flexible sprinkler hose until the suspended ceiling is installed



## Armstrong® TechZone™ Bracket

- Compatible with the Armstrong® TechZone™ suspended ceiling systems
- Allows for rapid installation or relocation of sprinkler heads in suspended ceilings



## Duct Hose

- Compensates for the independent movement of the duct relative to the sprinkler system
- Allows for quick and easy inspection of sprinkler heads (No inspection port required)
- 1/2" & 3/4", & 1" outlets and available with pre-installed heads
- Square and round duct options
- Available in Stainless, FRP, Polypropylene, and PVC



## Low Profile Hose

- Attach to structure and to the hose with Anvil-Strut™ and a pipe clamp
- Ideal for limited space applications
- 24" to 72" Hose Lengths
- 1/2" & 3/4" Outlets



## Multi-Position Tall Bracket (MPT)

- Superior height allows the MPT to be mounted without pre-installing the ceiling tile
- 24" standard length easily adjusts 16" or 14 1/4"
- Installation with suspended ceilings, dry wall, wood frames, steel studs, and more
- Adjustable open hub allows for easy positioning at the 1/4 points



## Drop Nipple Hose

- Attach to structure and to the hose with Anvil-Strut™ and a pipe clamp
- Ideal for installation to concrete
- Drop nipple & reducer not included
- 24" to 72" Hose Lengths
- 1" NPT Outlet



## Flexible Pipe (FFP)

- Ideal for connecting misaligned system pipes
- Ideal for mitigating vibration in a piping system
- 2" to 4" pipe
- 24" and 48" lengths
- 8" Bend Radius
- Up to 300 PSI
- Grooved or SLT options available
- 1 1/4" NPT or cut grooved inlet

# Flexible Sprinkler Hoses



## Ultra SPRINKFLEX® Hose

- Fully braided 3-piece modular design for versatile installation
- Multiple sizes of 1/2" & 3/4" reducing drops and elbows
- Threaded, grooved, and welded 1" inlets
- UL Listed 2" Bend Radius
- 27" to 71" Hose Lengths
- Easy to verify bend radius
- Adjustable sprinkler height
- Installation with suspended ceilings, dry wall, and more



## SPRINKFLEX® Hose

- Braided and non-braided 3-piece design
- Multiple sizes of 1/2" & 3/4" reducing drops and elbows
- 27" to 71" Hose Lengths



## Infinite Position Bracket (IPT)

- Superior height allows the IPT to be mounted without pre-installing the ceiling tile
- 24" and 48" lengths
- Installation with suspended ceilings, dry wall, wood frames, steel studs, and more
- Adjustable open hub allows for easy positioning at any interval

# Sprinkler Standpipe Assessories



A complete range of specialized product solutions and accessories for fire protection systems, from standpipes to signage.

## Standpipe Hose Valves & Equipment



## Gauges & Accessories



## Brass Trim Valves & Accessories



## Hoses, Sprinkler Escutcheons & Accessories



## Sprinkler Signage & Decals



## Test & Drain Valve



## Fire Department Connections



## Sealants and Lubricants



# Seismic Braces



Afcon® seismic swivels and clamps are designed to provide seismic bracing in fire protection systems, offering industry-leading prying factors allowing support of greater design loads in concrete and reduction of bracing required. Available with 1/2", 5/8" and 3/4" fastener holes for flexibility with a variety of anchor sizes, and featuring break away set screws that provide visual indication of proper install.

- Proudly Made in the U.S.A.
- Service 1" - 12" system pipe
- Fits 1" - 2" brace pipe
- Break away set screws and nuts
- Supported by Seis Brace® software



**AF086**  
Adjustable Structural  
Brace Attachment



**AF087**  
Structural Brace  
Attachment



**AF772**  
Adjustable Steel  
Beam Attachment



**AF778**  
Universal Structural  
Brace Attachment



**AF075**  
Sway Brace  
Swivel Attachment



**AF076**  
Universal Swivel  
Sway Brace Attachment



**AF771**  
Sway Brace  
Swivel Attachment



**AF775**  
Structural Brace  
Attachment



**AF777**  
Swivel  
Attachment



**AF001**  
Model Q Sway  
Brace Clamp



**AF035**  
Model K Sway  
Brace Clamp



**AF310**  
Surge  
Restrainer



**AF773**  
Surge  
Restrainer



**AF700**  
Universal Swivel  
Attachment



**AF730**  
Longitudinal & Lateral  
Seismic Clamp

# Seis Brace® for Fire Protection Design



Design smarter with Seis Brace® Software

## Features:

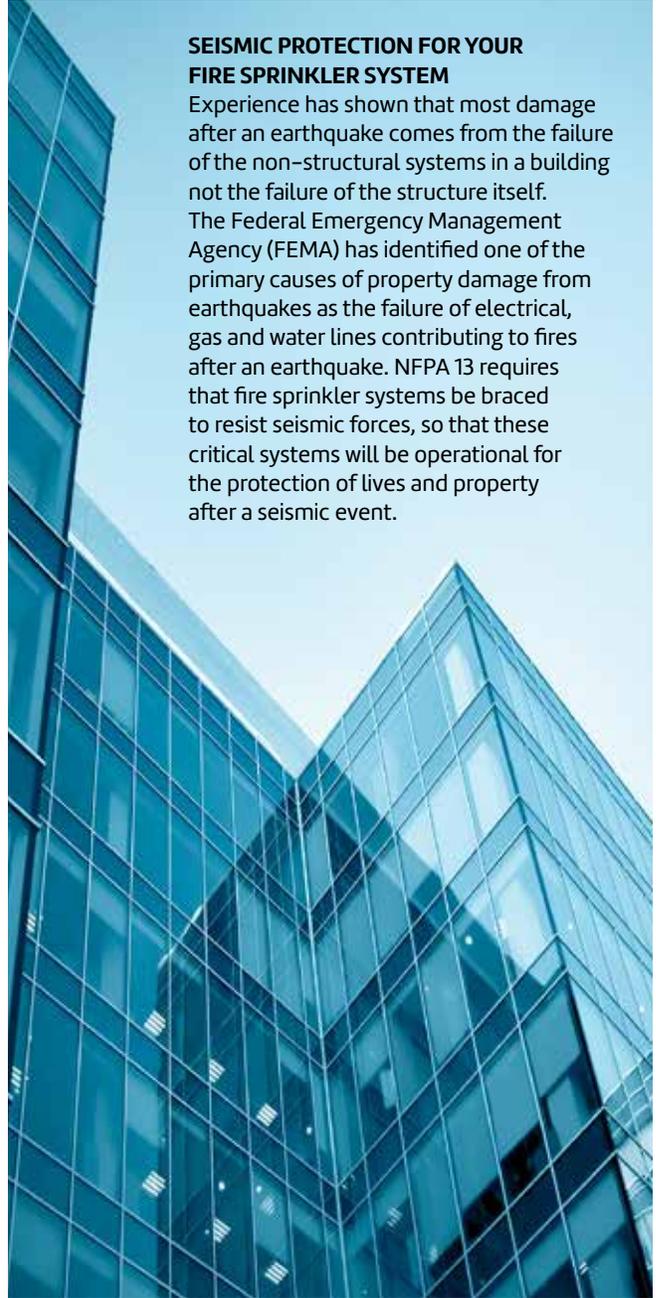
- Designed to calculate the zone of influence for a given sway brace location.
- Intuitive and self-correcting to assure proper design of brace assemblies
- Generates full submittal package with calculations, details and product data pages
- Allows application of ASCE 7, per NFPA 13, for the most efficient brace layout
- Free with online registration
- Specify FM or UL Listed Components
- Includes concrete anchor loads calculated with Anvil product prying factors

[www.seisbrace.com](http://www.seisbrace.com)



## SEISMIC PROTECTION FOR YOUR FIRE SPRINKLER SYSTEM

Experience has shown that most damage after an earthquake comes from the failure of the non-structural systems in a building not the failure of the structure itself. The Federal Emergency Management Agency (FEMA) has identified one of the primary causes of property damage from earthquakes as the failure of electrical, gas and water lines contributing to fires after an earthquake. NFPA 13 requires that fire sprinkler systems be braced to resist seismic forces, so that these critical systems will be operational for the protection of lives and property after a seismic event.





## Outlets & Drop Nipples



### Welded Outlets

The Weld-Miser Tee-Lets are designed and manufactured to reduce the amount of weld required for installation on thin wall and proprietary flow pipes.

UL Listed and FM Approved Female Threaded, Cut Grooved, and Roll Grooved solutions are available for 1/4"–4" outlets on 1 1/4"–8" run sizes.

### 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



### Welded Outlets

UL Listed and FM Approved Female Threaded and Cut Grooved solutions are available for 1/2"–2" outlets on 1 1/4"–8" run sizes.



### Welded Outlets

The COOPLET weld outlets are precision cut to perfectly fit the run pipe during the welding process.

UL Listed and FM Approved Female Threaded and Cut Grooved solutions are available for 1/2"–4" outlets on 1"–8" run sizes.

# Valves

Compact, cost effective valves

Designed for use in grooved-end pipe fire protection systems and related equipment.



**FIG. AN7722-3A**

**Grooved Butterfly Valve**

- 2" - 10", 300 PSI rating
- Valve features double-seal disc design
- Resilient EPDM coating
- Stems 416 stainless steel
- Supervisory service and auxiliary switches rated for 0.5 amp at 125 VDC, 0.25 amp at 250 VDC, and 4 amps at 125 VAC



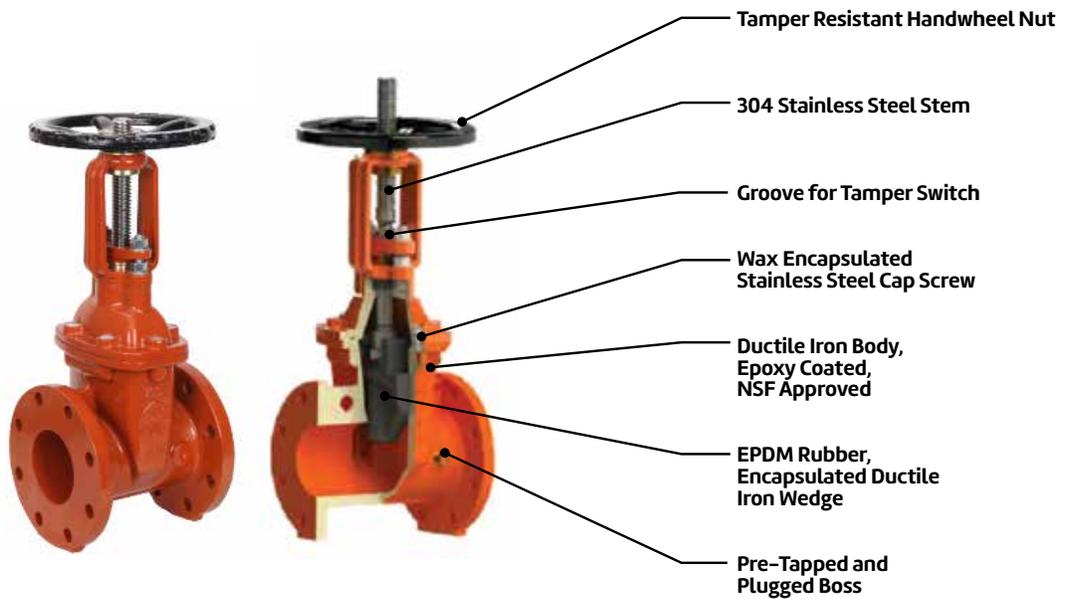
**FIG. 78FP**

**Grooved Check Valve**

- 2" - 12", 300 PSI rating
- Quick, non-slam closure
- Leak free seal



## Resilient Wedge Gate Valves



## 67CV-A Grooved Swing Check Valve

- SCI Brand for full traceability
- Designed for use in wet pipe systems
- For vertical\* or horizontal installation
- 300 psi working pressure
- EPDM or Nitrile seal ring
- Lead-free bronze seat
- Groove dimensions to AWWA C-606
- Fusion bonded epoxy coated interior & exterior
- Color - Black



\* Upward flow only

| Pipe Size<br>Inch [mm] | Part Number    |               | Weight<br>lb. [kg] |
|------------------------|----------------|---------------|--------------------|
|                        | 67CVE-A - EPDM | 67CVN-A - NBR |                    |
| 2 [50]                 | 67CVE3020A     | 67CVN3020A    | 5.9 [2.7]          |
| 2-1/2 [65]             | 67CVE3024A     | 67CVN3024A    | 8.1 [3.7]          |
| 3 [80]                 | 67CVE3030A     | 67CVN3030A    | 10.6 [4.8]         |
| 4 [100]                | 67CVE3040A     | 67CVN3040A    | 17.4 [7.9]         |
| 5 [125]                | 67CVE3050A     | 67CVN3050A    | 32.0 [14.5]        |
| 6 [150]                | 67CVE3060A     | 67CVN3060A    | 36.5 [16.6]        |
| 8 [200]                | 67CVE3080A     | 67CVN3080A    | 60.4 [27.4]        |
| 10 [250]               | 67CVE3100A     | 67CVN3100A    | 134.0 [60.7]       |
| 12 [300]               | 67CVE3120A     | 67CVN3120A    | 194.0 [88.0]       |

## Series 35FW UL/FM AWWA Resilient Wedge OS&Y Gate Valve, Flanged

- Sizes: 2-1/2" - 12"
- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- Grooved stem for tamper switch
- Pre-tapped and plugged for bypass with additional bosses
- SCI Brand for full traceability



| Inch [mm]  | Part Number | Weight (lb.) |
|------------|-------------|--------------|
| 2-1/2 [65] | 017135FW024 | 39           |
| 3 [80]     | 017135FW030 | 51           |
| 4 [100]    | 017135FW040 | 71           |
| 6 [150]    | 017135FW060 | 117          |
| 8 [200]    | 017135FW080 | 201          |
| 10 [250]   | 017135FW100 | 296          |
| 12 [300]   | 017135FW120 | 440          |

## Series 35FGW UL/FM AWWA Resilient Wedge OS&T Gate Valve, Flanged & Grooved

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Grooved dimensions meet AWWA C-606
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- Grooved stem for tamper switch
- Tapped and plugged for bypass with additional bosses
- SCI Brand for full traceability



| Inch [mm] | Part Number  | Weight (lb.) |
|-----------|--------------|--------------|
| 4 [100]   | 017135FGW040 | 61           |
| 6 [150]   | 017135FGW060 | 104          |
| 8 [200]   | 017135FGW080 | 181          |

## Series 35GW UL/FM AWWA Resilient Wedge OS&T Gate Valve, Grooved

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- 304 Stainless Steel stem
- EPDM rubber encapsulated ductile iron wedge
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating AWWA C550
- Grooved dimensions meet AWWA C-606
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- Grooved stem for tamper switch
- Pre-Tapped and plugged for bypass with additional bosses
- SCI Brand for full traceability



| Inch [mm] | Part Number | Weight (lb.) |
|-----------|-------------|--------------|
| 4 [100]   | 017135GW040 | 53           |
| 6 [150]   | 017135GW060 | 91           |
| 8 [200]   | 017135GW080 | 162          |

## Series 15FN

### UL/FM AWWA Resilient Wedge NRS Gate Valve, Flanged – Op Nut

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCI Brand for full traceability



| Inch [mm]  | Part Number | Weight (lb.) |
|------------|-------------|--------------|
| 2 [50]     | 017115FN020 | 29           |
| 2-1/2 [65] | 017115FN024 | 35           |
| 3 [80]     | 017115FN030 | 47           |
| 4 [100]    | 017115FN040 | 65           |
| 6 [150]    | 017115FN060 | 108          |
| 8 [200]    | 017115FN080 | 180          |
| 10 [250]   | 017115FN100 | 251          |
| 12 [300]   | 017115FN120 | 400          |

## Series 15MN

### UL/FM AWWA Resilient Wedge NRS Gate Valve, Mechanical Joint – Op Nut

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCI Brand for full traceability



| Inch [mm] | Part Number | Weight (lb.) |
|-----------|-------------|--------------|
| 3 [80]    | 017115MN030 | 46           |
| 4 [100]   | 017115MN040 | 62           |
| 6 [150]   | 017115MN060 | 103          |
| 8 [200]   | 017115MN080 | 175          |
| 10 [250]  | 017115MN100 | 270          |
| 12 [300]  | 017115MN120 | 404          |

## Series 15GW

### UL/FM AWWA Resilient Wedge NRS Gate Valve, Grooved End

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Grooved dimensions meet AWWA C-606
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCI Brand for full traceability



| Inch [mm] | Part Number | Weight (lb.) |
|-----------|-------------|--------------|
| 4 [100]   | 017115FN040 | 46           |
| 6 [150]   | 017115FN060 | 65           |
| 8 [200]   | 017115FN080 | 180          |

**Series 25FN**  
**UL/FM AWWA Resilient Wedge**  
**NRS Gate Valve, Flanged with Top Plate**

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCI Brand for full traceability



| Inch [mm] | Part Number | Weight (lb.) |
|-----------|-------------|--------------|
| 4 [100]   | 017125FN040 | 79           |
| 6 [150]   | 017125FN060 | 119          |
| 8 [200]   | 017125FN080 | 189          |
| 10 [250]  | 017125FN100 | 258          |
| 12 [300]  | 017125FN120 | 369          |

**Series 25MN**  
**UL/FM AWWA Resilient Wedge**  
**NRS Gate Valve, MJ with Top Plate**

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCI Brand for full traceability



| Inch [mm] | Part Number | Weight (lb.) |
|-----------|-------------|--------------|
| 4 [100]   | 017125MN040 | 78           |
| 6 [150]   | 017125MN060 | 120          |
| 8 [200]   | 017125MN080 | 191          |
| 10 [250]  | 017125MN100 | 286          |
| 12 [300]  | 017125MN120 | 419          |

**Series 25Post**  
**UL/FM AWWA Indicator Post, Vertical**

- Adjustable from 36" to 72"
- Cast iron body
- Stainless Steel Op Nut
- Fusion bonded epoxy coating
- UL Listed / FM Approved
- SCI Brand for full traceability



| Inch    | Part Number  | Weight (lb.) |
|---------|--------------|--------------|
| 36 - 72 | 017125P13672 | 220          |

**Series 25WP**  
**UL/FM AWWA Indicator Post, Wall**

- Cast iron body
- Stainless Steel Op Nut
- Fusion bonded epoxy coating
- UL Listed / FM Approved
- SCI Brand for full traceability



| Inch | Part Number | Weight (lb.) |
|------|-------------|--------------|
| ---  | 017125WP    | 90           |

**Fig, 67CVR-A**  
**UL/FM Grooved Riser Check Valve**

- Designed for use in wet pipe fire sprinkler systems
- Factory NPT tapped and plugged for drain and guage connections
- Gauge connections: 1/2" NPT
- For vertical or horizontal installation
- 300 psi working pressure
- EPDM coated disc; bronze seat
- Groove dimensions to AWWA C-606
- Fusion bonded epoxy coated interior & exterior
- Color: Red
- UL Listed / FM Approved





KENNEDY VALVE

ASC Engineered Solutions is the master distributor of **Kennedy Valves**.



**UL/FM Resilient Wedge Gate Valves Rubber Encapsulated Wedge**

| <b>Non-Rising Stem</b>        |                         | AWWA C515 [C509: 2-1/2" & 3"] |                 |                |  |
|-------------------------------|-------------------------|-------------------------------|-----------------|----------------|--|
| NRS                           | Flanged                 | Series 5000                   | 350 psi (UL/FM) |                | Available with & without a post plate                    |
| NRS                           | Flanged                 | Series 7000                   | 200 psi (UL/FM) | 250 psi (AWWA) | Available with & without a post plate                    |
| NRS                           | Grooved                 | Series 7000                   | 200 psi (UL/FM) | 250 psi (AWWA) | Available with & without a post plate                    |
| NRS                           | Mechanical Joint (MJ)   | Series 5000                   | 350 psi (UL/FM) |                | Available with & without a post plate                    |
| NRS                           | Mechanical Joint (MJ)   | Series 7000                   | 200 psi (UL/FM) | 250 psi (AWWA) | Available with & without a post plate                    |
| NRS                           | Flange x Groove         | Series 7000                   | 200 psi (UL/FM) | 250 psi (AWWA) | Available with & without a post plate                    |
| NRS                           | Flange x MJ             | Series 5000                   | 350 psi (UL/FM) |                | Available with & without a post plate                    |
| NRS                           | Flange x MJ             | Series 7000                   | 200 psi (UL/FM) | 250 psi (AWWA) | Available with & without a post plate                    |
| NRS                           | Threaded (3" only)      | Series 7000                   | 200 psi (UL/FM) | 250 psi (AWWA) | Available with & without a post plate                    |
| <b>Outside Screw and Yoke</b> |                         | AWWA C515 [C509: 2-1/2" & 3"] |                 |                |  |
| OS&Y                          | Flanged                 | Series 5000                   | 350 psi (UL/FM) |                | Available with & without factory installed tamper switch |
| OS&Y                          | Flanged                 | Series 7000                   | 200 psi (UL/FM) | 250 psi (AWWA) | Available with & without factory installed tamper switch |
| OS&Y                          | Grooved                 | Series 5000                   | 350 psi (UL/FM) |                | Available with & without factory installed tamper switch |
| OS&Y                          | Grooved                 | Series 7000                   | 200 psi (UL/FM) | 250 psi (AWWA) | Available with & without factory installed tamper switch |
| OS&Y                          | Flange x Groove         | Series 5000                   | 350 psi (UL/FM) |                | Available with & without factory installed tamper switch |
| OS&Y                          | Flange x Groove         | Series 7000                   | 200 psi (UL/FM) | 250 psi (AWWA) | Available with & without factory installed tamper switch |
| OS&Y                          | Threaded                | Series 7000                   | 200 psi (UL/FM) | 250 psi (AWWA) | Available with & without factory installed tamper switch |
|                               |                         | AWWA C509                     |                 |                |  |
| OS&Y                          | Threaded (2" & 3" only) | Series 8000                   | 200 psi (UL/FM) |                | Available with & without factory installed tamper switch |
| OS&Y                          | Flanged                 | Series 8000                   | 200 psi (UL/FM) |                | Available with & without factory installed tamper switch |



KENNEDY VALVE

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**UL/FM Butterfly Valves**

**Rubber Encapsulated Disc**

|         |                           |         |                                |
|---------|---------------------------|---------|--------------------------------|
|         | Series KVG300C            | 300 psi | Normally Closed                |
| Grooved | Series KVG300E [8" KV02G] | 300 psi | Extended Body, Normally Open   |
|         | Series KVG300EC           | 300 psi | Extended Body, Normally Closed |
| Wafer   | KVW300 [8" KV01W]         | 300 psi | Normally Open                  |
|         | KVW300C                   | 300 psi | Normally Closed                |



**UL/FM Check Valves**

**Rubber Seated**

|         |              |         |                           |
|---------|--------------|---------|---------------------------|
| Flanged | KV1126A      | 175 psi | Swing Check Valve         |
| Wafer   | Series KV806 | 300 psi | Wafer, Spring Check Valve |



**UL/FM Indicator Posts**

|          |                |                       |
|----------|----------------|-----------------------|
| Vertical | Series KV2945A | Four Adjustable Sizes |
| Wall     | Series KV2945W |                       |

## Fabrication Equipment

We're a manufacturer of fabrication equipment, including automatic welders, plasma cut-off equipment, hole cutting equipment, make-on machines and pipe threaders.



### Welders

- Universal Welder, Line Welder, Manual Station Welder and Plasma cutting hole system
- Cycle time to cut hole and weld outlet onto pipe is approximately 32 seconds for 1/2" outlets and 55 seconds for 2-1/2" outlets
- Programmable system to weld Merit outlets and be programmed for other outlets
- Cutting



### Cutting

- Quick Cut Machine Designed to cut 2" - 8" pipe sizes and up to 25' long using complete air plasma system
- Big Cut Machine Designed to cut 2" - 16" pipe sizes and up to 25' long using complete air plasma system
- Thread Line



### Thread Line

- Make On Machine makes on 1" - 2" fittings with no operator adjustments with a switch control to easily change between cast, ductile and malleable fittings



### Grooving

- Roll Groover complete with groove and drive rolls for 2" - 12" steel pipe, Steel/CTS Dual Guide Roll ASSE



### Auto Saw Machine

- Auto Saw Machine is a complete cutting equipment system for small sizes 1/2" - 2" pipe, fabrication machine utilizes a cold saw.

# Digital Design Solutions

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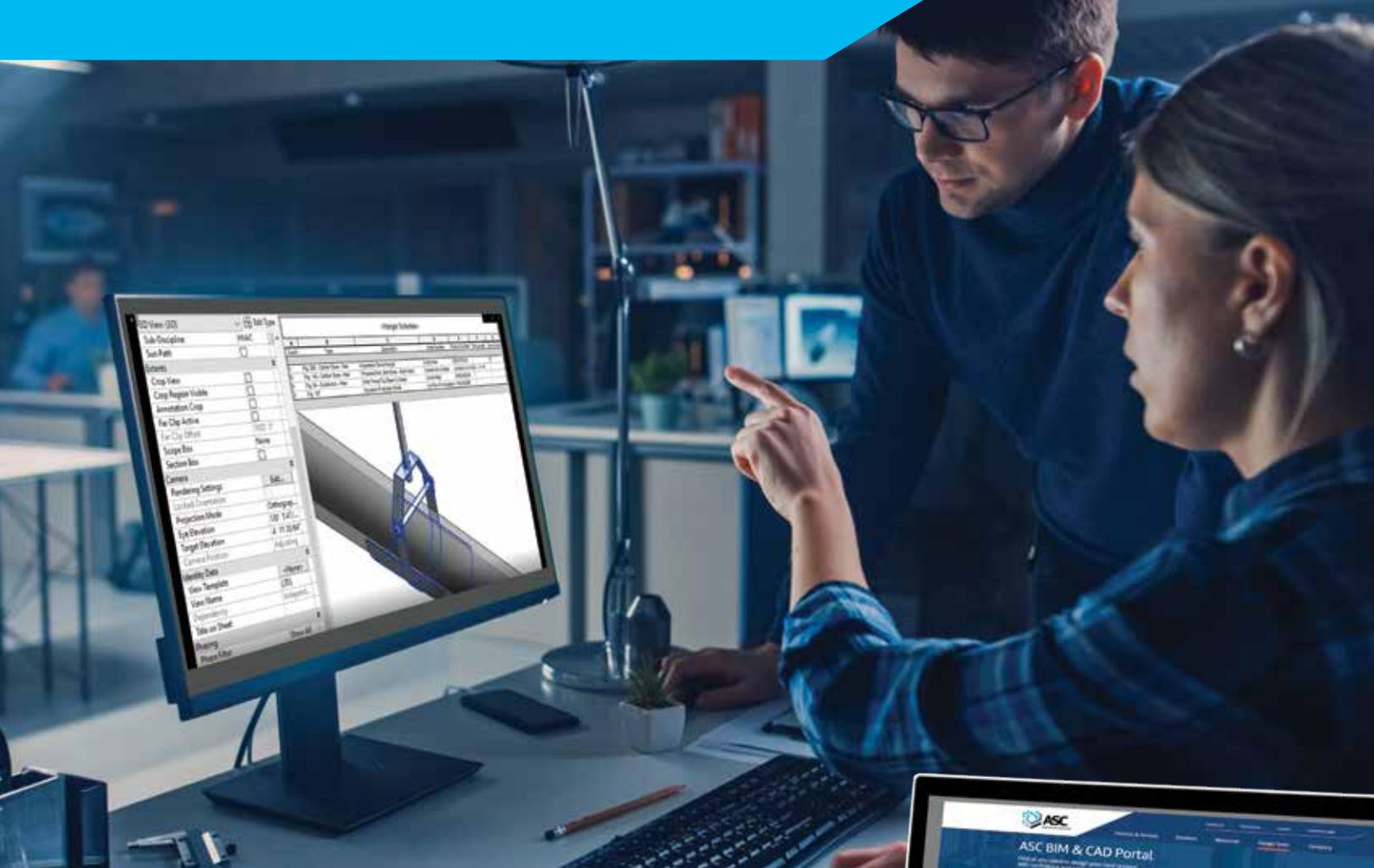
- Save labor and material costs

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- Simplified tagging, scheduling, and spool sheet creation

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## BIM & CAD Content Library

Our complete BIM & CAD design file library is available for download at [www.asc-es.com/bim-portal](http://www.asc-es.com/bim-portal) and it's always free.

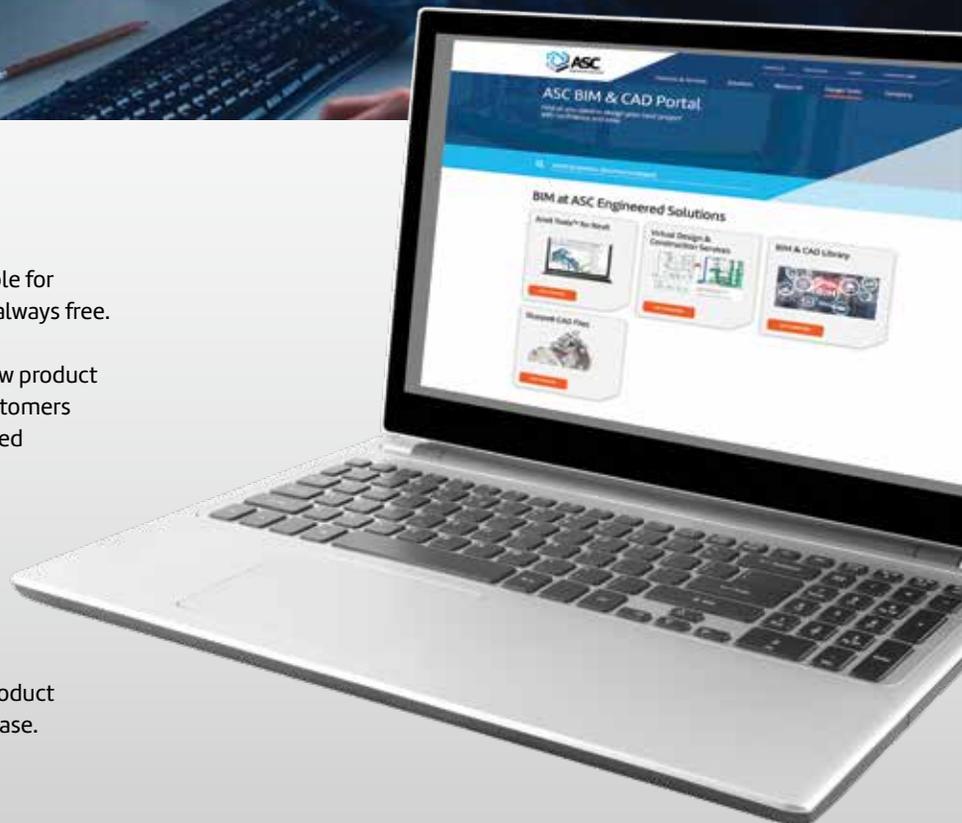
We are constantly expanding our content, adding new product lines to the library each quarter and enabling our customers to digitally design using ASC products in their preferred BIM software program.

File formats available include:

- Revit® families
- 2D & 3D CAD files
- Fabrication content components (.ITM files)

Our BIM and CAD files contain complete, detailed product data that allows you to design with confidence and ease. They're customizable so they integrate into your designs seamlessly.

**We are committed to providing digital design solutions that allow our customers to design smarter and build better.**







“ The unmatched range of domestic & globally sourced products for Fire Protection piping systems offered by **ACS Engineered Solutions** provides versatile and dependable performance for a wide range of applications. ”

### **About ASC Engineered Solutions**

ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



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