

# Victaulic Delta-Y Assembly

## Style DLY



No.30DY 45° Lateral



No.33DY True Wye



Style 107N QuickVic®



Series 761 Vic-300  
MasterSeal™ Butterfly Valve



Victaulic Delta-Y Assembly

## 1.0 PRODUCT DESCRIPTION

### Available Sizes

- 5 – 6"/125 – 150 mm

### Maximum Working Pressure

- Up to 300 psi/2065 kpa

### Application

- This product designed for use on bulk cement/barite systems found on offshore platforms
- This product designed for use in drilling mud and associated drilling systems.

### Pipe Materials

- Carbon Steel

### NOTES

- The Victaulic Delta-Y unit is pre-assembled and delivered with all fittings and valves oriented correctly as required by system engineered design.
- Available with 5D Long Sweep fittings.

## 2.0 CERTIFICATION/LISTINGS

Not applicable – contact Victaulic with any questions.

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

#### No.33DY True Wye/ No.30DY 45° Lateral

**Housing:**

Ductile iron conforming to ASTM A536, Grade 65-45-12.

**Housing Coating: (specify choice)**

Standard: Orange enamel.

Optional: Hot dipped galvanized.

#### 33 LR True Wye/ No.30 LR 45° Lateral

**Housing:**

Ductile iron conforming to ASTM A536, Grade 65-45-12.

**Housing Coating: (specify choice)**

Standard: Orange enamel.

Optional: Hot dipped galvanized.

#### Style 107N QuickVic® Rigid Coupling

**Housing:**

Ductile iron conforming to ASTM A536, Grade 65-45-12.

**Housing Coating: (specify choice)**

Standard: Orange enamel.

Optional: Hot dipped galvanized.

**Gasket: (specify choice<sup>1</sup>)**

**Grade “T” Nitrile**

Nitrile (Orange stripe color code). Temperature range 20°F to +180°F/29°C to +82°C. May be specified for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Not compatible for hot water services over +150°F/+66°C or for hot dry air over +140°F/+60°C.

<sup>1</sup> 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 Gasket Selection Guide](#) for specific gasket service guidelines and for a listing of services which are not compatible.

**Bolts/Nuts:** Heat-treated plated carbon steel, trackhead meeting the physical and chemical requirements of ASTM A-449 and physical requirements of ASTM A-183.

#### Series 761 Vic-300 MasterSeal™ Butterfly Valve

**Body:** Ductile iron conforming to ASTM A-536, Grade 65-45-12.

**End Face:** Ductile iron conforming to ASTM A-536, Grade 65-45-12.

**Coating:** Black alkyd enamel.

**Seat: (specify choice<sup>1</sup>)**

**Grade “T” Nitrile**

Nitrile (Orange stripe color code). Temperature range 20°F to +180°F/29°C to +82°C. May be specified for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Not compatible for hot water services over +150°F/+66°C or for hot dry air over +140°F/+60°C.

<sup>1</sup> 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 Gasket Selection Guide](#) for specific gasket service guidelines and for a listing of services which are not compatible.

**Stems:** (Standard) 416 stainless steel conforming to ASTM A-582

**Stem Seal Cartridge:** (Standard) C36000 brass

**Bearings:** Fiberglass or Type 316 stainless steel with TFE lining

**Stem Seals:** Furnished in same materials as seat

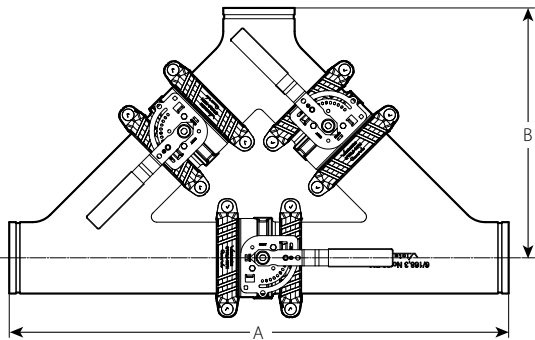
**Stem Retaining Ring:** Carbon steel

**Handle:** 10 Position

Zinc plated carbon steel handle with zinc plated carbon steel latch plate and carbon steel zinc plated fasteners, infinitely variable, padlockable and includes memory stop. Optionally available with tamper-resistant hardware.

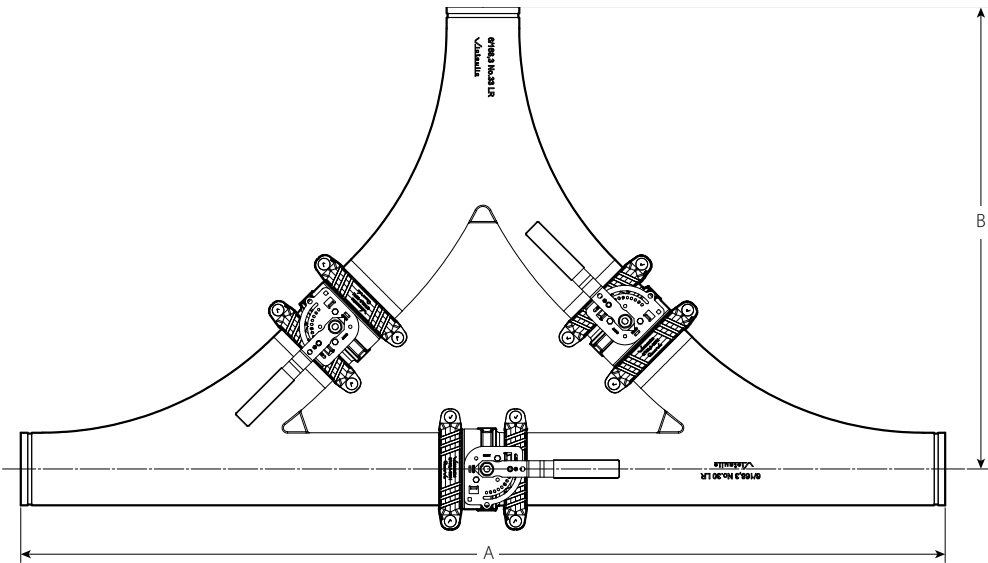
<sup>2</sup> Contact Victaulic for available material combination options.

4.0 DIMENSIONS



Style DLY  
Typical 5 – 6"/125 – 150 mm

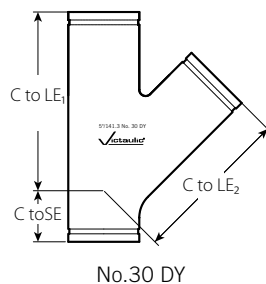
Nominal Size inches DN	Actual Outside Diameter inches mm	Maximum Working Pressure psi kPa	Dimensions		Approximate Weight (Each) lb kg
			A inches mm	B inches mm	
5	5.563 141.3	300 2065	42.38 1074	21.13 537	218.4 99.1
6 DN150	6.625 168.3	300 2065	46.88 1189	23.38 595	276.2 125.3



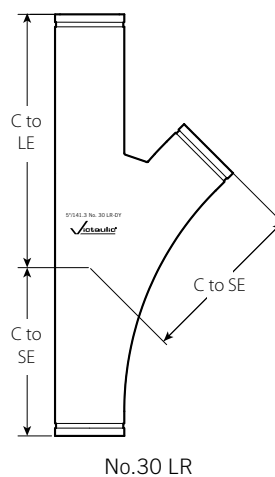
Style DLY-LR  
Typical 5 – 6"/125 – 150 mm

Nominal Size inches DN	Actual Outside Diameter inches mm	Maximum Working Pressure psi kPa	Dimensions		Approximate Weight (Each) lb kg
			A inches mm	B inches mm	
5	5.563 141.3	300 2065	74.00 1880	37.00 940	329.4 149.4
6 DN150	6.625 168.3	300 2065	84.75 2151	42.38 1075	449.2 203.8

## 4.0 DIMENSIONS (Continued)

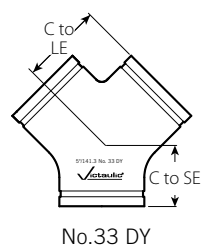


Nominal Size inches DN	Actual Outside Diameter inches mm	Maximum Working Pressure psi kPa	Dimensions		C to SE inches mm	Approximate Weight (Each) lb kg
			C to LE <sub>1</sub> inches mm	C to LE <sub>2</sub> inches mm		
5	5.563 141.3	580 4000	14.00 356	12.50 318	4.00 102	49.0 22.0
6 DN150	6.625 168.3	580 4000	15.75 399	14.00 356	4.50 114	64.0 29.0



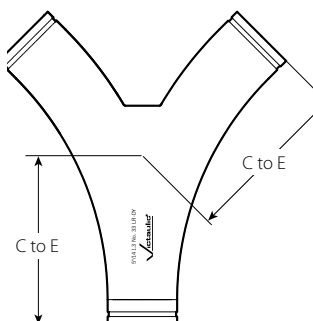
Nominal Size inches DN	Actual Outside Diameter inches mm	Maximum Working Pressure psi kPa	Dimensions		Approximate Weight (Each) lb kg
			C to LE inches mm	C to SE inches mm	
5	5.563 141.3	580 4000	20.38 516	13.50 343	79.0 36.0
6 DN150	6.625 168.3	580 4000	23.38 595	15.75 399	115.0 52.0

## 4.0 DIMENSIONS (Continued)



No.33 DY

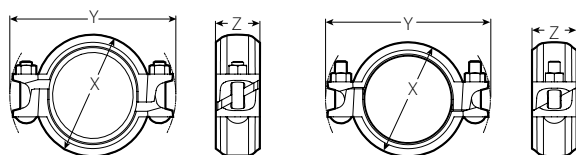
Nominal Size inches DN	Actual Outside Diameter inches mm	Maximum Working Pressure psi kPa	Dimensions		Approximate Weight (Each) lb kg
			C to LE inches mm	C to SE inches mm	
5	5.563 141.3	580 4000	5.50 141	4.00 102	22.0 10.0
6 DN150	6.625 168.3	580 4000	6.50 165	4.50 114	33.0 15.0



No.33 LR

Nominal Size inches DN	Actual Outside Diameter inches mm	Maximum Working Pressure psi kPa	Dimensions		Approximate Weight (Each) lb kg
			C to E inches mm	C to E inches mm	
5	5.563 141.3	580 4000	13.50 343	13.50 343	73.0 33.0
6 DN150	6.625 168.3	580 4000	15.75 399	15.75 399	104.0 47.0

## 4.0 DIMENSIONS (Continued)

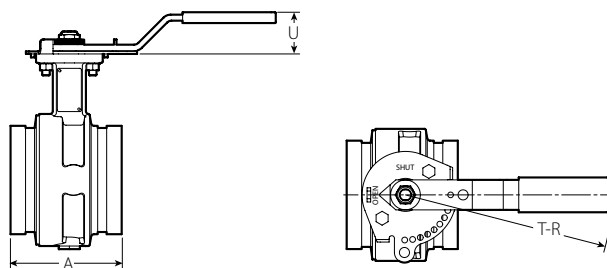


Style 107N Pre-Assembled  
(Installation-Ready Condition)

Style 107N Joint Assembled

Nominal Size inches DN	Actual Outside Diameter inches mm	Allow. Pipe End Sep. inches mm	Maximum Working Pressure psi Bar		Dimensions					Weight
					Pre-assembled (installation-ready condition)		Joint Assembled			Approximate (Each) lb kg
			Schedule 10	Schedule 40	X inches mm	Y inches mm	X inches mm	Y inches mm	Z inches mm	
5	5.563 141.3	0.15 3.8	500 3450	750 5170	7.75 197	10.25 260	7.13 181	10.25 260	2.25 57	7.0 3.2
6 DN150	6.625 168.3	0.15 3.8	500 3450	700 4825	8.88 226	11.38 289	8.13 207	11.25 285	2.25 57	8.2 3.7

For more details, please refer to [publication 06.23](#)



Series 761  
5 – 6" 125 – 150 mm

Nominal Size inches DN	Actual Outside Diameter inches mm	Dimensions			Approx. Weight (Each)	
					Bare Valve	Valve with 10 Position Handle
		A - End to End inches mm	T-R inches mm	U inches mm	lb kg	lb kg
5	5.563 141.3	5.88 149	12.00 305	1.63 42	16.8 7.6	18.8 8.5
6 DN150	6.625 168.3	5.88 149	12.00 305	1.63 42	20.0 9.1	22.0 10.0

For more details, please refer to [publication 08.20](#)

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## 5.0 PERFORMANCE

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Not applicable – contact Victaulic with any questions

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## 6.0 NOTIFICATIONS

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Not applicable – contact Victaulic with any questions

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## 7.0 REFERENCE MATERIALS

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[05.01: Seal Selection Guide](#)

[06.15: Pressure Ratings and End Loads for Victaulic Couplings on Steel Pipe](#)

[6.23: QuickVic™ Rigid Coupling Style 107N](#)

[07.01: Grooved End Fittings](#)

[08.20: Vic-300 MasterSeal™ Butterfly Valve Series 761](#)

[I-100: Field Installation Handbook](#)

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### 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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