

# Victaulic Grooved Couplings

## Performance Data for EN Spec Pipe



06.30

### 1.0 PERFORMANCE

#### Performance on ISO Wall Thicknesses

This section includes performance data for ductile iron ISO sized couplings ranging from DN50 – DN400/2 – 16", for use on carbon steel pipe with wall thicknesses from 2.6 – 6.3 mm/0.102 – 0.248", depending on the pipe OD in question.



Style 107N  
QuickVic™  
Rigid Coupling



Style 177N  
QuickVic™  
Flexible Coupling



Style W07  
AGS™ Rigid Coupling



Style W77  
AGS™ Flexible Coupling

Size		Pipe Wall Thickness	Style 107N		Style 177N		Style W07		Style W77	
Nominal DN inches	Actual Outside Diameter mm inches		Maximum Working Pressure kPa bar	Maximum End Load N lb	Maximum Working Pressure kPa bar	Maximum End Load N lb	Maximum Working Pressure kPa bar	Maximum End Load N lb	Maximum Working Pressure kPa bar	Maximum End Load N lb
DN50 2	60.3 2.375	2.6 0.102	5170 52	14781 3323	5170 52	14781 3323	-	-	-	-
DN65	76.1 3.000	2.6 0.102	4135 41	18856 4239	4135 41	18856 4239	-	-	-	-
DN80 3	88.9 3.500	2.9 0.114	4135 41	25680 5773	4135 41	25680 5773	-	-	-	-
DN100 4	114.3 4.500	3.2 0.126	4135 41	42449 9543	4135 41	42449 9543	-	-	-	-
DN125	139.7 5.500	3.6 0.142	3450 35	52814 11873	3450 35	52814 11873	-	-	-	-
DN150 6	168.3 6.625	4.0 0.157	3450 35	76670 17236	3100 31	69000 15512	-	-	-	-
DN200 8	219.1 8.625	4.5 0.177	2065 21	77950 17525	2065 21	77950 17525	-	-	-	-
DN250 10	273.0 10.750	5.0 0.197	2065 21	121040 27200	-	-	-	-	-	-
DN300 12	323.9 12.750	5.6 0.220	1375 14	113475 25500	-	-	-	-	-	-
DN350 14	355.6 14.000	5.6 0.220	-	-	-	-	2400 24	248310 55800	2400 24	248310 55800
DN400 16	406.4 16.000	6.3 0.248	-	-	-	-	2400 24	324209 72885	2400 24	324209 72885

**NOTE**

- For pressure ratings on wall thicknesses not mentioned, please contact Victaulic.

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	



## 2.0 NOTIFICATIONS

**⚠ WARNING**

- Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Wear safety glasses, hardhat, and foot protection.
- A Victaulic flexible coupling (not included) must also be installed in the piping above the Series 383 Discharge CBV Isolation Pump Drop when using a vertical configuration with no reduction in pipe size.

Failure to follow these instructions could result in death or serious personal injury and property damage.

## 3.0 REFERENCE MATERIALS

Product	Product Type	Size Range
Style 107N	Rigid Coupling	2 – 12"/DN50 – DN300
Style 177N	Flexible Coupling	2 – 8"/DN50 – DN200
Style W07	Rigid Coupling	14 – 16"/DN350 – DN400
Style W77	Flexible Coupling	14 – 16"/DN350 – DN400

- [06.23: Victaulic QuickVic™ Rigid Coupling Style 107N](#)
- [06.24: Victaulic QuickVic™ Flexible Coupling Style 177N](#)
- [20.02: Victaulic AGS Rigid Coupling Style W07](#)
- [20.03: Victaulic AGS Flexible Coupling Style W77](#)

### User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, and the applicable building codes and related regulations as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

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### 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.

### Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing 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.

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