

THE WORLD LEADER IN PIPE JOINING SOLUTIONS



THE VICTAULIC® DIFFERENCE

GASKET

GROOVE ⊢

GROOVE

GROOVED PIPE JOINING TECHNOLOGY

How does it work?

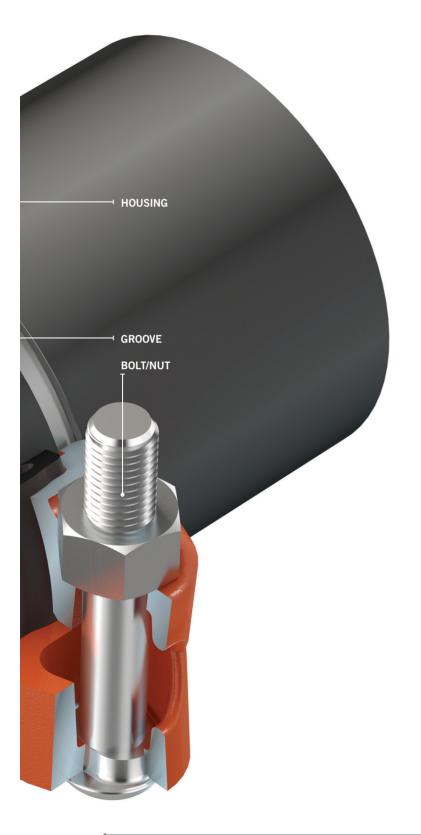
The groove is made by cold forming or machining a groove into the end of a pipe. A gasket encompassed by the coupling housing is wrapped around the two grooved pipe ends, and the key sections of the coupling housing engage the grooves. The bolts and nuts are tightened with a socket wrench or impact wrench.

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.

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



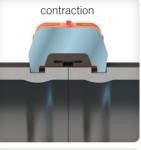
VICTAULIC® GROOVED END PIPING SYSTEMS PROVIDE:



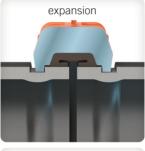
Easy system maintenance and expansion—through simple coupling disassembly that allows for easy access.

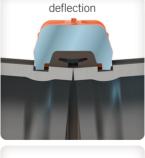


Alignment ease—through a design that allows for full rotation of the pipe and system components before tightening.



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 stress absorption.







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



Flexible Coupling

STYLE 77

Download submittal 06.04 for complete information

- Allows for deflection, expansion and contraction
- Robust cross-ribbed, two piece housing construction
- Sizes from 34-24" | DN20-DN600
- Pressures up to 1000 psi | 6900 kPa



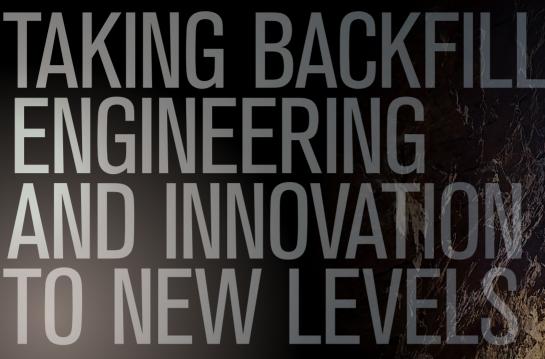
Long Radius Cast Ductile Iron ElbowsNo.100

Download submittal 07.12 for complete information

- Standard fitting pressure ratings conform to ratings of installed coupling
- All fittings supplied with grooves or shoulders for fast installation
- Long radius steel elbows are formed from standard wall steel pipes
- Available in 3D, 5D and 6D
- Fittings available from ¾–24" | DN20–DN600

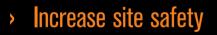






WITH 4-WAY DIVERTER VALVE TECHNOLOGY





- > Reduce system downtime and maintenance
- > Protect upstream piping and bore holes
- Increase mine productivity



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Diverter Valve

SERIES 725T

Download submittal 08.41 for complete information

- 4-Way, 3-Port, design for mining backfill and flush water diversion
- May be operated under pressure to dump backfill in the event of a blockage
- Martensitic stainless steel wetted surfaces
- Fully enclosed rotating plug, eliminating exposed moving parts
- Manual, pneumatic, and electric actuation options available
- Available in 4–8" | DN100–DN200
- Pressures up to 1500 psi | 10342 kPa | 103 bar
- Optional support frames available



Diverter Valve

SERIES 725S

Download submittal 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 options available
- Available in 4–8" | DN100–DN200
- Pressures up to 1500 psi | 10342 kPa | 103 bar
- Optional support frames available









High pressure coupling Style HP-70ES Fittings include Elbows, Tees and Crosses

<u>Download submittal 06.13</u> for Style HP-70ES Coupling <u>Download submittal 07.03</u> for ES Fittings

- EndSeal Groove system creates a higher pressure rigid joint than standard groove systems
- Fittings are Schedule 80 wall thickness for use with HP-70ES couplings
- For plastic coated pipe or high pressure rigid systems
- Coupling sizes from 2–12" | DN50–DN300 and Fitting sizes from 2–6" | DN50–DN150
- Pressures up to 2500 psi | 17250 kPa





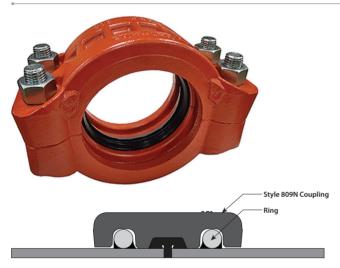


High Pressure Coupling

Style 808

Download submittal 15.01 for complete information

- Unique double grooved system for the highest pressure rating for a mechanical joint
- Double-bolted coupling for use with Schedule 80 or heavier steel pipe
- Provides superior joint integrity at high pressures while maintaining a degree of flexibility to facilitate joining
- Can be joined directly to a double grooved pipe, eliminating special weld-on nipples and collars
- Sizes from 6–12" | DN150–DN300
- Pressures up to 4000 psi | 27500 kPa



High Pressure Coupling for Ring Systems

Style 809N

Download submittal 15.03 for complete information

- Maintains full pipe wall thickness without intrusion into the pipe I.D.
- Engages directly onto rings welded onto the O.D. of the pipe
- Sizes 4-10" | DN100-DN250
- Pressures up to 3000psi | 20700kPa







Couplings



Certifications/Listings:



Plain End Installation-Ready™ Coupling for HDPE Pipe

Style 905

Download publication 19.07 for complete information

- Designed for plain end HDPE pipe (SDR 7 – SDR 26)
- Sizes from 2-14" IPS and 63-355 mm ISO
- Pressure rating meets or exceeds the performance capabilities of the pipe



Certifications/Listings:



Coupling for HDPE-to-Steel PipeStyle 907

Download publication 19.10 for complete information

- Designed to provide a single transition from plain end HDPE pipe (SDR 7 – SDR 26) to grooved steel sized piping system components
- Sizes from 2 14" IPS HDPE to 2–14"
 IPS grooved steel
- Sizes from 63 355 mm ISO HDPE to 50–350 mm
 ISO grooved steel
- Pressure rating meets or exceeds the performance capability of the pipe

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