Victaulic® Grooved Coupling
Style 31

23.02

Patented

1.0 PRODUCT DESCRIPTION

Available Sizes

- 3 – 36"/DN80 – DN900

Pipe Material

- Ductile Iron with a minimum wall thickness of ANSI/AWWA C151/A21.51, Class 53

Maximum Working Pressure

- Up to 500 psi/3450 kPa

Function

- Provides a fully restrained pipe joint to the published maximum allowable working pressure.
- Joints are rigid or flexible depending on groove style.
- Rigid joints resist axial and angular movement.
- Flexible joints allow for restrained axial and angular movement to the couplings published capabilities.

2.0 CERTIFICATION/LISTINGS

Coupling design, materials and testing conform to the requirements of AWWA C606 standard for Grooved and Shouldered Joints.

NOTES

- Refer to Victaulic publication 10.01 for details

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

3.0 SPECIFICATIONS – MATERIAL

Housing: Ductile iron conforming to ASTM A536, Grade 65-45-12. Ductile iron conforming to ASTM A395, Grade 65-45-15, is available upon special request.

Housing Coating: (specify choice)

- ☐ Standard: Phenolic Alkyd Primer (2.5 mil).
- ☐ Optional: Orange enamel.
- ☐ Optional: Coal tar epoxy coating (3 mils).
- ☐ Organic zinc primer (3 mils).
- ☐ Bituminous coating.

NOTE

- Others available, contact Victaulic.

Gasket: (specify choice[1])

☐ **Grade "M" FlushSeal™**
Halogenated Butyl (Brown color code). Temperature range –20°F to +200°F/–29°C to +93°C. Specially compounded to conform to ductile pipe surfaces. Recommended for water service within the specified temperature range plus a variety of dilute acids, oil-free air, and many chemical services. UL classified in accordance with ANSI/NSF 61 for cold +86° F/+30°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.

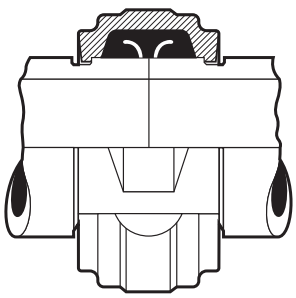
☐ **Grade "S" FlushSeal™**
Nitrile (Red color code). Temperature range –20°F to +180°F/–29°C to + 82°C. Specifically compounded to conform to ductile pipe surfaces. Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range; except hot air over +140° F/+60° C and water over +150° F/+66°C. NOT RECOMMENDED FOR HOT WATER SERVICES.

[1] Services listed are General Service Guidelines only. It should be noted that there are services for which these gaskets are not compatible. Reference should always be made to the latest Victaulic Seal Selection Guide for specific gasket service guidelines and for a listing of services which are not compatible.

Bolts/Nuts: (specify choice)

- ☐ Standard: Carbon steel oval neck track bolts meeting the mechanical property requirements of ASTM A449 (imperial) and ISO 898-1 Class 9.8 (M10-M16) Class 8.8 (M20 and greater). Carbon steel hex nuts meeting the physical and chemical requirements of ASTM A563 Grade B (imperial - heavy hex nuts) and ASTM A563M Class 9 (metric - hex nuts). Track bolts and hex nuts are zinc electroplated per ASTM B633 ZN/FE5, finish Type III (imperial) or Type II (metric).
- ☐ Optional: Stainless steel oval neck track bolts meeting the requirements of ASTM F593, Group 2 (316 stainless steel), condition CW. Stainless steel heavy hex nuts meeting the requirements of ASTM F594, Group 2 (316 stainless steel), condition CW, with galling-resistant coating.[2]

[2] Optional bolts/nuts are available in imperial size only.



Exaggerated for Clarity

