

# Style 28 Coupling

## PRODUCT DESCRIPTION

The Victaulic Style 28 Coupling is a heavy duty coupling for use with Vic-Ring Adapters to join pipes of non-standard dimensions or where internal wear or corrosion is of concern and roll or cut grooving are not acceptable.



## MATERIAL SPECIFICATIONS

**Housings:** Six segments per coupling (20" size has 4 segments)

- Material:  
Ductile Iron conforming to ASTM A536 Grade 65-45-12
- Finish:  
Orange enamel

**Gaskets:**

- Grade "L" Silicone  
Temperature range -30°F to +350°F/-34° C to +177°C. Recommended for dry heat, air without hydrocarbons to +350°F/+177°C and certain chemical services.

**Bolts/Nuts:** Six sets per coupling (20" size uses four sets)

- Material:  
Heat treated, zinc plated, carbon steel, track-head, conforming to the physical properties of ASTM A183, minimum tensile 110,000 PSI.
- Bolt Torque:  
Not required, housings to be tightened until bolt pads meet "metal to metal"

**Vic-Rings:** Two Victaulic Type 'D' Vic-Rings per coupling

- Material:  
Carbon Steel to ASTM A 105

Other materials can be supplied, contact Victaulic for details.

**Note:** Type 'C' and Type 'B' Vic-Rings may also be used, contact Victaulic for details.

**JOB/OWNER**

System No. \_\_\_\_\_  
Location \_\_\_\_\_

**CONTRACTOR**

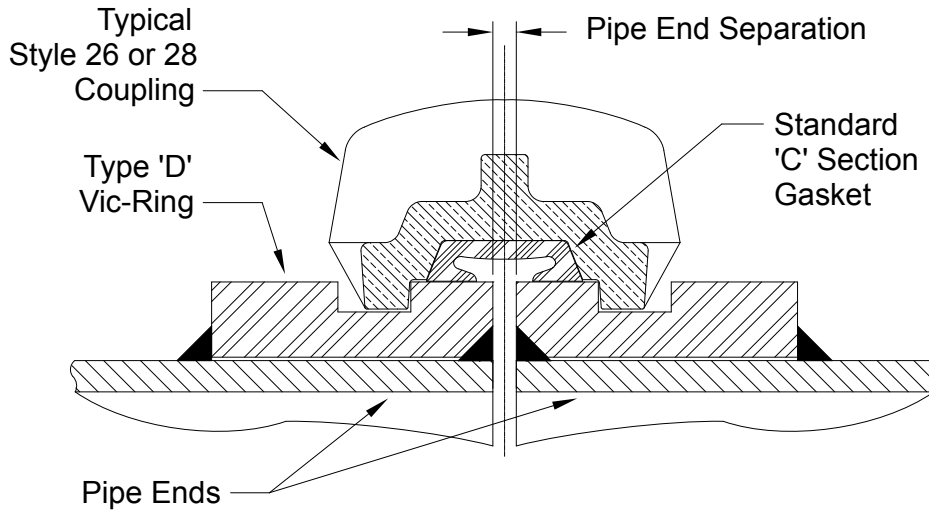
Submitted By \_\_\_\_\_  
Date \_\_\_\_\_

**ENGINEER**

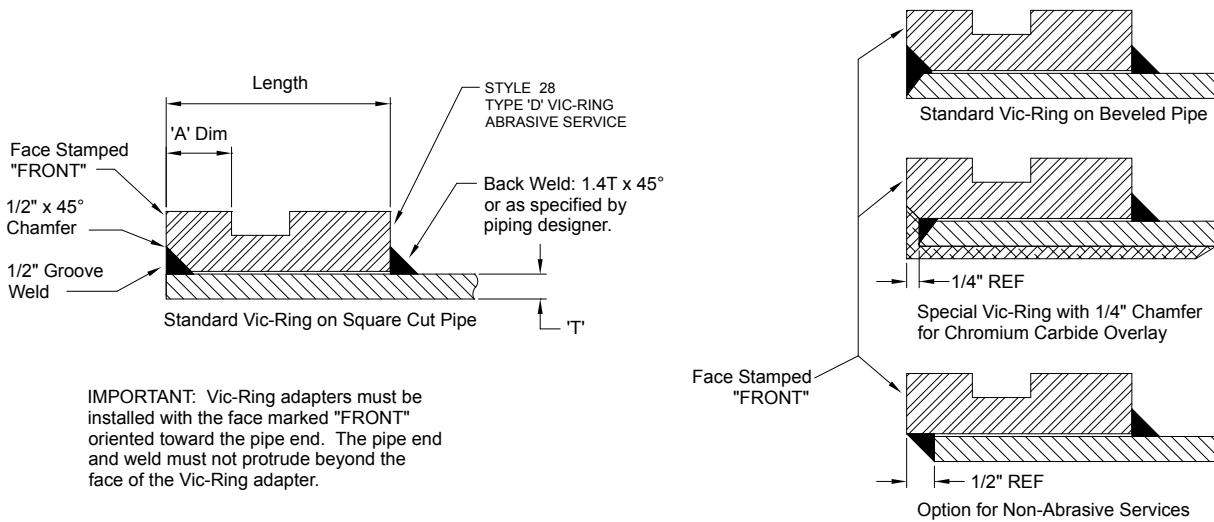
Spec Sect \_\_\_\_\_ Para \_\_\_\_\_  
Approved \_\_\_\_\_  
Date \_\_\_\_\_

# Style 28 Coupling

## PRODUCT DESCRIPTION



Install couplings in accordance with Victaulic's published installation instructions for large diameter multiple segment couplings contained in the I-100 Field Installation Handbook.



**IMPORTANT:** Vic-Ring adapters must be installed with the face marked "FRONT" oriented toward the pipe end. The pipe end and weld must not protrude beyond the face of the Vic-Ring adapter.

All welding shall be completed by qualified welders and shall conform to local codes and regulations that apply where the product is installed.



# Style 28 Coupling

## PRODUCT DESCRIPTION

### JOINT PERFORMANCE DATA

Pipe & Coupling				Vic-Ring		Joint Data			
1	2	3	4	5	6	7	8		9
Size (NPS)	O.D. (In. / mm)	Wall (In. / mm)	Style	Type	O.D. (In. / mm)	Max W.P. (PSI / kPa)	Pipe End Gap and Deflection from Centerline		Max End Load (lbs / N)
							Gap (In. / mm)	Angle (deg)	
20	20.000" / 508.0	0.375" / 9.53	28	C	21.650" / 548.6	350 / 2400	0.375" / 9.53	0.99	128,847 / 573,111
		0.500" / 12.70							184,067 / 818,730
		0.375" / 9.53							184,067 / 818,730
24	24.000" / 610.0	0.375" / 9.53	28	C	25.800" / 655.3	300 / 2065	0.375" / 9.53	0.83	156,838 / 697,615
		0.500" / 12.70							209,117 / 930,152
		0.375" / 9.53							261,396 / 1,162,689
27	27.000" / 685.8	0.375" / 9.53	28	C	29.500" / 749.3	350 / 2400	0.375" / 9.53	0.72	239,222 / 1,064,059
		0.500" / 12.70							341,746 / 1,520,086
		0.500" / 12.70							341,746 / 1,520,086
30	30.000" / 762.0	0.375" / 9.53	28	C	32.500" / 825.5	350 / 2400	0.500" / 12.70	0.88	290,352 / 1,291,486
		0.500" / 12.70							290,352 / 1,291,486
		0.500" / 12.70							414,788 / 1,844,977

**Notes:**

- Column 1: "Size (NPS)" is the nominal NPS steel pipe size. Nominal Size Style 28 coupling.
- Column 2: Nominal pipe outside diameter. Couplings may be used to join pipe with nominal diameters smaller than the coupling size as indicated in this column.
- Column 3: Nominal pipe wall thickness.
- Column 4: Coupling Style.
- Column 5, 6: Vic-Ring™ Type and outside diameter. Contact Victaulic for specific details.
- Column 7: Maximum working pressure, including surge pressure, to which a joint may be subjected. This figure provides a nominal safety factor of three. These pressure ratings are based on suitable steel pipe of the required wall thickness with appropriate Vic-Ring™ adapters.
- Column 8: Standard nominal pipe end gap (separation), and the joint deflection from centerline based on couplings and Vic-Rings of nominal dimensions. A joint deflected to the maximum angle will not provide any linear movement. This data does not apply to Vic-Ring™ adapters manufactured for "reduced pipe end gaps" for use with FlushSeal gaskets, or to reduce the effects of turbulence at the joints. This data does not take into account the effects of manufacturing and installation tolerances. If this data is to be used for system design purposes, customers should contact Victaulic for assistance.
- Column 9: Maximum End Load, published in pounds, is the total of all loads on the coupling joint from all sources, external and internal, including internal pressure thrust.

**Important:** The joint performance data contained in the above chart applies to Vic-Ring™ adapters supplied by Victaulic Company. Victaulic Company cannot warrant the performance of joints using adapter rings supplied by others.

**INSTALLATION**

Reference should always be made to the I-100 Victaulic Field Installation Handbook for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at [www.victaulic.com](http://www.victaulic.com).

**WARRANTY**

Refer to the Warranty section of the current Price List or contact Victaulic for details.

**NOTE**

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.



For complete contact information, visit [www.victaulic.com](http://www.victaulic.com)

16.07 5239 REV A UPDATED 06/2008

VICTAULIC IS A REGISTERED TRADEMARK OF VICTAULIC COMPANY. © 2008 VICTAULIC COMPANY. ALL RIGHTS RESERVED. PRINTED IN THE USA.

