

# GENERAL CATALOG

Effective March 2019







# CELEBRATING 100 YEARS OF INNOVATION

The story behind Victaulic's current standing as a global market leader is rich with historical significance and important technological advancements. Throughout its innovative history, the company's enthusiasm for crafting unconventional solutions has allowed it to forge new paths as it continues to tackle the industry's most unique challenges.

Victaulic customers have always been able to stand on the company's commitment to quality and excellence. On behalf of Victaulic's owners, board of directors and former and current associates, Victaulic looks forward to serving you for many years to come.





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since 1919

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# CONTINUING EDUCATION

Victaulic® offers a wide variety of continuing education courses. From one-hour seminars to full-day events, these courses provide education on key industry concepts and Victaulic solutions. Continuing education courses are created for owners, engineers, contractors, the inspection community, and anyone seeking to expand their knowledge of Victaulic and the industry surrounding the grooved pipe joining and flow control markets.

For more information on the Victaulic continuing education courses or to schedule your training, please contact your local sales representative or email us at: [VictaulicUniversity@victaulic.com](mailto:VictaulicUniversity@victaulic.com)



**CONTINUING  
EDUCATION**





# VDC

# VIRTUAL & DESIGN & CONSTRUCTION

Drawing, BIM coordination, training and software solutions for the commercial construction industry. [Victaulic.com/resource-software](http://victaulic.com/resource-software) offers an extensive library of CAD files and software product content created in each software's native platform.

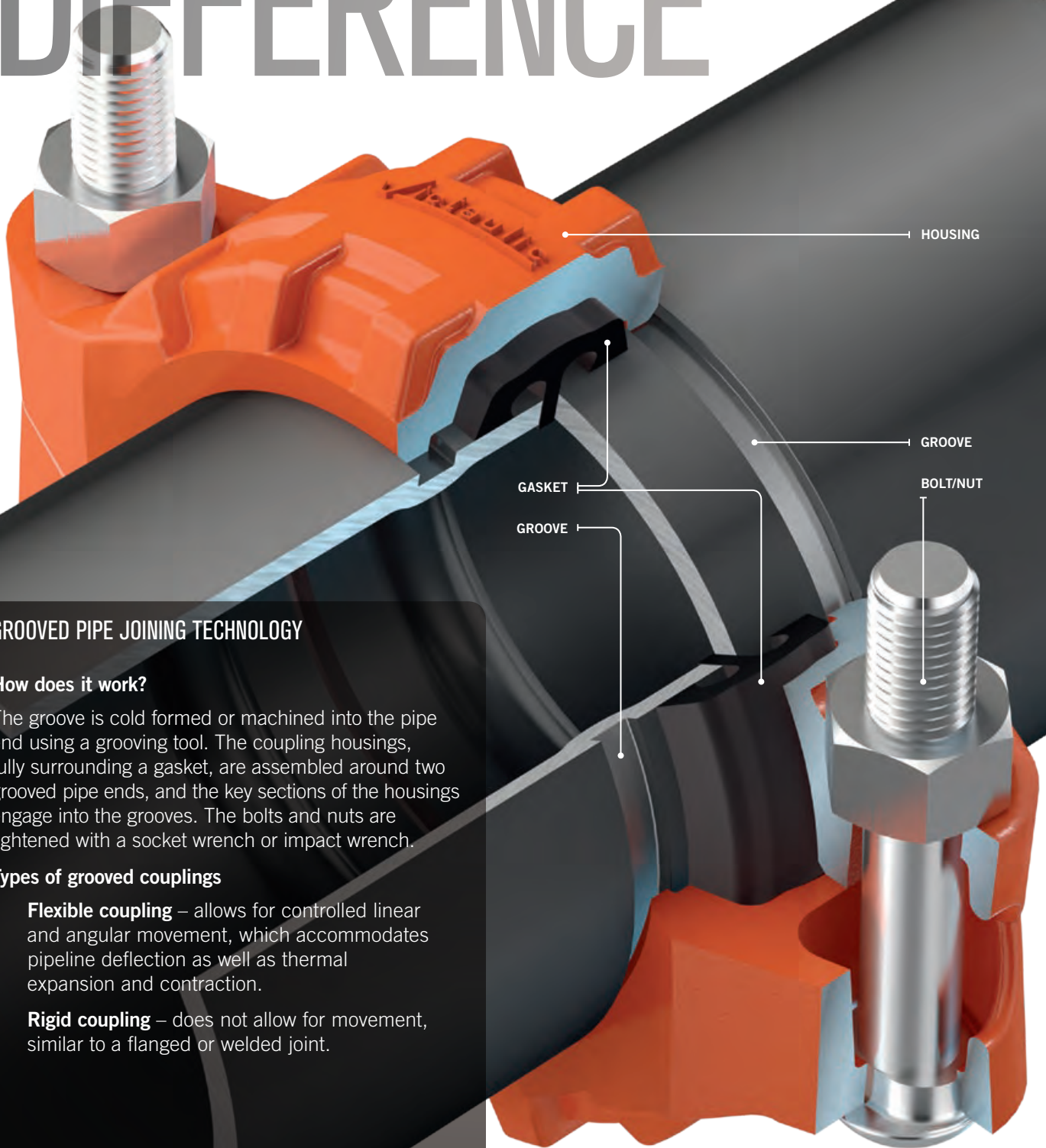
## FASTER FROM THE START<sup>SM</sup>

Victaulic Tools for Revit<sup>®</sup> provides an intuitive set of tools that are purposely built to improve pipe routing and fabrication functionality in Autodesk Revit. It's specifically designed to meet the needs of engineers, contractors and pipe fabricators – giving you smarter tools to fabricate faster and route more efficiently. [victaulicsoftware.com](http://victaulicsoftware.com)





# THE VICTAULIC® DIFFERENCE



## GROOVED PIPE JOINING TECHNOLOGY

### How does it work?

The groove is cold formed or machined into the pipe end using a grooving tool. The coupling housings, fully surrounding a gasket, are assembled around two grooved pipe ends, and the key sections of the housings engage into the grooves. The bolts and nuts are tightened with a socket wrench or impact wrench.

### Types of grooved couplings

- **Flexible coupling** – allows for controlled linear and angular movement, which accommodates pipeline deflection as well as thermal expansion and contraction.
- **Rigid coupling** – does not allow for movement, similar to a flanged or welded joint.



At the core of all of the benefits that Victaulic® solutions bring to a project – such as productivity, safety, design flexibility and quality – are the unique features of our products.

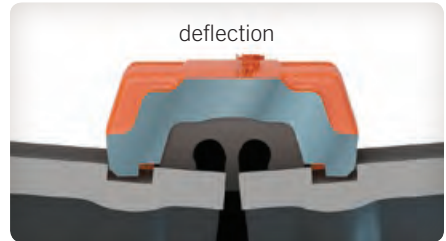
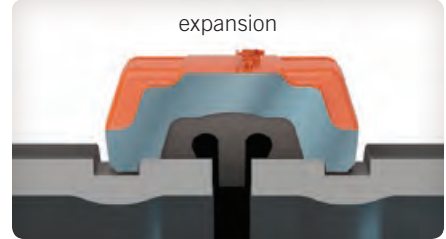
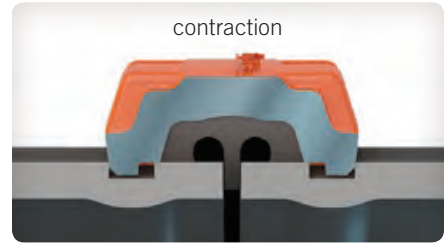
**VICTAULIC GROOVED END PIPING SYSTEMS PROVIDE:**



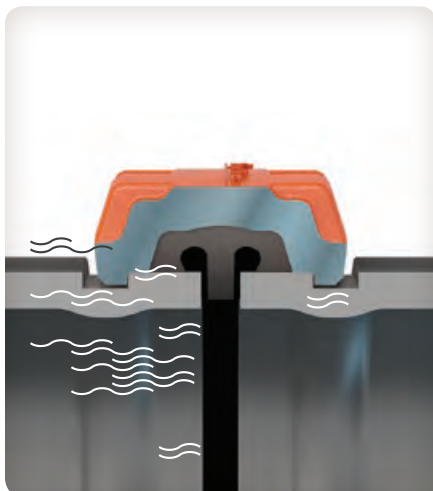
**Easy system maintenance and expansion** – through simple coupling disassembly that allows for easy access.



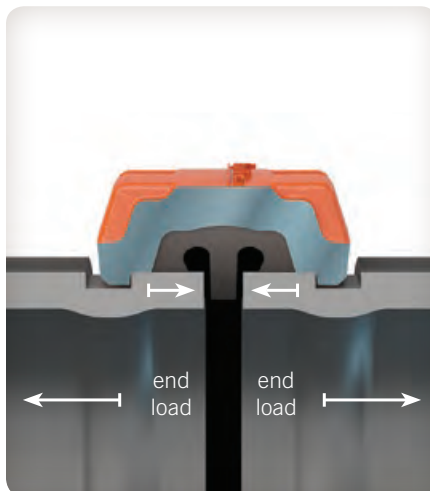
**Alignment ease** – through a design that allows for full rotation of the pipe and system components before tightening.



**Flexibility** – with the inherent axial movement and deflection properties of flexible couplings in a groove system. May be used to accommodate pipeline thermal expansion and contraction, misalignment and settlement, and seismic stresses.



**Noise and vibration attenuation** – by isolating the transference of vibration at each joint.



**Self restrained pipe joints** – couplings engage the pipe grooves to hold the pipes against full pressure thrust loads without the need of supplemental restraints.



**Rigidity** – with an angled bolt pad design that provides positive clamping of the pipe to resist torsional and flexural loads.



## Original Groove System (OGS)




















The Victaulic® grooved piping system is the most versatile, economical, and reliable piping system available. Up to three times faster to install than a welded system, and more dependable than a threaded or flanged assembly, the Victaulic approach reduces risk and total installed cost. The system is designed for roll grooved or cut grooved standard pipe or roll grooved light wall pipe. Also, pipe end preparation is fast and easy. It can be done on the job site or in the shop with a variety of *Victaulic* grooving tools.

With the introduction of *Victaulic* Installation-Ready™ technology, the original groove system has evolved to a new level. Grooved couplings featuring this patented *Victaulic* technology install ten times faster than other pipe joining methods. Why is it different? Prior to *Victaulic* Installation-Ready technology, grooved coupling assembly

consisted of disassembling the coupling by removing the bolts and nuts, removing the gasket, fitting the gasket over the gap between two grooved pipe ends, positioning the housings around the gasket, and tightening down the bolts and nuts. Couplings featuring *Installation-Ready* technology come pre-assembled and are simply pushed onto a grooved pipe end, joined by a second grooved pipe end, and then the bolts and nuts are tightened down. What previously required minutes, now takes only seconds.











[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings






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

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## Original Groove System (OGS)

INSTALLATION-  
READY™

## QuickVic™ Rigid Coupling

STYLE 107N

[Download publication 06.23](#) for complete information

- Angled bolt pad housing design provides rigidity
- Sizes from 2–12" | DN50–DN300
- Pressures up to 750 psi | 5171 kPa | 52 bar
- [Download publication 17.01](#) for applications in stainless steel systems
- [Download publication 21.04](#) for applications in aluminum systems

## Certifications/Listings:


[Download publication 10.01](#) for Fire Protection Certifications/Listings
INSTALLATION-  
READY™

## QuickVic™ Flexible Coupling

STYLE 177N

[Download publication 06.24](#) for complete information

- Flexible pipe joint which allows for expansion, contraction and deflection
- Sizes from 2–8" | DN50–DN200
- Pressures up to 1000 psi | 6895 kPa | 69 bar
- [Download publication 17.01](#) for applications in stainless steel systems
- [Download publication 21.04](#) for applications in aluminum systems
- [Download publication 32.01](#) for applications in PVC systems

## Certifications/Listings:


[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Zero-Flex™ Rigid Coupling

STYLE 07

[Download publication 06.02](#) for complete information

- Angled bolt pad housing design provides rigidity
- Sizes from 1–12" | DN25–DN300
- Pressures up to 750 psi | 5171 kPa | 52 bar
- For sizes 14–50" | DN350–DN1250, [download publication 20.02](#) for information on AGS Style W07

## Certifications/Listings:


[Download publication 10.01](#) for Fire Protection Certifications/Listings



## Flexible Coupling

STYLE 77

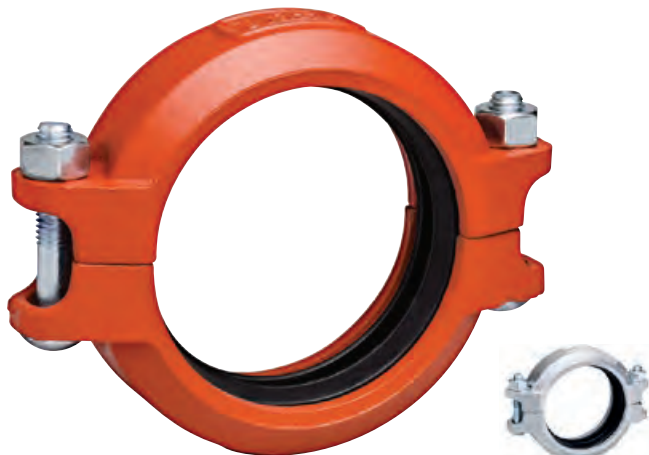
[Download publication 06.04](#) for complete information

- Flexible pipe joint which allows for expansion, contraction and deflection
- Sizes from 3/4 – 24" | DN20 – DN600
- Pressures up to 1000 psi | 6895 kPa | 69 bar
- For sizes 14 – 78" | DN350 – DN1950, [download publication 20.03](#) for information on AGS Style W77
- [Download publication 32.01](#) for applications in PVC systems
- [Download publication 21.01](#) for information on Style 77A for applications in aluminum systems

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



## Flexible Coupling

STYLE 75

[Download publication 06.05](#) for complete information

- Lightweight coupling for moderate pressures
- Flexible pipe joint which allows for expansion, contraction and deflection
- Sizes from 1 – 8" | DN25 – DN200
- Pressures up to 500 psi | 3447 kPa | 34 bar
- [Download publication 32.01](#) for applications in PVC systems

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



## Reducing Coupling

STYLE 750

[Download publication 06.08](#) for complete information

- Replaces two couplings and a reducing fitting
- Sizes from 2 – 10" | DN50 – DN250
- Pressures up to 500 psi | 3447 kPa | 34 bar

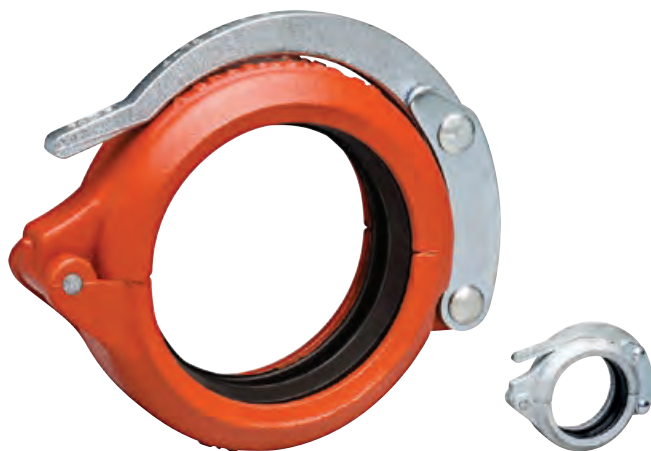
### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



## Original Groove System (OGS)



## Certifications/Listings:



## Snap-Joint™ Coupling

## STYLE 78

[Download publication 06.09](#) for complete information

- Designed for quick disconnect service
- Sizes from 1–8" | DN25–DN200
- Pressures up to 300 psi | 2068 kPa | 21 bar
- [Download publication 32.01](#) for applications in PVC systems
- [Download publication 21.02](#) for information on Style 78A for applications in aluminum systems



## Certifications/Listings:



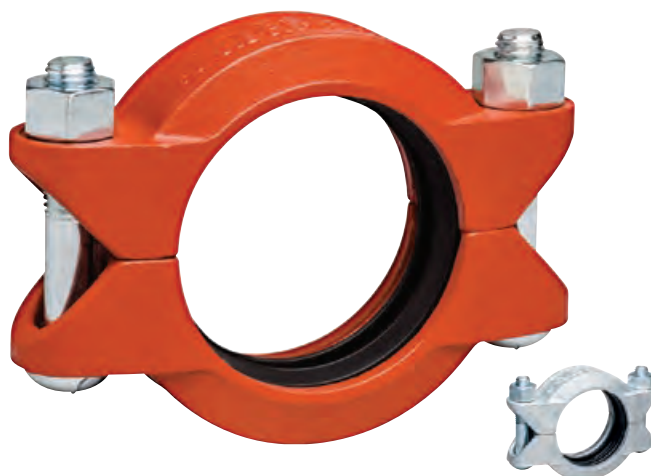
[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Vic-Boltless Coupling and Tool

## STYLE 791 COUPLING AND 792 TOOL

[Download publication 06.11](#) for complete information

- Provides a secure, tamper resistant, low profile joint
- Installed only with Victaulic® Style 792 tool
- Sizes from 2–8" | DN50–DN200
- Pressures up to 700 psi | 4826 kPa | 48 bar
- [Download publication 32.01](#) for applications in PVC systems



## Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## High Pressure Rigid Coupling

## STYLE HP-70

[Download publication 06.12](#) for complete information

- Heavy housing for high pressure service
- Sizes from 2–16" | DN50–DN400
- Pressures up to 1000 psi | 6895 kPa | 69 bar



## Vic-Ring Coupling

### STYLE 41

[Download publication 16.04](#) for complete information

- Provided with a variety of ring options to maintain full pipe wall thickness for abrasive systems
- Sizes from 30–66" | DN750–DN1650
- Pressures up to 90 psi | 621 kPa | 6 bar
- For AGS *Vic-Ring* products, see pg. 33
- Regional availability, contact [Victaulic](#) for details



## Vic-Ring Coupling

### STYLE 44

[Download publication 16.05](#) for complete information

- Provided with a variety of ring options to maintain full pipe wall thickness for abrasive systems
- Sizes from 4–60" | DN100–DN1500
- Pressures up to 175 psi | 1207 kPa | 12 bar
- For AGS *Vic-Ring* products, see pg. 33
- Regional availability, contact [Victaulic](#) for details



## Original Groove System (OGS)



## Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Vic-Flange Adapter

## STYLE 741

[Download publication 06.06](#) for complete information

- ANSI Class 125 and 150, Australian Standard Table E, and PN10/16 flanges
- Sizes from 2–24" | DN50–DN600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.04](#) for information on AGS Style W741
- [Download publication 32.01](#) for applications in PVC systems



## Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Vic-Flange Adapter

## STYLE 743

[Download publication 06.06](#) for complete information

- ANSI Class 300 flanges
- Sizes from 2–12" | DN50–DN300
- Pressures up to 720 psi | 4964 kPa | 50 bar
- [Download publication 32.01](#) for applications in PVC systems



## Fittings

[Download publication 07.01](#) for complete information on original grooved end fittings for carbon steel pipe

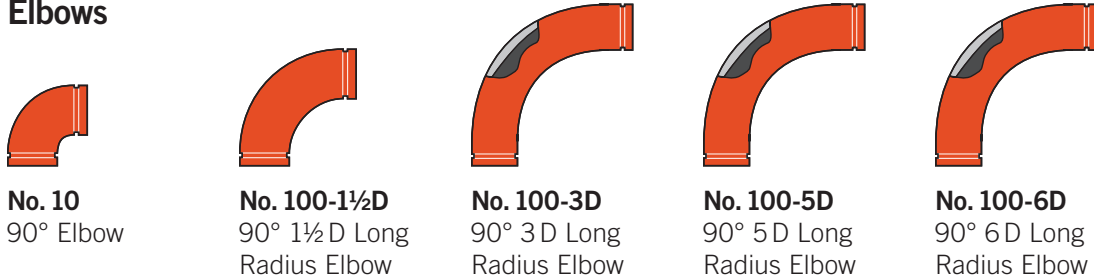
- Standard fitting pressure ratings conform to ratings of installed coupling
- All fittings supplied with grooves or shoulders for fast installation
- Fittings available from ¾–24" | DN20–DN600
- For AGS sizes 14–60" | DN350–DN1500, [download publication 20.05](#) for complete information

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

### Elbows



**No. 10**  
90° Elbow

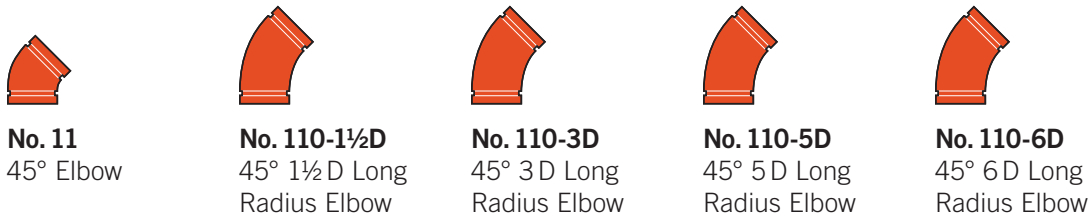
**No. 100-1½D**  
90° 1½ D Long  
Radius Elbow

**No. 100-3D**  
90° 3 D Long  
Radius Elbow

**No. 100-5D**  
90° 5 D Long  
Radius Elbow

**No. 100-6D**  
90° 6 D Long  
Radius Elbow

For 3D, 5D and 6D long radius bends, [download publication 07.02](#)



**No. 11**  
45° Elbow

**No. 110-1½D**  
45° 1½ D Long  
Radius Elbow

**No. 110-3D**  
45° 3 D Long  
Radius Elbow

**No. 110-5D**  
45° 5 D Long  
Radius Elbow

**No. 110-6D**  
45° 6 D Long  
Radius Elbow

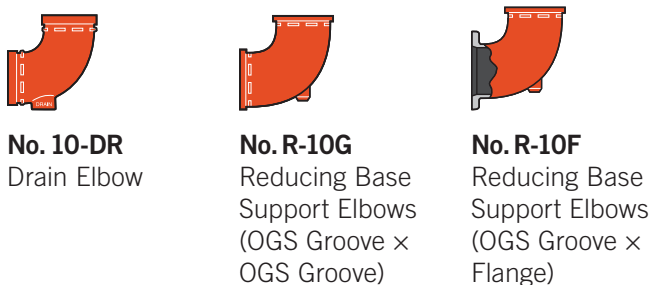


**No. 12**  
22½° Elbow

**No. 13**  
11¼° Elbow

**No. 18**  
90° Adapter  
Elbows

**No. 19**  
45° Adapter  
Elbows



**No. 10-DR**  
Drain Elbow

**No. R-10G**  
Reducing Base  
Support Elbows  
(OGS Groove x  
OGS Groove)

**No. R-10F**  
Reducing Base  
Support Elbows  
(OGS Groove x  
Flange)



For coating options, [download publication 07.01](#)



## Original Groove System (OGS)



## Fittings

[Download publication 07.01](#) for complete information on original grooved end fittings for carbon steel pipe

- Standard fitting pressure ratings conform to ratings of installed coupling
- All fittings supplied with grooves or shoulders for fast installation
- Fittings available from ¾–24" | DN20–DN600
- For AGS sizes 14–60" | DN350–DN1500, [download publication 20.05](#) for complete information

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

### Tees, Crosses, Wyes, and Laterals



**No. 20**  
Tee



**No. 25**  
Grooved Branch  
Reducing Tee



**No. 29M**  
Tee with  
Threaded Branch



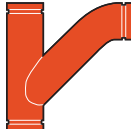
**No. 29T**  
Threaded Branch  
Reducing Tee



**No. 30**  
45° Lateral



**No. 30-R**  
45° Reducing  
Lateral



**No. 32**  
Tee Wye



**No. 32-R**  
Reducing  
Tee Wye



**No. 33**  
True Wye



**No. 35**  
Cross



## Fittings

[Download publication 07.01](#) for complete information on original grooved end fittings for carbon steel pipe

- Standard fitting pressure ratings conform to ratings of installed coupling
- All fittings supplied with grooves or shoulders for fast installation
- Fittings available from ¾–24" | DN20–DN600
- For AGS sizes 14–60" | DN350–DN1500, [download publication 20.05](#) for complete information

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Adapters, Nipples, Caps and Plugs



**No. 40**  
Adapter Nipple  
(OGS Groove x Thread)



**No. 41**  
ANSI Class 125  
Flanged Adapter  
Nipple



**No. 41-DN**  
PN10/16  
Flanged Adapter  
Nipple



**No. 42**  
Adapter Nipple  
(OGS Groove x Bevel)



**No. 43**  
Adapter Nipple  
(OGS Groove x OGS Groove)



**No. 45F**  
ANSI Class 150  
Flat Face  
Flanged Adapter  
Nipple



**No. 45R**  
ANSI Class 150  
Raised Face  
Flanged Adapter  
Nipple



**No. 45RE**  
PN10/16 Raised  
Face Flanged  
Adapter Nipple



**No. 46F**  
ANSI Class 300  
Flat Face  
Flanged Adapter  
Nipple



**No. 46R**  
ANSI Class 300  
Raised Face  
Flanged Adapter  
Nipple



**No. 48**  
Hose Nipple



**No. 50**  
Concentric  
Reducer



**No. 51**  
Eccentric  
Reducer



**No. 52**  
Small Threaded  
Reducer



**No. 53**  
Swaged Nipple  
(OGS Groove x OGS Groove)



**No. 54**  
Swaged Nipple  
(OGS Groove x Thread)



**No. 55**  
Swaged Nipple  
(Thread x OGS Groove)



**No. 60**  
Cap



**No. 61**  
Bull Plug



**No. 80**  
Female  
Threaded  
Adapter



## Original Groove System (OGS)



### *Mover* Expansion Joint

STYLE 150

[Download publication 09.04](#) for complete information

- Slip-type expansion joint providing up to 3" | 76 mm axial end movement
- Sizes from 2–6" | DN50–DN150
- Pressures up to 350 psi | 2413 kPa | 24 bar



### Expansion Joint

STYLE 155

[Download publication 09.05](#) for complete information

- Combination of grooved flexible couplings and short nipples, joined in tandem to provide increased expansion
- Style 155 grooved expansion joints are rated to the working pressure of the coupling used
- Sizes from ¾–12" | DN20–DN300
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.12](#) for information on Style W155



## Vic-300™ MasterSeal™ Butterfly Valve

SERIES 761

[Download publication 08.20](#) for complete information

- Designed for bi-directional, dead end services to full working pressure
- Available without handle, with gear operator, with lever lock handle and memory stop, or with 10-position handle and memory stop
- Multiple seat and disc material options available
- Sizes from 2–12" | DN50–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.06](#) for information on Series W761

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



## Butterfly Valve

SERIES 700

[Download publication 08.05](#) for complete information

- Two-piece stem permits narrow disc design for low pressure drop performance
- Supplied standard with aluminum bronze disc, 316 stainless steel optional
- Sizes from 1½–6" | DN40–DN150
- Pressures up to 200 psi | 1379 kPa | 14 bar

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



## Original Groove System (OGS)



## High Pressure *Vic-Check* Valve

SERIES 716H

[Download publication 08.08](#) for complete information

- Features a stainless steel disc which seats against the o-ring seal, when mounted on the electroless nickel plated face
- Sizes from 2–3" | DN50–DN80
- Pressures up to 365 psi | 2517 kPa | 25 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.08](#) for information on Series W715

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



## *Vic-Check* Valve

SERIES 716

[Download publication 08.08](#) for complete information

- Features an elastomer encapsulated disc and a welded in nickel seat
- Sizes from 2½–12" | 73.0 mm–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.08](#) for information on Series W715

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



## Venturi Check Valve

SERIES 779

[Download publication 08.10](#) for complete information

- Check valve with integrated venturi with pressure taps for accurate measurement (flow measuring kit for differential pressure gauges/meters available)
- Sizes from 4–12" | DN100–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



## Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Swing Check Valve

SERIES 712

[Download publication 08.11](#) for complete information

- Designed for use with Victaulic® grooved fittings and couplings for fast installation on inlet and outlet ports
- Large access bonnet for easy maintenance
- Available with internal coating for corrosive services
- Sizes from 2–4" | DN50–DN100
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For more information on swing check valves for stainless steel, see pg. 63
- Regional availability, contact [Victaulic](#) for details



## Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Swing Check Valve

SERIES 713

[Download publication 08.54](#) for complete information

- High pressure check valve designed for use with *Victaulic* grooved fittings and couplings for fast installation on inlet and outlet ports
- Large access bonnet for easy maintenance
- Available with internal coating for corrosive services
- Sizes from 2–4" | DN50–DN100
- Pressures up to 1000 psi | 6895 kPa | 69 bar
- Regional availability, contact [Victaulic](#) for details



## Vic-Ball Valve

SERIES 721

[Download publication 08.14](#) for complete information

- Floating ball with standard port, reduces torque requirements
- Sizes from 4–6" | DN100–DN150
- Pressures up to 800 psi | 5515 kPa | 55 bar

## Original Groove System (OGS)

**Vic-Ball Valve**

SERIES 726

[Download publication 08.23](#) for complete information

- High pressure standard port NACE-compliant ball valve
- Available without handle, with a lever operator, or a gear operator
- Sizes from 1½–6" | DN40–DN150
- Pressures up to 1000 psi | 6895 kPa | 69 bar

## Certifications/Listings:


[Download publication 10.01](#) for Fire Protection Certifications/Listings
**Ball Valve**

SERIES 727

[Download publication 08.42](#) for complete information

- High pressure enhanced port NACE-compliant ball valve
- Up to ⅓ better flow than competitive standard port ball valves
- Floating ball with standard port, reduces torque requirements
- Sizes from 2–6" | DN50–DN150
- Pressures up to 1500 psi | 10342 kPa | 103 bar

**Brass Body Ball Valve — Threaded**

SERIES 722

[Download publication 08.15](#) for complete information

- Standard port, female threaded end valve constructed from forged brass
- Sizes from ¼–2" | DN8–DN50
- Pressures up to 600 psi | 4137 kPa | 41 bar

## Certifications/Listings:


[Download publication 10.01](#) for Fire Protection Certifications/Listings





## Vic-Plug Valve

SERIES 377

[Download publication 08.12](#) for complete information

- Only eccentric grooved end plug valve made specifically for throttling services
- Available without handle, with lever operator or gear operator
- Sizes from 3–12" | DN80–DN300
- Pressures up to 175 psi | 1207 kPa | 12 bar



## Delta-Y Valve Assembly

STYLE DLY

[Download publication 07.08](#) for complete information

- Assembles with Style 107N rigid couplings, Series 761 Vic-300™ MasterSeal™ butterfly valves, and cast fittings
- Ideal for bulk cement/barite systems commonly found on offshore drilling platforms
- Sizes from 5–6" | 141.3 mm–DN150
- Pressures up to 300 psi | 2068 kPa | 21 bar



## Knife Gate Valve

SERIES 795

[Download publication 08.25](#) for complete information

- Designed for fluid lines containing solids and abrasive materials
- All wear parts can be replaced in-line without removing the valve from the pipeline
- Utilizes Installation-Ready™ technology to eliminate loose parts
- Manual, hydraulic, pneumatic, and electric actuation available
- Sizes from 3–12" | DN80–DN300
- Pressures up to 150psi | 1035 kPa | 10 bar

Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Original Groove System (OGS)



### Certifications/Listings:

This product is not agency listed for fire protection service.

[Download publication 10.92](#) for fire service products.

## OS&Y Gate Valve

SERIES 771M

[Download publication 08.45](#) for complete information

- Available as groove × groove or groove × flange
- For On/Off service only
- Sizes from 2½–12" | 73.0mm–DN300
- Pressures up to 250 psi | 1724 kPa | 17 bar



## Three Port Diverter

SERIES 723

[Download publication 08.13](#) for complete information

- NACE MR-01-75 compliant, three-port ball valve with common bottom inlet for diverting flow 90° left or right
- Available without handle, with lever operator or gear operator
- Available in 2" | DN50
- Pressures up to 600 psi | 4137 kPa | 41 bar



### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Diverter Valve

SERIES 725S

[Download publication 08.41](#) for complete information

- Intended for backfill and flush water diversion in backfill mining operations
- May be operated under pressure to dump backfill in the event of a blockage
- Stainless steel wetted surfaces
- Manual, hydraulic, pneumatic, and electric actuation available
- Available in 4–8" | DN100–DN200
- Pressures up to 1500 psi | 10342 kPa | 103 bar



## Hydraulic Control Valve

BERMAD SERIES 100 | VICTAULIC® SERIES 910

[Download publication Engineering 100](#) for complete information

- Hydraulic control valves are devices capable of controlling variables such as pressure, flow, or level
- Optional configurations include: on/off, pressure reducing, pressure relief, pressure sustaining, and flow control (customized solutions can include combinations of the above functions)
- Sizes from 1½–6" | DN40–DN150
- Pressures up to 145 psi | 1000 kPa | 10 bar
- Regional availability, contact [Victaulic](#) for details



## Hydraulic Control Valve

BERMAD SERIES 700 | VICTAULIC® SERIES 970

[Download publication Engineering 700](#) for complete information

- Hydraulic control valves are devices capable of controlling variables such as pressure, flow, or level
- Optional configurations include: on/off, pressure reducing, pressure relief, pressure sustaining, and flow control (customized solutions can include combinations of the above functions)
- Sizes from 1½–48" | DN40–DN1200
- Pressures up to 400 psi | 2758 kPa | 28 bar
- Regional availability, contact [Victaulic](#) for details



## Hydraulic Control Valve

BERMAD SERIES 800 | VICTAULIC® SERIES 980

[Download publication Engineering 800](#) for complete information

- Hydraulic control valves are devices capable of controlling variables such as pressure, flow, or level
- Optional configurations include: on/off, pressure reducing, pressure relief, pressure sustaining, and flow control (customized solutions can include combinations of the above functions)
- Sizes from 1½–20" | DN40–DN500
- Pressures up to 600 psi | 4137 kPa | 41 bar
- Regional availability, contact [Victaulic](#) for details



## Original Groove System (OGS)



## Automatic Air Release Valve

BERMAD SERIES A30 | VICTAULIC® SERIES 9A3

[Download publication Engineering A30](#)  
for complete information

- Automatic air release valves allow efficient release of air bubbles from pressurized pipelines
- Body material: Glass reinforced nylon
- Sizes from  $\frac{3}{4}$ –1" | DN20–DN25
- Pressures up to 230 psi | 1586 kPa | 16 bar
- Temperatures up to 140°F | 60°C
- Regional availability, contact [Victaulic](#) for details



## Automatic Air Release Valve

BERMAD SERIES A71 | VICTAULIC® SERIES 9A7

[Download publication Engineering A71](#)  
for complete information

- Automatic air release valves allow efficient release of air bubbles from pressurized pipelines
- Body material: Type 316 stainless steel
- Sizes from  $\frac{3}{4}$ –1" | DN20–DN25
- Pressures up to 350 psi | 2413 kPa | 24 bar
- Temperatures up to 140°F | 60°C
- Regional availability, contact [Victaulic](#) for details



## Combination Air Valve

BERMAD SERIES C30 | VICTAULIC® SERIES 9C3

[Download publication Engineering C30](#)  
for complete information

- Combination air release valves release air bubbles from pressurized pipelines (air release valve), while evacuating air during pipeline filling and draining (air/vacuum valve)
- Body material: Glass reinforced nylon
- Sizes from  $\frac{3}{4}$ –1" | DN20–DN25
- Pressures up to 230 psi | 1586 kPa | 16 bar
- Temperatures up to 140°F | 60°C
- Regional availability, contact [Victaulic](#) for details



## Combination Air Valve

BERMAD SERIES C50 | VICTAULIC® SERIES 9C5

[Download publication Engineering C50](#)  
for complete information

- Combination air release valves release air bubbles from pressurized pipelines (air release valve), while evacuating air during pipeline filling and draining (air/vacuum valve)
- Body material: Glass reinforced nylon
- Sizes from 2–4" | DN50–DN100
- Pressures up to 150 psi | 1034 kPa | 10 bar
- Temperatures up to 140°F | 60°C
- Regional availability, contact [Victaulic](#) for details



## Combination Air Valve

BERMAD SERIES C70 | VICTAULIC® SERIES 9C7

[Download publication Engineering C70](#)  
for complete information

- Combination air release valves release air bubbles from pressurized pipelines (air release valve), while evacuating air during pipeline filling and draining (air/vacuum valve)
- Body material: Ductile iron (standard)
- Sizes from 2–8" | DN50–DN200
- Pressures up to 580 psi | 3999 kPa | 40 bar
- Temperatures up to 140°F | 60°C
- Regional availability, contact [Victaulic](#) for details

## Original Groove System (OGS)



## Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Suction Diffuser

## SERIES 731-D

[Download publication 09.20](#) for complete information

- Allows building up at a 90° angle from the pump, saving valuable space in the mechanical room while still protecting the pump against cavitation
- Available flanged connections: ANSI Class 150, Australian Standard Table E, PN10/16, GB, and JIS 10K
- Sizes from 3–12" | DN80–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.20](#) for information on Series W731-D



## Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Vic-Strainer Tee Type

## SERIES 730

[Download publication 09.02](#) for complete information

- Lighter than flanged Y-type strainers and provides straight-through flow for lower pressure drop
- Sizes from 1½–12" | DN40–DN300
- Pressures up to 750 psi | 5171 kPa | 52 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.11](#) for information on Series W730



## Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Vic-Strainer Wye Type

## SERIES 732

[Download publication 09.03](#) for complete information

- Provides straight-through flow for lower pressure drop
- Sizes from 2–12" | DN50–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Available in limited sizes for air handling units
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.19](#) for information on Series W732





## Vic-Header

No. 26

[Download publication 07.11](#) for complete information

- An outlet header for any mechanical room application
- Available with Victaulic® OGS and AGS grooved ends
- Sizes from ¾–24" | DN20–DN600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

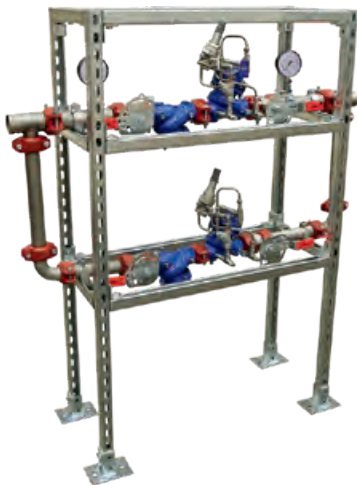


## Vibration Isolation Air Handling Unit Drop

SERIES 385

[Download publication 102.15](#) for complete information

- Provides hook-ups for isolation, straining, balancing and draining
- Swing joint solves misaligned coil challenges
- Single and double supply and return configurations
- Sizes from 2×2" through 6×4" | DN50×DN50 through DN150×DN100
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



## Pressure Reducing Valve Station

SERIES 386

[Download publication 102.16](#) for complete information

- Reduces and controls potable water system pressure to specified safe levels, independent of upstream pressure and flow variations
- Six standard configurations to accommodate various system flow rates, pressure reduction ratios, redundancy, and pressure safety options
- Sizes from 2×1½" through 6×2" | DN50×DN40 through DN150×DN50
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

### Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

## Original Groove System (OGS)



## Inlet Vibration Isolation Pump Drop

- Includes flow control, vibration-controlling flexible couplings, access ports for gauges and thermowells, and an integral flanged or grooved end pump connection
- Sizes from 3–12" | DN80–DN300
- Rated to the working pressure of the ANSI Class 150, PN10/16, Australian Table E or JIS 10K flange connection
- Regional availability, contact [Victaulic](#) for details

## Suction Diffuser Pump Drop

### Painted Carbon Steel Pipe

- **Series 381/381G**  
(North America)  
[Download publication 102.11](#)
- **Series 391**  
(Rest of World)  
[Download publication 102.21](#)
- **Series 331**  
(Hong Kong)  
[Download publication 102.31](#)



### Galvanized Carbon Steel Pipe

- **Series 331**  
(Hong Kong)  
[Download publication 102.31](#)
- **Series 334**  
(Taiwan)  
[Download publication 102.34](#)
- **Series 337**  
(Korea)  
[Download publication 102.37](#)



## Strainer Pump Drop

### Painted Carbon Steel Pipe (Vertical and Horizontal Installations)

- **Series 382/382G**  
(North America)  
[Download publication 102.12](#)
- **Series 392**  
(Rest of World)  
[Download publication 102.22](#)
- **Series 332**  
(Hong Kong)  
[Download publication 102.32](#)



### Galvanized Carbon Steel Pipe (Vertical and Horizontal Installations)

- **Series 332**  
(Hong Kong)  
[Download publication 102.32](#)





## Outlet Vibration Isolation Pump Drop

- Includes flow control, vibration-controlling flexible couplings, access ports for gauges and thermowells, and an integral flanged or grooved end pump connection
- Sizes from 3–12" | DN80–DN300
- Rated to the working pressure of the ANSI Class 150, PN10/16, Australian Table E or JIS 10K flange connection
- Regional availability, contact [Victaulic](#) for details

## Discharge Pump Drop

**Painted Carbon Steel Pipe**  
(Vertical and Horizontal Installations)

- **Series 380/380G**  
(North America)  
[Download publication 102.10](#)
- **Series 390**  
(Rest of World)  
[Download publication 102.22](#)
- **Series 330**  
(Hong Kong)  
[Download publication 102.30](#)



**Galvanized Carbon Steel Pipe**  
(Vertical Installations)

- **Series 330**  
(Hong Kong)  
[Download publication 102.30](#)
- **Series 333**  
(Taiwan)  
[Download publication 102.33](#)
- **Series 336**  
(Korea)  
[Download publication 102.36](#)



## Discharge Pump Drop with Balancing Valve

**Painted Carbon Steel Pipe**  
(Vertical and Horizontal Installations)

- **Series 383/383G**  
(North America)  
[Download publication 102.13](#)





## Original Groove System (OGS)



## EndSeal™ System

[Download publication 06.13](#) for STYLE HP-70ES coupling  
[Download publication 07.03](#) for ES fittings

- For plastic coated pipe or high pressure rigid systems
- Schedule 80 wall thickness for use with HP-70ES couplings
- Coupling sizes from 2–12" | DN50–DN300 and fitting sizes from 2–6" | DN50–DN150
- Pressures up to 2500 psi | 17237 kPa | 172 bar
- Regional availability, contact [Victaulic](#) for details



**No. 62ES**  
90° Elbow



**No. 63ES**  
45° Elbow



**No. 64ES**  
Tee



**No. 35ES**  
Cross



**No. 22ES**  
Header Tee





Certifications/Listings:



## High Pressure Double Grooved Coupling

STYLE 808

[Download publication 15.01](#) for complete information

- Double-bolted coupling for use with Schedule 80 or heavier steel pipe
- For installation on pipe ends with double cut grooves, [download publication 25.04](#) for complete information
- Sizes from 6–12" | DN150–DN300
- Pressures up to 4000 psi | 27579 kPa | 275 bar
- Regional availability, contact [Victaulic](#) for details



## High Pressure Ring Coupling

STYLE 809N

[Download publication 15.03](#) for complete information

- Designed for high pressure applications, hydraulic applications, and abrasive services
- Coupling engages directly onto restraint rings (supplied with coupling) welded to the O.D. of the pipe
- For schedule 80 or heavier carbon steel pipe
- Sizes from 4–10" | DN100–DN250
- Pressures up to 3000 psi | 20684 kPa | 206 bar



## Composite Flexible Coupling

STYLE 171

[Download publication 06.22](#) for complete information

- Flexible pipe joint which allows for expansion, contraction and deflection
- For corrosive applications such as reverse osmosis systems
- For use on Victaulic PVC pipe utilizing Victaulic OGS roll or cut groove profile
- Sizes from 1½–4" | DN40–DN100
- Pressures up to 150 psi | 1034 kPa | 10 bar
- For stainless steel and FRP applications, contact [Victaulic](#)

## Original Groove System (OGS)



## XL (Extended Life) System for Rubber-Lined Abrasive Services

[Download publication 07.07](#) for complete information

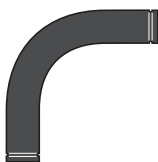
- 1½D and 3D elbows designed for ¼" | 6 mm extra lining resulting in up to three times the service life when compared to standard rubber-lined fittings
- Sizes from 3–12" | DN80–DN300
- Style XL77 flexible couplings for pipe-to-fitting connections
- Style XL79 flexible couplings for fitting-to-fitting connections



**No. XL100**  
**1½D**  
90° Elbow



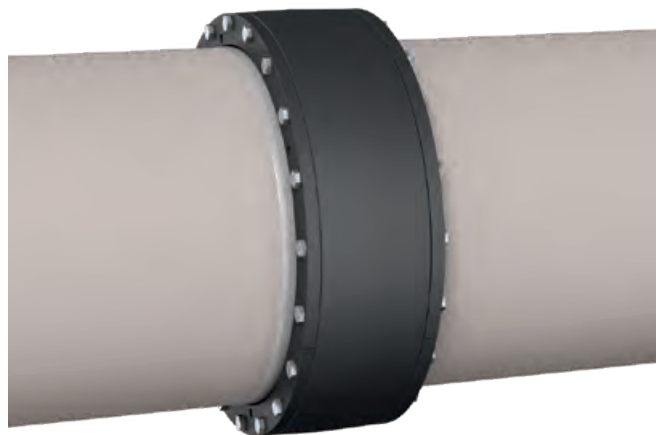
**No. XL110**  
**1½D**  
45° Elbow



**No. XL100**  
**3D**  
90° Elbow



**No. XL110**  
**3D**  
45° Elbow



## Expansion Joint Coupling

STYLE 152A

[Download publication 09.15](#) for complete information

- Large diameter coupling for pulverized coal/limestone lines with 4° of deflection capability
- Sizes from 10–30" | DN250–DN750, and 780 mm
- Pressures up to 50 psi | 345 kPa | 3 bar
- Regional availability, contact [Victaulic](#) for details





## Coupling for Fiberglass Reinforced Plastic Pipe

STYLE 296-A

[Download publication 90.01](#) for complete information

- Designed to create a rigid pipe joint without any special tools while maintaining existing support requirements
- Can be installed in any weather
- No curing time required
- Sizes from 1 – 12" | DN25 – DN300
- Pressures up to 150 psi | 1034 kPa | 10 bar



## Non-Restrained Flexible Coupling for Fiberglass Reinforced Plastic Pipe

STYLE 229S

[Download publication 60.16](#) for complete information

- Designed for FRP odor control piping systems
- Can be installed in any weather
- No curing time required
- Sizes from 6 – 54" | DN150 – DN1350
- Pressures up to 25 psi | 172 kPa | 1.7 bar

## Original Groove System (OGS)

The Victaulic® grooved aluminum system is the most versatile, economical, and reliable aluminum piping system available. Up to three times faster to install than a welded system, and more dependable than a threaded or flanged assembly, the Victaulic approach reduces risk and total installed cost. The *Victaulic* grooved aluminum system provides considerable weight savings and corrosion resistance.



## Flexible Aluminum Coupling

### STYLE 77A

[Download publication 21.01](#) for complete information

- Flexible pipe joint which allows for expansion, contraction and deflection
- Sizes from 1–12" | DN25–DN300
- Pressures up to 500 psi | 3447 kPa | 34 bar
- [Download publication 06.04](#) for information on Style 77 for applications in carbon steel systems



## Snap-Joint™ Aluminum Coupling

### STYLE 78A

[Download publication 21.02](#) for complete information

- Designed for quick disconnect service
- Sizes 2" | DN50 and 10" | DN250
- Pressures up to 300 psi | 2068 kPa | 21 bar
- [Download publication 06.09](#) for information on Style 78 for applications in carbon steel systems



# Aluminum Fittings

[Download publication 21.03](#) for complete information

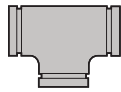
- Standard fitting pressure ratings conform to ratings of installed coupling
- Sizes from 1 – 8" | DN25–DN200



**No. 10-A**  
90° Elbow



**No. 11-A**  
45° Elbow



**No. 20-A**  
Tee



**No. 40-A**  
Adapter Nipple  
(Groove x Thread)



**No. 42-A**  
Adapter Nipple  
(Groove x Bevel)



**No. 43-A**  
Adapter Nipple  
(Groove x Groove)



**No. 50-A**  
Concentric Reducer



**No. 60-A**  
Cap





















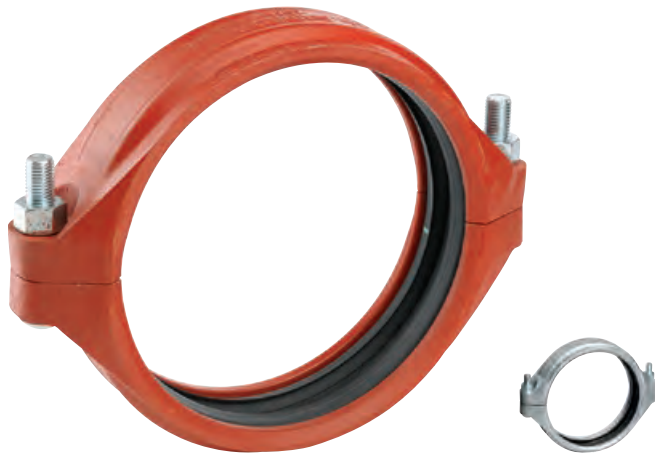
## Advanced Groove System **AGS**

Victaulic offers a comprehensive portfolio of Advanced Groove System (AGS) couplings for systems 14–78" | DN350–DN1950 and a full range of 14–60" | DN350–DN1500 AGS fittings, valves and accessories. Our large diameter piping solutions provide strength and dependability in addition to speed, making them an excellent choice over welding. Other advantages AGS joints provide over welded joints include no flame installation, superior seismic-shock resistance and a union at every joint for easy adjustment, system maintenance or system expansion.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



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**Certifications/Listings:**



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## AGS Rigid Coupling

STYLE W07

[Download publication 20.02](#) for complete information

- First flat-pad, metal-to-metal, rigid coupling to be offered in this size range
- Sizes from 14–50" | DN350–DN1250
- Pressures up to 350 psi | 2413 kPa | 24 bar
- For original groove sizes 1–12" | DN25–DN300 (Style 07), [download publication 06.02](#);  
For original groove featuring Installation-Ready™ technology sizes 2–12" | DN50–DN300 (Style 107N), [download publication 06.23](#)



**Certifications/Listings:**



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## AGS Flexible Coupling

STYLE W77

[Download publication 20.03](#) for complete information

- Unique wedge-shaped key profile increases allowable pipe end separation
- Sizes from 14–78" | DN350–DN1950
- Pressures up to 350 psi | 2413 kPa | 24 bar
- For original groove sizes ¾–24" | DN20–DN600 (Style 77), [download publication 06.04](#);  
For original groove couplings featuring *Installation-Ready* technology sizes 2–8" | DN50–DN200 (Style 177N), [download publication 06.24](#)

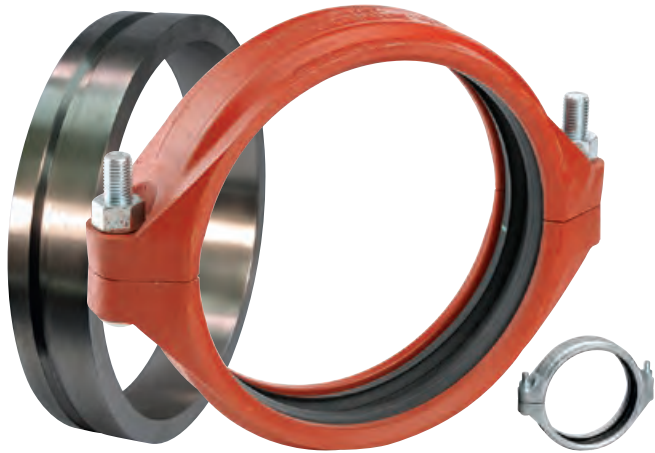


## AGS Rigid Coupling

STYLE W89

[Download publication 20.15](#) for complete information

- Wedge-shaped coupling housing keys fully engage the Victaulic AGS grooves to provide a rigid joint
- Galvanized coated ductile iron coupling
- Sizes from 14–24" | DN350–DN600
- Pressures up to 700 psi | 4830 kPa | 48 bar
- For original groove sizes 2–12" | DN50–DN300 (Style 89), [download publication 17.24](#)



## AGS Rigid Coupling with *Vic-Ring* STYLE W07

[Download publication 16.11](#) for complete information

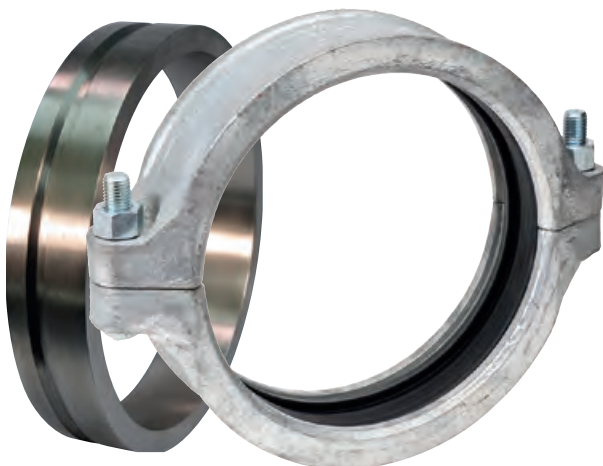
- Coupling installs on the supplied ring to maintain full pipe wall thickness on abrasive and/or corrosive systems
- Sizes from 14–50" | DN350–DN1250
- Pressures up to 350 psi | 2413 kPa | 24 bar
- For OGS *Vic-Ring* products, see pg. 6
- Regional availability, contact [Victaulic](#) for details



## AGS Flexible Coupling with *Vic-Ring* STYLE W77

[Download publication 16.12](#) for complete information

- Coupling installs on the supplied ring to maintain full pipe wall thickness on abrasive and/or corrosive systems
- Sizes from 14–78" | DN350–DN1950
- Pressures up to 350 psi | 2413 kPa | 24 bar
- For OGS *Vic-Ring* products, see pg. 6
- Regional availability, contact [Victaulic](#) for details



## AGS Rigid Coupling with *Vic-Ring* STYLE W89

[Download publication 16.15](#) for complete information

- Coupling installs on the supplied ring to maintain full pipe wall thickness on abrasive and/or corrosive systems
- Galvanized coated ductile iron coupling
- Sizes from 14–24" | DN350–DN600
- Pressures up to 700 psi | 4830 kPa | 48 bar
- Regional availability, contact [Victaulic](#) for details





## AGS Fittings

[Download publication 20.05](#) for complete information

- Sizes from 14–60" | DN350–DN1500
- Fitting pressure ratings are equivalent to the maximum allowable working pressure (MAWP) of joints installed with Victaulic® AGS couplings
- For original groove fittings, [download publication 07.01](#) for more information

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



**No. W10**  
90° Elbow



**No. W11**  
45° Elbow



**No. W12**  
22½° Elbow



**No. W13**  
11¼° Elbow



**No. W100**  
90° 1½ D Long  
Radius Elbow



**No. W110**  
45° 1½ D Long  
Radius Elbow



**No. W20**  
Tee



**No. W25**  
Reducing Tee



**No. W30**  
45° Lateral



**No. W30-R**  
45° Reducing  
Lateral



**No. W33**  
True Wye



**No. W35**  
Cross



**No. W42**  
Adapter Nipple  
(AGS Groove x  
Bevel)



**No. W43**  
Adapter Nipple  
(AGS Groove x  
AGS Groove)



**No. W45R**  
Flanged  
Adapter Nipple



**No. W49**  
Adapter Nipple  
(AGS Groove x  
OGS Groove)



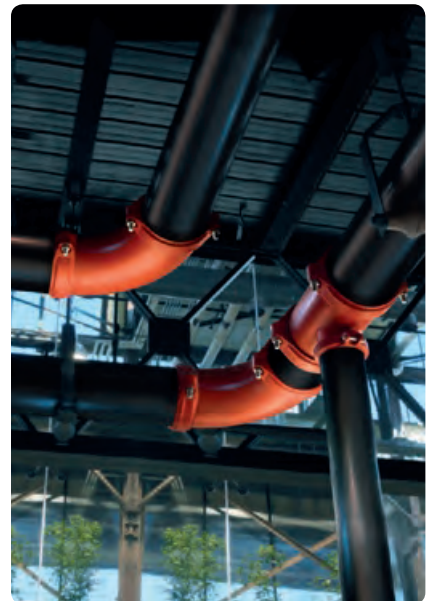
**No. W50**  
Concentric  
Reducer



**No. W51**  
Eccentric  
Reducer



**No. W60**  
Cap





## AGS Stainless Steel Schedule 10S Fittings

[Download publication 17.05](#) for complete information

- Offering includes elbows, tees, adapter nipples, caps, eccentric and concentric reducers
- Sizes from 14–24" | DN350–DN600
- Fitting pressure ratings are equivalent to the maximum allowable working pressure (MAWP) of joints installed with Victaulic® AGS couplings
- For original groove sizes  $\frac{3}{4}$ –12" | DN20–DN300 [download publication 17.16](#) for more information on stainless steel fittings



## AGS Vic-Flange Adapter

STYLE W741

[Download publication 20.04](#) for complete information

- Designed for directly incorporating flanged components with ANSI Class 125-150 bolt hole patterns
- Sizes from 14–24" | DN350–DN600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For original groove sizes 2–12" | DN50–DN300, [download publication 06.06](#) for information on Style 741



## AGS Expansion Joint

STYLE W155

[Download publication 20.12](#) for complete information

- Combination of Style W77 AGS couplings and short nipples, joined in tandem to provide increased expansion
- Sizes from 14–24" | DN350–DN600
- For original groove sizes  $\frac{3}{4}$ –12" | DN20–DN300, [download publication 09.05](#) for information on Style 155



## AGS Expansion Barrel

STYLE W256

[Download publication 09.16](#) for complete information

- Provides up to 42" | 1067 mm of in-line movement
- Designed for water and/or slurry services
- Sizes from 24–42" | DN600–DN1050
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



## AGS Dynamic Movement Joint

STYLE W257

[Download publication 20.16](#) for complete information

- Provides up to 4" | 102 mm of dynamic movement including differential settlement, seismic movement, and thermal movement
- Sizes from 14–78" | DN350–DN1950
- Working pressure is equal to the Style W77 coupling on equivalent wall thickness pipe, [download publication 20.03](#) for complete information
- Regional availability, contact [Victaulic](#) for details



## AGS Vic-300™ Butterfly Valve

SERIES W761

[Download publication 20.06](#) for complete information

- Offers an easily installed choice to cumbersome, multi-bolt wafer or lug-type flanged valves
- Sizes from 14–24" | DN350–DN600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For original groove sizes 2–12" | DN50–DN300, [download publication 08.20](#) for information on Series 761

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings





## AGS Butterfly Valve

SERIES W709

[Download publication 20.07](#) for complete information

- Offers an easily installed choice to cumbersome, multi-bolt wafer or lug-type flanged valves
- Sizes from 26–48" | DN650–DN1200
- Pressures up to 150 psi | 1034 kPa | 10 bar



## AGS Butterfly Valve

SERIES W719

[Download publication 23.19](#) for complete information

- Valve design, materials and testing conform to the requirements of AWWA C504
- Sizes from 14–60" | DN350–DN1500
- Pressure classes conforming to AWWA Class 250B to 48" | DN1200 and 150B for 48" | DN1200 and above



## AGS Vic-Check Double Disc Valve

SERIES W715

[Download publication 20.08](#) for complete information

- Utilizes a spring-assisted, double disc design that achieves drip tight sealing
- Can be installed in both horizontal or vertical (flow up) positions
- Sizes from 14–24" | DN350–DN600
- Pressures up to 230 psi | 1586 kPa | 16 bar
- For original groove sizes 2–12" | DN50–DN300, [download publication 08.08](#) for information on Series 716H/716 or [download publication 08.10](#) for information on Series 779

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



## AGS Suction Diffuser

SERIES W731-D

[Download publication 20.20](#) for complete information

- Allows building up at a 90° angle from the pump saving valuable space in the mechanical room while still protecting the pump against cavitation
- Flanges may be machined to match most global (ANSI, DIN, GB, JIS, and AS-E) flange bolt hole patterns within the diffuser pressure rating
- Sizes from 14–24" | DN350–DN600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For original groove sizes 3–12" | DN80–DN300, [download publication 09.20](#) for information on Series 731-D

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



## AGS Vic-Strainer Tee Type

SERIES W730

[Download publication 20.11](#) for complete information

- Lighter than flanged Y-type strainers and provides straight-through flow for lower pressure drop
- Sizes from 14–24" | DN350–DN600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For original groove sizes 1½–12" | DN40–DN300, [download publication 09.02](#) for information on Series 730



## AGS Vic-Strainer Wye Type

SERIES W732

[Download publication 20.19](#) for complete information

- Provides straight-through flow for lower pressure drop
- Sizes from 14–18" | DN350–DN450
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For original groove sizes 2–12" | DN50–DN300, [download publication 09.03](#) for information on Series 732

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

## Victaulic® Bolted Split-Sleeve Products (VBSP)

Victaulic offers a variety of pipe joining solutions specifically designed to meet the needs of your system.

Conforming to AWWA C227, *Victaulic* Bolted Split-Sleeve couplings are available in a range of unrestrained and restrained flexible designs for use on carbon steel, stainless steel, HDPE and other pipe materials.

VBSP couplings are designed for use on water and wastewater transmission lines as well as hydroelectric penstock lines. VBSP couplings can also provide expansion and contraction capabilities when needed.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



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## Non-Restrained Flexible Coupling for Carbon Steel Pipe

STYLE 230

[Download publication 60.01](#) for complete information

- Non-restrained flexible pipe joint for water and wastewater pipelines
- Up to ½" | 13 mm intermittent axial movement
- Satisfies the requirements of AWWA C227
- Sizes from 8–144" | DN200–DN3600
- Pressures up to 400 psi | 2758 kPa | 28 bar
- Regional availability, contact [Victaulic](#) for details

### Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



## Non-Restrained Flexible Coupling for Stainless Steel Pipe

STYLE 230S

[Download publication 60.02](#) for complete information

- Non-restrained flexible pipe joint used where corrosion resistance is required
- Up to ½" | 13 mm intermittent axial movement
- Satisfies the requirements of AWWA C227
- Sizes from 3–96" | DN80–DN2400
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



## Non-Restrained Flexible Expansion Coupling for Carbon Steel Pipe

STYLE 231

[Download publication 60.03](#) for complete information

- Non-restrained flexible expansion joint provides up to 4" | 102 mm of axial movement
- Satisfies the requirements of AWWA C227
- Sizes from 16–144" | DN400–DN3600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



## Victaulic® Bolted Split-Sleeve Products (VBSP)



### Non-Restrained Flexible Expansion Coupling for Stainless Steel Pipe STYLE 231S

[Download publication 60.04](#) for complete information

- Non-restrained flexible expansion joint provides up to 4" | 102 mm of axial movement
- Satisfies the requirements of AWWA C227
- Sizes from 3–96" | DN80–DN2400
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



### Restrained Flexible Coupling for Carbon Steel Pipe STYLE 232

[Download publication 60.05](#) for complete information

- Restrained flexible joint for use on water, wastewater, force main and penstock piping
- Satisfies the requirements of AWWA C227
- Sizes from 8–144" | DN200–DN3600
- Pressures up to 400 psi | 2758 kPa | 28 bar
- Regional availability, contact [Victaulic](#) for details

#### Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



### Restrained Flexible Coupling for Stainless Steel Pipe STYLE 232S

[Download publication 60.06](#) for complete information

- Restrained flexible joint for use where corrosion resistance is required
- Satisfies the requirements of AWWA C227
- Sizes from 3–96" | DN80–DN2400
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

## Restrained Flexible Coupling for Dynamic Joint Deflection on Carbon Steel Pipe

STYLE 233

[Download publication 60.07](#) for complete information

- Restrained flexible joint that allows for dynamic (in-service) deflection
- Satisfies the requirements of AWWA C227
- Sizes from 8–144" | DN200–DN3600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



## Restrained Flexible Coupling for Dynamic Joint Deflection on Stainless Steel Pipe

STYLE 233S

[Download publication 60.08](#) for complete information

- Restrained flexible joint for use where corrosion resistance is required
- Designed to allow for dynamic (in-service) deflection and thrust restraint at the joint
- Satisfies the requirements of AWWA C227
- Sizes from 3–96" | DN80–DN2400
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

## Victaulic® Bolted Split-Sleeve Products (VBSP)



### Restrained Flexible Single-Gasket Coupling for Carbon Steel Pipe

STYLE 234

[Download publication 60.09](#) for complete information

- Designed for use on water transmission, force mains and penstock lines
- Sizes from 8–120" | DN200–DN3000
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



### Restrained Flexible Single-Gasket Coupling for Stainless Steel Pipe

STYLE 234S

[Download publication 60.10](#) for complete information

- Ideal for field joint connections requiring flexibility and thrust restraint
- Sizes from 8–60" | DN200–DN1500
- Pressures up to 200 psi | 1379 kPa | 14 bar
- Regional availability, contact [Victaulic](#) for details

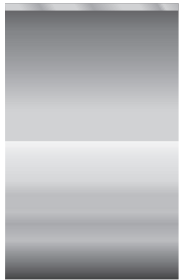


## Stainless Steel Bellow Expansion Joint

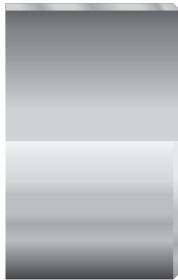
STYLE 240S

[Download publication 60.13](#) for complete information

- Concurrent axial, angular and/or lateral pipe movement possible
- Lateral offset at pipeline joints
- Designed to job-specific parameters
- Sizes from 3–96" | DN80–DN2400
- Regional availability, contact [Victaulic](#) for details



Plain End



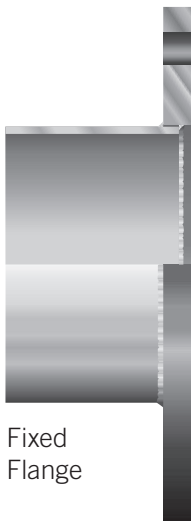
Beveled End



Restraint Ring



Roll Groove



Fixed Flange



Floating Flange





## Hole Cut System

Victaulic developed the hole cut piping system concept to enable a fast and easy mid-pipe outlet solution that would not require welding. The system allows for a direct branch connection at any location where a hole can be cut in the pipe. Gaskets are molded to conform to the outside diameter of the pipe and are pressure responsive to provide a seal. Victaulic® hole cut products are mounted to the pipe using either a locating collar (Style 920 and 920N) or a toe and heel (Style 923 and 924), and provide a smooth flow area.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



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Strapless Thermometer Outlet (Style 924)

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*Mechanical-T Spigot Outlet (Style 926)*

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## Mechanical-T Bolted Branch Outlet and Cross Assemblies

STYLE 920/920N

[Download publication 11.02](#) for complete information

- Provides a direct branch connection at any location where a hole can be cut in the pipe
- Available as a tee or cross outlet with female threaded or grooved ends
- Sizes from 2–8" | DN50–DN200
- Pressures up to 500 psi | 3447 kPa | 34 bar

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



## Outlet Coupling

STYLE 72

[Download publication 06.10](#) for complete information

- Joining device to provide an integral reducing outlet
- Sizes from 1½–6" | DN40–DN150
- Pressures up to 500 psi | 3447 kPa | 34 bar

### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

## Hole Cut System



### Strapless Outlet

STYLE 923

[Download publication 11.05](#) for complete information

- Provides a fast, easy pipe outlet without the need for a strap or lower housing
- For use on 4" | DN100 and larger steel pipe (specify pipe size when ordering)
- ½" | DN15 or ¾" | DN20 outlet sizes available
- Pressures up to 300 psi | 2068 kPa | 21 bar

#### Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



### Strapless Thermometer Outlet

STYLE 924

[Download publication 11.06](#) for complete information

- Provides a fast, easy connection, combining the features of a thermowell and strapless mechanical outlet
- For use on 4" | DN100 and larger steel pipe (specify pipe size when ordering)
- Features a ¾" female NPT or a 1¼" -18 UNEF female outlet size
- Pressures up to 300 psi | 2068 kPa | 21 bar



### Mechanical-T Spigot Outlet

STYLE 926

[Download publication 11.07](#) for complete information

- Designed to provide an outlet connection on HDPE, steel, and ductile iron pipe materials in IPS, ISO, and DIPS pipe sizes
- 4" outlets available for 10–32" IPS pipe diameters
- 6" outlets available for 16–48" IPS pipe diameters
- 114.3 mm outlets available for 250–800 mm ISO pipe diameters
- 168.3 mm outlets available for 400–1200 mm ISO pipe diameters

