

# Victaulic® Dynamic Movement Joint

## Style W257N



### 1.0 PRODUCT DESCRIPTION

#### Available Pipe Sizes

- The W257N Dynamic Movement Joint is available in sizes 14 – 60"/DN350 – DN1500 (all sizes below reference pipe outside diameter) for exposed or buried applications, with either 2"/51 mm or 4"/102 mm of movement capability.
- For buried applications, pipe sizes greater than 24"/DN600: Style W257N utilizes *Vic-Ring* adapters.
- For exposed applications, pipe sizes greater than 50"/DN1250: Style W257N utilizes *Vic-Ring* adapters.
- For pipe sizes greater than 60"/DN1500, contact Victaulic.

#### Maximum Working Pressure

- 14 – 60"/DN350 – DN1500: 150 psi/1034 kPa.
- For pressures greater than 150 psi/1034 kPa, contact Victaulic.

#### Buried Configuration

- Maximum burial depth is 15 feet/4.6 m from the springline (centerline of the pipe).
- For buried applications deeper than 15 feet/4.6 m from the springline (centerline of the pipe). Please contact Victaulic for additional information.
- For buried applications with soil densities greater than 120 LBS/CU-FT and/or minimum average soil modulus less than 800 psi (per AWWA M11), contact Victaulic for additional information.

#### Movement

- Total radial movement of 2"/51 mm or 4"/102 mm (including lateral and vertical movements).
- For applications requiring axial movement, contact Victaulic.
- For movement greater than 4"/102 mm, contact Victaulic.
- For smaller install spaces, contact Victaulic
- For any movement or installation parameters outside of the standard offering, contact Victaulic..

#### Function

- Accommodates in-service movement associated with piping systems.

#### Application

- Meets the design requirements of AWWA M11.
- Coated and lined in accordance with the requirements of AWWA C210 Liquid Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines.
- For AGS coupling field connections to the Style W257N, refer to [I-W100](#) for installation and torque requirements.

#### NOTE

- Protection shall be implemented to prevent aggregate from entering the grooves adjacent to joint movement.

### 2.0 CERTIFICATION/LISTINGS

Product designed, manufactured and tested under the Victaulic Quality Management System, as certified by LPCB in accordance with ISO 9001:2015.

The Grade "E" EPDM seal is certified for use in drinking water systems by UL LLC in accordance with ANSI/NSF 61 Drinking Water System Components – Health Effects and ANSI/NSF 372 Drinking Water System Components – Lead Content.

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

### 3.0 SPECIFICATIONS – MATERIAL

#### Housing:

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

#### Vic-Ring Material:

- Carbon Steel to ASTM A105 or equivalent.

#### Spools:

- Meeting the physical and mechanical requirements of the following pipe standards: ASTM A53, API 5L, AWWA C200, EN/BS10216 - 1, EN/BS10217 - 1 or other internationally recognized standards.

#### Reinforcement Collars: (As Required Per Section 4.1 Figure 5)

- Meeting the physical and mechanical requirements of ASTM A36.

#### External Product Coating (Specify Choice):

Standard: Liquid Epoxy conforming with AWWA C210 and NSF Certified in accordance with NSF/ANSI/CAN 61 (North America).

Optional: Others, contact Victaulic with your requirements.

#### Internal Product Lining (Specify Choice):

Standard: Liquid Epoxy conforming with AWWA C210 and NSF Certified in accordance with NSF/ANSI/CAN 61 (North America).

Optional: Cement/Mortar Type 2 Lining conforming to AWWA C205.

Optional: Others, contact Victaulic with your requirements.

#### Seal: (Specify Choice)

##### Grade "E" EPDM

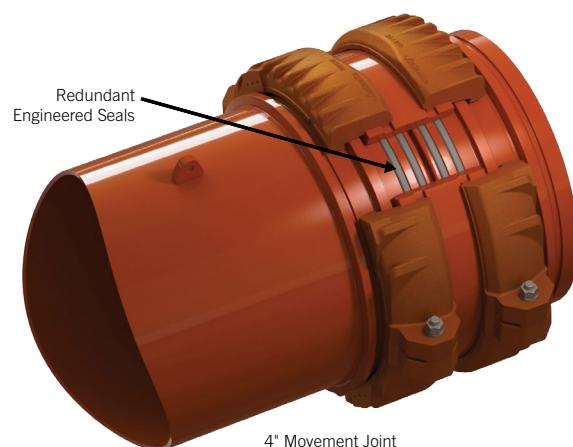
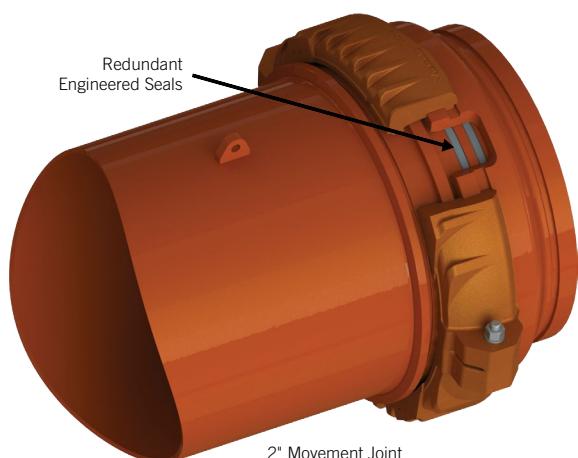
EPDM. Temperature range 32°F to +150°F/0°C to +66°C. May be specified for hot water service within the specified temperature range plus a variety of dilute acids, oil – free air and many chemical services. UL Classified in accordance with ANSI/NSF 61 for cold +73°F/+23°C and hot +150°F/+66°C potable water service and ANSI/NSF 372. NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES OR STEAM SERVICES.

##### Grade "T" Nitrile

Nitrile. Temperature range 32°F to +150°F/0°C to +66°C. May be specified for oil related services, including air with oil vapor, this seal may be specified for temperatures rated up to +150°F/+66°C. For water related services, this seal may be specified for temperatures rated up to +150°F/+66°C. For oil free, dry air services, this seal may be specified for temperatures rated up to +140°F/+60°C. NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES OR STEAM SERVICES.

#### NOTE

- Services listed are General Service Guidelines only. It should be noted that there are services for which these seals are not compatible. References should always be made to sections 9.0 – 9.2 of the latest [Victaulic Seal Selection Guide](#) for specific seal service guidelines and for a listing of services which are not compatible.



### 3.0 SPECIFICATIONS – MATERIAL (CONTINUED)

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#### Bolts/Nuts:

##### For 14 – 60"/DN350 – DN1500:

- Bolts: Heavy hex per ASTM F593 Group 2 (316 Stainless Steel), condition CW (F593H).
- Nuts: Heavy hex nuts per ASTM F594 Group 2 (316 Stainless Steel), condition CW (F594H).
- Washers: Flat (316 stainless steel).

#### End Connections:

Standard: Victaulic coupling (Style W77/W77B final connection couplings included, refer to [publication 20.03](#)).

Optional: Flanged.

Optional: Plain End.

#### NOTE

- Victaulic will provide couplings and grooved end connections (as required). Please see [publication 16.12](#) for additional information.

#### Installation Configuration: (Specify Choice)

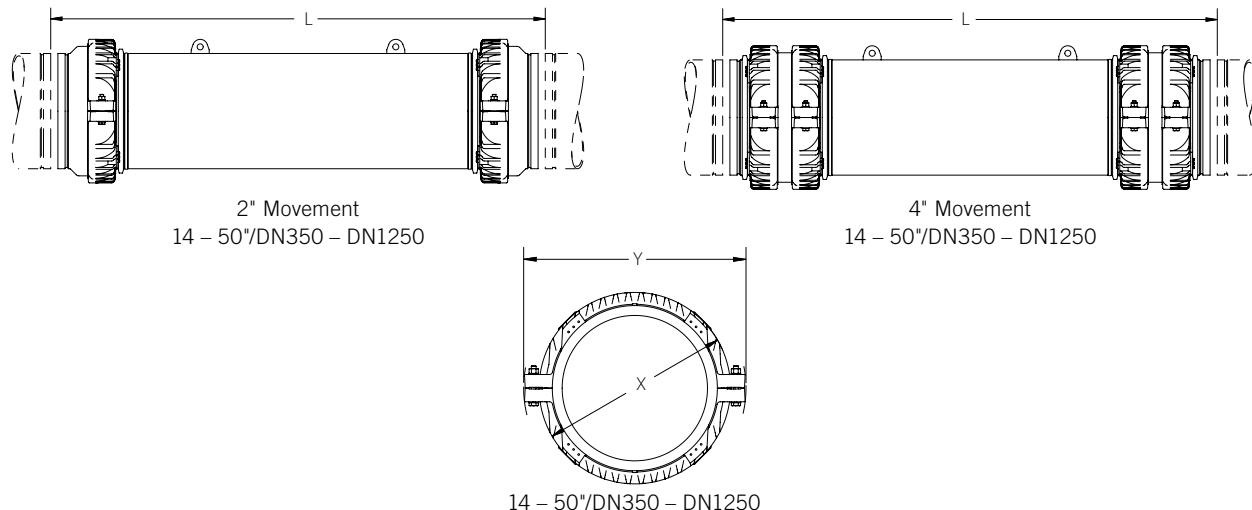
Standard: Neutral.

Optional: Fully Expanded.

#### Shipping Locks:

- Style W257N Dynamic Movement Joints are supplied as a rigid unit in the standard neutral position (or optional fully extended position per customer request). Shipping locks must be removed after installation and proper support of the unit, and prior to testing and/or placing in service.
- Shipping locks are temporary, and intended to be used for shipping and installation purposes only.

## 4.0 DIMENSIONS



Pipe Sizes		Required AGS Coupling Size		Installed Length (Neutral) <sup>1,3</sup>	Additional Install Length (Fully Extended) <sup>2,3</sup>		Dimensions		Exposed Approx. Weights		Buried Approx. Weights	
Nominal inches mm	Actual inches DN	Exposed <sup>5</sup> inches mm	Buried <sup>6</sup> inches DN	L feet m	2"/51 mm Movement inches mm	4"/102 mm Movement inches mm	X inches mm	Y inches mm	2"/51 mm Movement lb kg	4"/102 mm Movement lb kg	2"/51 mm Movement lb kg	4"/102 mm Movement lb kg
14 DN350	14.00 355.6	14 355.6	14 355.6	6' 0" 1.83	15/16 23.8	1 1/8 47.6	19.13 486	25.75 654	900 408	1,275 579	900 408	1,275 579
16 DN400	16.00 406.4	16 406.4	16 406.4	6' 0" 1.83	15/16 23.8	1 1/8 47.6	21.38 542	28.00 712	1,100 499	1,525 692	1,100 499	1,525 692
18 DN450	18.00 457.2	18 457.2	18 457.2	6' 6" 1.98	15/16 23.8	1 1/8 47.6	23.75 604	30.50 774	1,350 613	1,900 862	1,350 613	1,900 862
20 DN500	20.00 508.0	20 508.0	20 508.0	7' 0" 2.13	15/16 23.8	1 1/8 47.6	26.25 666	33.00 838	1,575 715	2,300 1,044	1,575 715	2,300 1,044
22 DN550	22.00 558.8	22 558.8	22 558.8	7' 6" 2.29	15/16 23.8	1 1/8 47.6	28.50 724	35.25 896	1,825 828	2,625 1,191	1,825 828	2,625 1,191
24 DN600	24.00 609.6	24 609.6	24 609.6	8' 0" 2.44	15/16 23.8	1 1/8 47.6	30.75 782	37.00 940	2,350 1,066	2,925 1,327	2,350 1,066	2,925 1,327
26 DN650	26.00 660.4	26 660.4	28 711.2	8' 3" 2.51	1 25.4	2 50.8	33.75 858	40.25 1022	2,525 1,146	3,550 1,611	2,650 1,611	3,675 1,202
28 DN700	28.00 711.2	28 711.2	30 762.0	8' 3" 2.51	1 25.4	2 50.8	36.25 920	43.00 1092	2,975 1,350	4,175 1,894	3,150 1,429	4,300 1,951
30 DN750	30.00 762.0	30 812.8	32 812.8	8' 3" 2.51	1 1/8 28.6	2 1/4 57.2	38.75 984	45.75 1162	3,400 1,542	4,800 2,177	3,550 2,177	4,950 1,611
32 DN800	32.00 812.8	32 863.6	34 863.6	8' 9" 2.67	1 1/8 28.6	2 1/4 57.2	41.25 1048	48.00 1220	3,800 1,724	5,450 2,472	4,000 2,472	5,600 1,815

<sup>1</sup> Installed Length is the required opening distance between the mating pipe ends for drop in installation. For smaller install spaces, contact Victaulic.

<sup>2</sup> When specifying a unit to be delivered in the fully extended position, add the value listed in the 2"/51mm or 4"/102mm Movement column to that size's stated installed length value.

<sup>3</sup> Due to manufacturing tolerances, the nominal overall actual length of assemblies can vary depending upon configuration. For alternate tolerances, contact Victaulic.

2"/51 mm Movement Configuration: Neutral = (+/-) 7/16", Extended = (+/-) 3/16" (Additional)

4"/102 mm Movement Configurations: Neutral = (+/-) 11/16", Extended = (+/-) 3/8" (Additional)

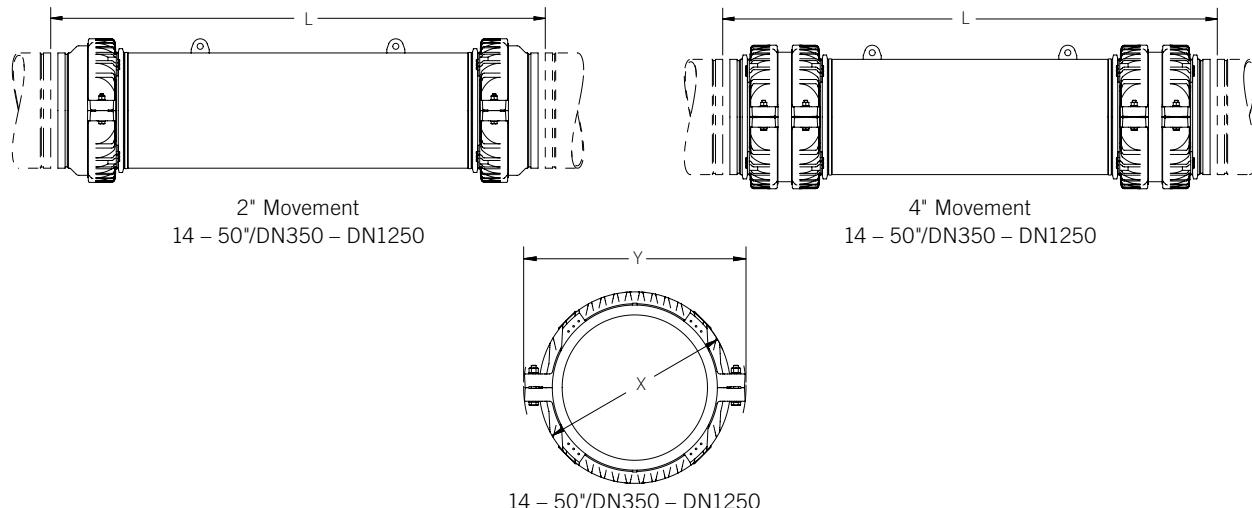
<sup>4</sup> For outside pipe diameters not shown, contact Victaulic.

<sup>5</sup> For exposed applications, pipe sizes greater than 50"/DN1250: Style W257N utilizes Vic-Ring adapters. Contact Victaulic for additional information.

<sup>6</sup> For buried applications, pipe sizes greater than 24"/DN600: Style W257N utilizes Vic-Ring adapters. Contact Victaulic for additional information.

<sup>7</sup> For movement greater than 4"/102 mm, contact Victaulic.

## 4.0 DIMENSIONS (CONTINUED)



Pipe Sizes		Required AGS Coupling Size		Installed Length (Neutral) <sup>1,3</sup>	Additional Install Length (Fully Extended) <sup>2,3</sup>		Dimensions		Exposed Approx. Weights		Buried Approx. Weights	
Nominal inches mm	Actual inches mm	Exposed <sup>5</sup> inches mm	Buried <sup>6</sup> inches mm	L feet m	2"/51 mm Movement inches mm	4"/102 mm Movement inches mm	X inches mm	Y inches mm	2"/51 mm Movement lb kg	4"/102 mm Movement lb kg	2"/51 mm Movement lb kg	4"/102 mm Movement lb kg
34 DN850	34.00 863.6	34 863.6	36 914.4	9' 3" 2.82	1 1/8 28.6	2 1/4 57.2	43.75 1112	51.00 1296	4,575 2,075	6,500 2,949	4,775 2,166	6,675 3,028
36 DN900	36.00 914.4	36 914.4	38 965.2	9' 9" 2.97	1 1/8 28.6	2 1/4 57.2	46.00 1168	53.00 1346	5,025 2,280	7,350 3,334	5,325 2,416	7,525 3,414
38 DN950	38.00 965.2	38 965.2	40 1016.0	10' 3" 3.12	1 1/8 28.6	2 1/4 57.2	48.25 1226	56.50 1436	5,550 2,518	8,050 3,652	5,750 2,608	8,225 3,731
40 DN1000	40.00 1016.0	40 1016.0	42 1066.8	10' 9" 3.28	1 1/8 28.6	2 1/4 57.2	50.50 1282	59.00 1498	6,050 2,744	8,575 3,890	6,275 2,847	8,775 3,981
42 DN1050	42.00 1066.8	42 1066.8	44 1117.6	10' 9" 3.28	1 1/8 28.6	2 1/4 57.2	53.00 1346	61.50 1562	6,675 3,028	9,625 4,366	6,900 3,130	9,850 4,468
44 DN1100	44.00 1117.6	44 1117.6	46 1168.4	11' 6" 3.51	1 1/8 28.6	2 1/4 57.2	55.50 1410	64.00 1626	7,325 3,323	10,400 4,718	7,575 3,436	10,625 4,820
46 DN1150	46.00 1168.4	46 1168.4	48 1219.2	11' 6" 3.51	1 1/8 28.6	2 1/4 57.2	58.00 1474	66.00 1676	7,975 3,618	11,400 5,171	8,200 3,720	11,625 5,273
48 DN1200	48.00 1219.2	48 1219.2	50 1270.0	12' 6" 3.81	1 1/8 28.6	2 1/4 57.2	60.00 1524	69.00 1752	8,800 3,992	12,500 5,670	9,275 4,207	12,750 5,784
50 DN1250	50.00 1270.0	50 1270.0	52 1320.8	12' 9" 3.89	1 1/8 28.6	2 1/4 57.2	62.50 1588	71.50 1816	9,950 4,513	14,225 6,453	10,275 4,661	14,500 6,577

<sup>1</sup> Installed Length is the required opening distance between the mating pipe ends for drop in installation. For smaller install spaces, contact Victaulic.

<sup>2</sup> When specifying a unit to be delivered in the fully extended position, add the value listed in the 2"/51mm or 4"/102mm Movement column to that size's stated installed length value.

<sup>3</sup> Due to manufacturing tolerances, the nominal overall actual length of assemblies can vary depending upon configuration. For alternate tolerances, contact Victaulic.

2"/51 mm Movement Configuration: Neutral = (+/-) 7/16", Extended = (+/-) 3/16" (Additional)

4"/102 mm Movement Configurations: Neutral = (+/-) 11/16", Extended = (+/-) 3/8" (Additional)

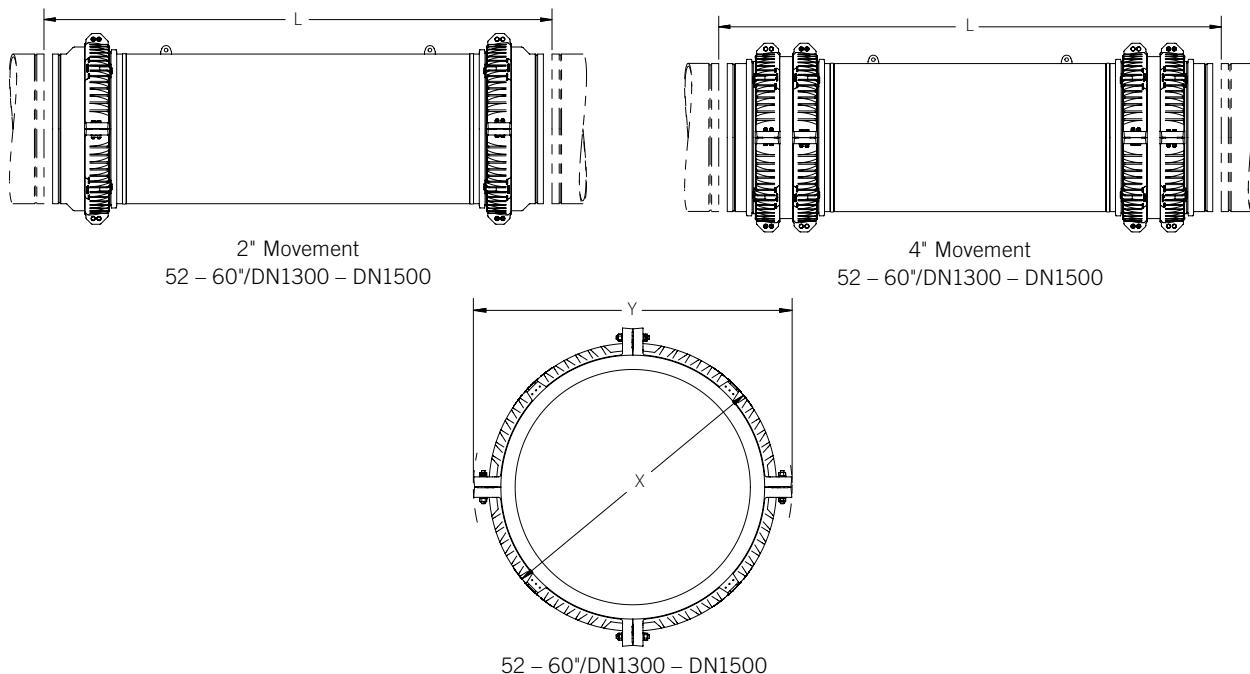
<sup>4</sup> For outside pipe diameters not shown, contact Victaulic.

<sup>5</sup> For exposed applications, pipe sizes greater than 50"/DN1250: Style W257N utilizes Vic-Ring adapters. Contact Victaulic for additional information.

<sup>6</sup> For buried applications, pipe sizes greater than 24"/DN600: Style W257N utilizes Vic-Ring adapters. Contact Victaulic for additional information.

<sup>7</sup> For movement greater than 4"/102 mm, contact Victaulic.

## 4.0 DIMENSIONS (CONTINUED)



Pipe Sizes		Required AGS Coupling Size		Installed Length (Neutral) <sup>1,3</sup>	Additional Install Length (Fully Extended) <sup>2,3</sup>		Dimensions		Exposed Approx. Weights		Buried Approx. Weights	
Nominal inches mm	Actual inches DN	Exposed <sup>5</sup> inches mm	Buried <sup>6</sup> inches DN	L feet m	2"/51 mm Movement inches mm	4"/102 mm Movement inches mm	X inches mm	Y inches mm	2"/51 mm Movement lb kg	4"/102 mm Movement lb kg	2"/51 mm Movement lb kg	4"/102 mm Movement lb kg
52 DN1300	52.00 1320.8	54 1371.6	54 1371.6	13' 9" 4.19	1 1/8 28.6	2 1/4 57.2	65.00 1652	74.00 1880	12,625 5,727	17,650 8,006	12,625 5,727	17,650 8,006
54 DN1350	54.00 1371.6	56 1422.4	56 1422.4	13' 9" 4.19	1 1/8 28.6	2 1/4 57.2	67.50 1714	77.00 1956	13,400 6,078	19,100 8,664	13,400 6,078	19,100 8,664
56 DN1400	56.00 1422.4	58 1473.2	58 1473.2	14' 0" 4.27	1 1/8 28.6	2 1/4 57.2	70.00 1778	79.50 2020	14,550 6,600	20,850 9,458	14,550 6,600	20,850 9,458
58 DN1450	58.00 1473.2	60 1524.0	60 1524.0	15' 0" 4.57	1 1/8 28.6	2 1/4 57.2	72.00 1828	81.50 2070	15,700 7,122	22,100 10,025	15,700 7,122	22,100 10,025
60 DN1500	60.00 1524.0	62 1574.8	62 1574.8	15' 0" 4.57	1 1/8 28.6	2 1/4 57.2	74.50 1892	85.50 2172	16,975 7,700	23,975 10,875	16,975 7,700	23,975 10,875

<sup>1</sup> Installed Length is the required opening distance between the mating pipe ends for drop in installation. For smaller install spaces, contact Victaulic.

<sup>2</sup> When specifying a unit to be delivered in the fully extended position, add the value listed in the 2"/51mm or 4"/102mm Movement column to that size's stated installed length value.

<sup>3</sup> Due to manufacturing tolerances, the nominal overall actual length of assemblies can vary depending upon configuration. For alternate tolerances, contact Victaulic.

2"/51 mm Movement Configuration: Neutral = (+/-) 7/16", Extended = (+/-) 3/16" (Additional)

4"/102 mm Movement Configurations: Neutral = (+/-) 11/16", Extended = (+/-) 3/8" (Additional)

<sup>4</sup> For outside pipe diameters not shown, contact Victaulic.

<sup>5</sup> For exposed applications, pipe sizes greater than 50"DN1250: Style W257N utilizes Vic-Ring adapters. Contact Victaulic for additional information.

<sup>6</sup> For buried applications, pipe sizes greater than 24"DN600: Style W257N utilizes Vic-Ring adapters. Contact Victaulic for additional information.

<sup>7</sup> For movement greater than 4"/102 mm, contact Victaulic.

## 4.1 DIMENSIONS

### Grooved End Connections

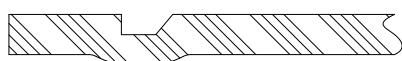


Figure 1

Roll Grooved Pipe For:  
Standard Exposed: 14 – 50"/DN350 – DN1250  
*Optional* Exposed: N/A  
Standard Buried: 14 – 24"/DN350-DN600  
*Optional* Buried: N/A

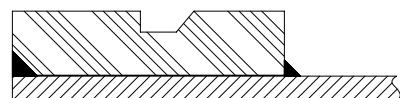


Figure 2

Type "D" Vic-Ring Adapter For:  
Standard Exposed: 52 – 60"/DN1300 – DN1500  
*Optional* Exposed: All sizes  
Standard Buried: 26 – 38"/DN650-DN950  
*Optional* Buried: 14 – 24"/DN350-DN600



Figure 3

Type "B" Vic-Ring Adapter For:  
Standard Exposed: N/A  
*Optional* Exposed: All sizes  
Standard Buried: N/A  
*Optional* Buried: 14 – 38"/DN350 – DN950

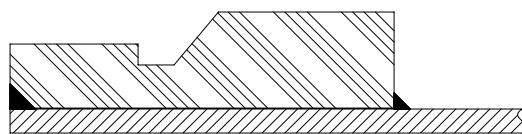


Figure 4

Type "D" Vic-Ring Adapter For:  
Standard Exposed: N/A  
*Optional* Exposed: All sizes  
Standard Buried: 40 – 50"/DN1000 – DN1250  
*Optional* Buried: N/A

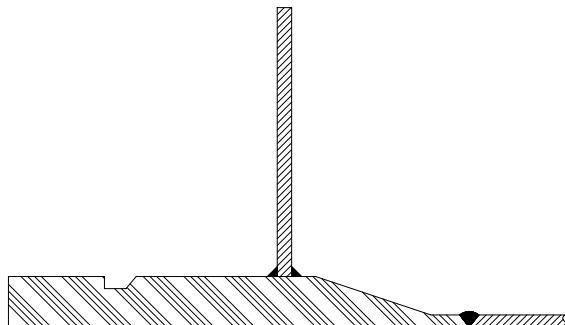


Figure 5

Type "B" Vic-Ring Adapter With Reinforcement Collar For:  
Standard Exposed: N/A  
*Optional* Exposed: All sizes  
Standard Buried: 52 – 60"/DN1300 – DN1500  
*Optional* Buried: 14 – 50"/DN350 – DN1250

### NOTE

- Please see [publication 16.12](#) for additional information.

## 5.0 PERFORMANCE

Pipe Sizes		Required AGS Coupling Sizes		Performance	Exposed		Buried		
Nominal inches DN	Actual inches mm	Exposed <sup>10</sup> inches mm	Buried <sup>11</sup> inches mm		Maximum Allowable Shear <sup>9</sup>		Maximum Allowable Shear <sup>9</sup>		
					Activation Moment <sup>8</sup> 150 psi/1034 kPa ft-lbs N-m	Load at 0 psi/0 kPa lbf N	Load at 150 psi/1034 kPa lbf N	Load at 0 psi/0 kPa lbf N	
14 DN350	14.00 355.6	14 355.6	14 355.6	16,500 22,400	33,500 149,016	24,000 106,758	33,500 149,016	24,000 106,758	
16 DN400	16.00 406.4	16 406.4	16 406.4	24,000 32,500	33,500 149,016	23,000 102,310	33,500 149,016	23,000 102,310	
18 DN450	18.00 457.2	18 457.2	18 457.2	33,500 45,400	33,500 149,016	22,000 97,860	33,500 149,016	22,000 97,860	
20 DN500	20.00 508.0	20 508.0	20 508.0	45,000 61,000	44,500 197,946	32,000 142,344	44,500 197,946	32,000 142,344	
22 DN550	22.00 558.8	22 558.8	22 558.8	59,000 80,000	44,500 197,946	30,000 133,446	44,500 197,946	30,000 133,446	
24 DN600	24.00 609.6	24 609.6	24 609.6	76,000 103,000	44,500 197,946	29,000 128,998	44,500 197,946	29,000 128,998	
26 DN650	26.00 660.4	26 660.4	28 711.2	99,000 134,200	89,000 395,892	71,000 315,824	89,000 395,892	69,000 306,928	
28 DN700	28.00 711.2	28 711.2	30 762.0	125,000 169,500	89,000 395,892	69,000 306,928	105,000 467,064	85,000 378,098	
30 DN750	30.00 762.0	30 762.0	32 812.8	155,000 210,200	105,000 467,064	85,000 378,098	105,000 467,064	84,000 373,650	
32 DN800	32.00 812.8	32 812.8	34 863.6	185,000 250,800	105,000 467,064	84,000 373,650	105,000 467,064	82,000 364,754	
34 DN850	34.00 863.6	34 863.6	36 914.4	230,000 311,800	105,000 467,064	82,000 364,754	105,000 467,064	82,000 364,754	
36 DN900	36.00 914.4	36 914.4	38 965.2	270,000 366,100	105,000 467,064	82,000 364,754	105,000 467,064	80,000 355,858	
38 DN950	38.00 965.2	38 965.2	40 1016.0	315,000 427,100	105,000 467,064	80,000 355,858	105,000 467,064	79,000 351,410	
40 DN1000	40.00 1016.0	40 1016.0	42 1066.8	365,000 494,900	105,000 467,064	79,000 351,410	105,000 467,064	78,000 346,962	
42 DN1050	42.00 1066.8	42 1066.8	44 1117.6	420,000 569,400	105,000 467,064	78,000 346,962	105,000 467,064	77,000 342,514	
44 DN1100	44.00 1117.6	44 1117.6	46 1168.4	480,000 650,800	105,000 467,064	77,000 342,514	105,000 467,064	75,000 333,616	
46 DN1150	46.00 1168.4	46 1168.4	48 1219.2	550,000 745,700	105,000 467,064	75,000 333,616	105,000 467,064	74,000 329,168	
48 DN1200	48.00 1219.2	48 1219.2	50 1270.0	620,000 840,600	105,000 467,064	74,000 329,168	105,000 467,064	73,000 324,720	
50 DN1250	50.00 1270.0	50 1270.0	52 1320.8	700,000 949,100	105,000 467,064	73,000 324,720	215,000 956,368	155,000 689,474	
52 DN1300	52.00 1320.8	52 1371.6	54 1371.6	780,000 1,057,500	215,000 956,368	155,000 689,474	215,000 956,368	155,000 689,474	
54 DN1350	54.00 1371.6	54 1422.4	56 1422.4	870,000 1,179,600	215,000 956,368	155,000 689,474	215,000 956,368	155,000 689,474	
56 DN1400	56.00 1422.4	56 1473.2	58 1473.2	970,000 1,315,100	215,000 956,368	150,000 667,234	215,000 956,368	150,000 667,234	
58 DN1450	58.00 1473.2	58 1524.0	60 1524.0	1,070,000 1,450,700	215,000 956,368	145,000 644,992	215,000 956,368	145,000 644,992	
60 DN1500	60.00 1524.0	62 1574.8	62 1574.8	1,180,000 1,599,900	215,000 956,368	145,000 644,992	215,000 956,368	145,000 644,992	

<sup>8</sup> Victaulic Style W257N Dynamic Movement Joints require an activation moment resulting in reaction forces and moments in the system. This moment is linearly proportional to the system MAWP (Maximum Allowable Working Pressure) and can be determined for system design pressure through this linear relationship. The design activation moment shall be used for piping system and structural design purposes.

<sup>9</sup> Victaulic Style W257N Dynamic Movement Joints will be subject to shear loads. The allowable shear load at 0 psi/0 kPa and the allowable shear load at MAWP (150 psi/1034 kPa) are provided in this table. The minimum and maximum shear loads are linearly proportional and can be determined for system design pressure through this linear relationship. The system shear load shall be used for piping system design and structural design purposes.

<sup>10</sup> For exposed applications, pipe sizes greater than 50"/DN1250: Style W257N utilizes Vic-Ring adapters. Contact Victaulic for additional information.

<sup>11</sup> For buried applications, pipe sizes greater than 24"/DN600: Style W257N utilizes Vic-Ring adapters. Contact Victaulic for additional information.

## 6.0 NOTIFICATIONS

### WARNING

- **Read and understand all instructions before attempting to install any Victaulic products.**
- **Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.**
- **Confirm that any equipment, branch lines, or sections of piping that may have been isolated for/during testing or due to valve closures/positioning are identified, depressurized, and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.**
- **Wear safety glasses, hardhat, and foot protection.**
- **Adjoining pipe shall have ends that are prepared to Victaulic Advanced Groove System (AGS) specifications.**
- **Victaulic AGS products SHALL NOT be installed on pipe ends that are prepared to Original Groove System (OGS) specifications.**

**Failure to follow these instructions could joint failure, resulting in death or serious personal injury and property damage.**

## 7.0 REFERENCE MATERIALS

[02.06: Potable Water Approvals](#)

[05.01: Seal Selection Guide](#)

[10.01: Regulatory Approval Reference Guide](#)

[16.12: Style W77 AGS Vic-Ring Systems](#)

[20.03: Style W77 AGS Coupling](#)

[20.05: AGS Grooved End Fittings](#)

[25.09: Advanced Groove System \(AGS\) Roll Groove Specifications](#)

[26.01: Design Data](#)

[29.01: Terms and Conditions/Warranty](#)

[I-W100: Field Installation Handbook Advanced Groove System Products](#)

#### **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](#).

#### **Warranty**

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

#### **Trademarks**

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