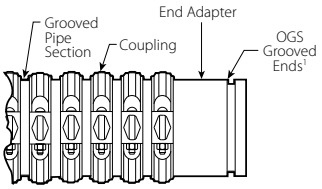
Victaulic Expansion Joint for OGS Piping Systems
Style 155

09.05



Exaggerated for Clarity

1.0 PRODUCT DESCRIPTION

Available Sizes

- ¾ – 12"/DN20 – DN300

Pipe Material

- Carbon steel

NOTE

- For other materials, contact Victaulic.

Maximum Working Pressure

- Equal to either the pressure rating of the couplings used in the expansion joint assembly or the couplings used to connect the grooved ends to the system piping, whichever is lower.

Function

- Allows for linear/axial expansion and compression within a piping system.
- Provides increased linear movement capabilities when compared to standard flexible grooved joints.

[1] For different end connections, contact Victaulic.

NOTE

- Applications that require NSF 61-approved products should specify the Victaulic Style 155P Expansion Joint for OGS Potable Water Piping Systems (publication 09.25).

2.0 CERTIFICATION/LISTINGS

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

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

3.0 SPECIFICATIONS - MATERIAL

Housing:

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

☐ Optional: Ductile iron conforming to ASTM A395, Grade 65-45-15. Available upon request.

Grooved Pipe Sections and End Adapters:

- ¾ – 4"/DN20 – DN100: Schedule 40 carbon steel conforming to ASTM A53, Type F.
- 5 & 6"/DN125 & DN150: Schedule 40 carbon steel conforming to ASTM A53, Type E or S, Grade B.
- 8 – 12"/DN200 – DN300: Schedule 30 carbon steel conforming to ASTM A53, Type E or S, Grade B.

NOTE

- For other materials, contact Victaulic.

Coatings

Housings (specify choice):

☐ Standard: Orange coating.

☐ Optional: Hot dipped galvanized as per ASTM A123.[2]

☐ Optional: Contact Victaulic with your requirements for other coatings.

Grooved Pipe Sections and End Adapters (specify choice):

☐ Standard: As-received carbon steel pipe.

☐ Optional: Hot dipped galvanized as per ASTM A123.[2]

☐ Optional: Contact Victaulic with your requirements for other coatings.

[2] When using the hot dipped galvanized coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. The following reduction factors shall be applied to the "maximum linear movement" values:

- For either hot dipped galvanized couplings or pipe sections, reduce "maximum linear movement" by 20%.
- For both hot dipped galvanized couplings and pipe sections, reduce "maximum linear movement" by 40%.

Gasket: (specify choice)[3]

☐ **Grade "E" EPDM**
EPDM (Green stripe color code). Temperature range –30°F to +230°F/ –34°C to +110°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. NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES OR STEAM SERVICES.

☐ **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, hydrocarbons, air with oil vapors, vegetable and mineral oils within the specified temperature range. Not compatible for hot dry air over +140°F/+60°C and water over +150°F/+66°C. NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES OR STEAM SERVICES.

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

Bolts/Nuts: (specify choice)[4]

☐ 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 mechanical property 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 FE/ZN5, finish Type III (imperial) or Type II (metric).

☐ Optional (imperial): Stainless steel oval neck track bolts meeting the mechanical property requirements of ASTM F593, Group 2 (316 Stainless Steel), condition CW. Stainless steel heavy nuts meeting the mechanical property requirements of ASTM F594, Group 2 (316 stainless steel), condition CW, with galling reducing coating.

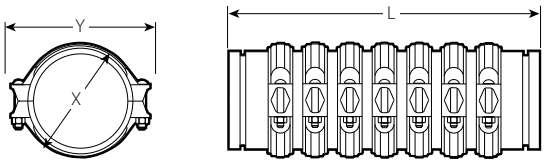
[4] Optional bolts/nuts are available in imperial sizes only.

3.0 SPECIFICATIONS - MATERIAL (CONTINUED)

NOTES

- When using the hot dipped galvanized coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. The following reduction factors shall be applied to the “maximum linear movement” values:
  - For either hot dipped galvanized couplings or pipe sections, reduce “maximum linear movement” by 20%.
  - For both hot dipped galvanized couplings and pipe sections, reduce “maximum linear movement” by 40%.
- For different end connections, contact Victaulic.
- Clamps and tie rods are provided with the Style 155 to maintain the expansion joint's set length during shipping, installation, and placement of anchoring. Following expansion joint installation, the tie rods shall be removed. Note: In vertical applications, piping deadweight loads shall not be transmitted across these clamps and tie rods during the construction of the piping system.
- For installation requirements for the Style 155 expansion joint, see publication 09.06: Victaulic Expansion Joint Installation.
- For AGS piping systems, the Style W155 AGS Expansion is available for sizes 14 – 24"/DN350 – DN600. See publication 20.12: Victaulic AGS Expansion Joints - Style W155.

4.0 DIMENSIONS



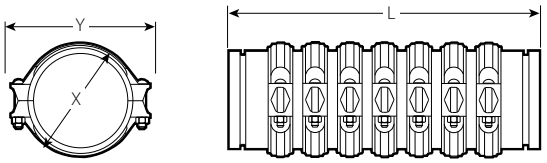
Size		Coupling Style Number	Maximum Linear Movement[5]	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm		inches mm	Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. Each lbs. kg
¾ DN20	1.050 26.9	Style 77	0.19 5	6.00 152	6.09 155	6.17 157	2.13 54	4.00 102	1.8 0.8
			0.38 10	8.25 210	8.43 214	8.61 219			3.2 1.5
			0.57 14	10.50 267	10.78 276	11.05 281			4.6 2.1
			0.76 19	12.75 324	13.12 333	13.49 343			6.0 2.7
			0.95 24	15.00 381	15.47 393	15.93 405			7.4 3.4
			1.14 29	17.25 438	17.81 452	18.37 467			8.8 4.0
			1.33 34	19.50 495	20.16 512	20.81 529			10.2 4.6
			1.52 39	21.75 552	22.50 572	23.25 591			11.6 5.3
			1.71 43	24.00 610	24.85 631	25.69 653			13.1 5.9
			1.90 48	26.25 667	27.19 690	28.13 715			14.5 6.6
			2.09 53	28.50 724	29.54 750	30.57 776			15.9 7.2
			2.28 58	30.75 781	31.88 810	33.01 838			17.3 7.9
1 DN25	1.315 33.7	Style 77	0.19 5	6.00 152	6.09 155	6.17 157	2.38 61	4.12 105	2.2 1.0
			0.38 10	8.25 203	8.43 214	8.61 219			4.0 1.8
			0.57 14	10.50 267	10.78 276	11.05 281			5.7 2.6
			0.76 19	12.75 324	13.12 333	13.49 343			7.4 3.4
			0.95 24	15.00 381	15.47 393	15.93 405			9.1 4.1
			1.14 29	17.25 438	17.81 452	18.37 467			10.8 4.9
			1.33 34	19.50 495	20.16 512	20.81 529			12.5 5.7
			1.52 39	21.75 552	22.50 572	23.25 591			14.2 6.4
			1.71 43	24.00 610	24.85 631	25.69 653			16.0 7.3
			1.90 48	26.25 667	27.19 690	28.13 715			17.7 8.0
			2.09 53	28.50 724	29.54 750	30.57 776			19.4 8.8
			2.28 58	30.75 781	31.88 810	33.01 838			21.1 9.6

[5] When using the hot dipped galvanized coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in section 3.0 Specifications - Material on page 2 for more information.

NOTES

- For Style 77 coupling performance and dimensional data, refer to publication 06.05: Victaulic Style 77 Flexible Coupling.
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements.
- Joints installed horizontally require independent support.

4.0 DIMENSIONS (CONTINUED)



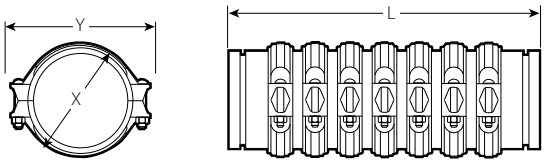
Size		Coupling Style Number	Maximum Linear Movement[5] inches mm	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm			Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. Each lbs. kg
1 ¼ DN32	1.660 42.4	Style 77	0.19 5	8.00 203	8.09 205	8.17 208	2.65 67	5.00 127	3.6 1.6
			0.38 10	10.25 260	10.43 265	10.61 269			6.1 2.8
			0.57 14	12.50 318	12.78 325	13.05 331			8.7 3.9
			0.76 19	14.75 375	15.12 384	15.49 393			11.2 5.1
			0.95 24	17.00 432	17.47 444	17.93 455			13.7 6.2
			1.14 29	19.25 489	19.81 503	20.37 517			16.2 7.4
			1.33 34	21.50 546	22.16 563	22.81 579			18.8 8.5
			1.52 39	23.75 603	24.50 622	25.25 641			21.3 9.7
			1.71 43	26.00 660	26.85 682	27.69 703			23.8 10.8
			1.90 48	28.25 718	29.19 741	30.13 765			26.3 11.9
			2.09 53	30.50 775	31.54 801	32.57 827			28.9 13.1
			2.28 58	32.75 832	33.88 861	35.01 889			31.4 14.2
1 ½ DN40	1.900 48.3	Style 77	0.19 5	8.00 203	8.09 205	8.17 208	3.13 79	5.38 137	4.1 1.9
			0.38 10	10.25 260	10.43 265	10.61 269			6.9 3.1
			0.57 14	12.50 318	12.78 325	13.05 331			9.7 4.4
			0.76 19	14.75 375	15.12 384	15.49 393			12.5 5.7
			0.95 24	17.00 432	17.47 444	17.93 455			15.4 7.0
			1.14 29	19.25 489	19.81 503	20.37 517			18.2 8.3
			1.33 34	21.50 546	22.16 563	22.81 579			21.0 9.5
			1.52 39	23.75 603	24.50 622	25.25 641			23.8 10.8
			1.71 43	26.00 660	26.85 682	27.69 703			26.6 12.1
			1.90 48	28.25 718	29.19 741	30.13 765			29.4 13.3
			2.09 53	30.50 775	31.54 801	32.57 827			32.2 14.6
			2.28 58	32.75 832	33.88 861	35.01 889			35.0 15.9

[5] When using the hot dipped galvanized coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in section 3.0 Specifications - Material on page 2 for more information.

NOTES

- For Style 77 coupling performance and dimensional data, refer to publication 06.05: Victaulic Style 77 Flexible Coupling.
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements.
- Joints installed horizontally require independent support.

4.0 DIMENSIONS (CONTINUED)



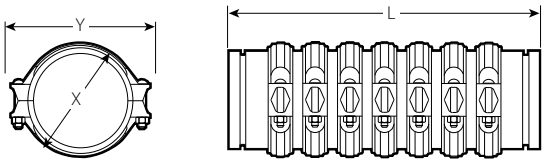
Size		Coupling Style Number	Maximum Linear Movement[5] inches mm	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm			Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. Each lbs. kg
2 DN50	2.375 60.3	Style 75	0.19 5	8.00 203	8.09 205	8.17 208	3.43 87	5.22 1.33	4.0 1.8
			0.38 10	10.25 260	10.43 265	10.61 269			6.3 2.9
			0.57 14	12.50 318	12.78 325	13.05 331			8.6 3.9
			0.76 19	14.75 375	15.12 384	15.49 393			10.9 4.9
			0.95 24	17.00 432	17.47 444	17.93 455			13.2 6.0
			1.14 29	19.25 489	19.81 503	20.37 517			15.5 7.0
			1.33 34	21.50 546	22.16 563	22.81 579			17.7 8.0
			1.52 39	23.75 603	24.50 622	25.25 641			20.0 9.1
			1.71 43	26.00 660	26.85 682	27.69 703			22.3 10.1
			1.90 48	28.25 718	29.19 741	30.13 765			24.6 11.2
			2.09 53	30.50 775	31.54 801	32.57 827			26.9 12.2
			2.28 58	32.75 832	33.88 861	35.01 889			29.2 13.3
2 ½	2.875 73.0	Style 75	0.19 5	8.00 203	8.09 205	8.17 208	3.88 98	5.68 144	5.9 2.7
			0.38 10	10.25 260	10.43 265	10.61 269			8.9 4.0
			0.57 14	12.50 318	12.78 325	13.05 331			12.0 5.4
			0.76 19	14.75 375	15.12 384	15.49 393			15.1 6.8
			0.95 24	17.00 432	17.47 444	17.93 455			18.2 8.3
			1.14 29	19.25 489	19.81 503	20.37 517			21.3 9.7
			1.33 34	21.50 546	22.16 563	22.81 579			24.4 11.1
			1.52 39	23.75 603	24.50 622	25.25 641			27.5 12.5
			1.71 43	26.00 660	26.85 682	27.69 703			30.5 13.8
			1.90 48	28.25 718	29.19 741	30.13 765			33.6 15.2
			2.09 53	30.50 775	31.54 801	32.57 827			36.7 16.6
			2.28 58	32.75 832	33.88 861	35.01 889			39.8 18.1

[5] When using the hot dipped galvanized coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in section 3.0 Specifications - Material on page 2 for more information.

NOTES

- For Style 75 coupling performance and dimensional data, refer to publication 06.05: Victaulic Style 75 Flexible Coupling.
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements.
- Joints installed horizontally require independent support.

4.0 DIMENSIONS (CONTINUED)



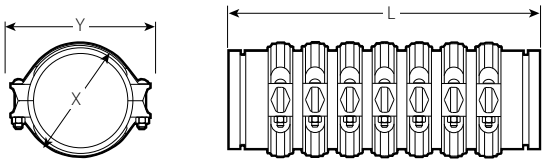
Size		Coupling Style Number	Maximum Linear Movement[5] inches mm	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm			Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. Each lbs. kg
DN65	3.000 76.1	Style 75	0.19 5	8.00 203	8.09 205	8.17 208	3.88 98	5.68 144	5.9 2.7
			0.38 10	10.25 260	10.43 265	10.61 269			8.9 4.0
			0.57 14	12.50 318	12.78 325	13.05 331			12.0 5.4
			0.76 19	14.75 375	15.12 384	15.49 393			15.1 6.8
			0.95 24	17.00 432	17.47 444	17.93 455			18.2 8.3
			1.14 29	19.25 489	19.81 503	20.37 517			21.3 9.7
			1.33 34	21.50 546	22.16 563	22.81 579			24.4 11.1
			1.52 39	23.75 603	24.50 622	25.25 641			27.5 12.5
			1.71 43	26.00 660	26.85 682	27.69 703			30.5 13.8
			1.90 48	28.25 718	29.19 741	30.13 765			33.6 15.2
			2.09 53	30.50 775	31.54 801	32.57 827			36.7 16.6
			2.28 58	32.75 832	33.88 861	35.01 889			39.8 18.1
3 DN80	3.500 88.9	Style 75	0.19 5	8.00 203	8.09 205	8.17 208	4.50 114	5.90 150	7.6 3.5
			0.38 10	10.25 260	10.43 265	10.61 269			11.5 5.2
			0.57 14	12.50 318	12.78 325	13.05 331			15.4 7.0
			0.76 19	14.75 375	15.12 384	15.49 393			19.3 8.8
			0.95 24	17.00 432	17.47 444	17.93 455			23.2 10.5
			1.14 29	19.25 489	19.81 503	20.37 517			27.2 12.3
			1.33 34	21.50 546	22.16 563	22.81 579			31.1 14.1
			1.52 39	23.75 603	24.50 622	25.25 641			35.0 15.9
			1.71 43	26.00 660	26.85 682	27.69 703			38.9 17.7
			1.90 48	28.25 718	29.19 741	30.13 765			42.8 19.4
			2.09 53	30.50 775	31.54 801	32.57 827			46.8 21.2
			2.28 58	32.75 832	33.88 861	35.01 889			50.7 23.0

[5] When using the hot dipped galvanized coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in section 3.0 Specifications - Material on page 2 for more information.

NOTES

- For Style 75 coupling performance and dimensional data, refer to publication 06.05: Victaulic Style 75 Flexible Coupling.
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements.
- Joints installed horizontally require independent support.

4.0 DIMENSIONS (CONTINUED)



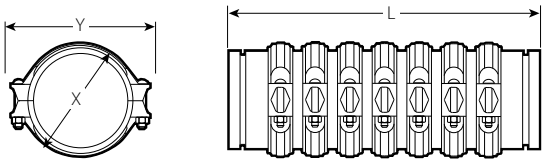
Size		Coupling Style Number	Maximum Linear Movement[5] inches mm	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm			Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. Each lbs. kg
4 DN100	4.500 114.3	Style 75	0.25 6	11.97 304	12.10 307	12.22 310	5.80 147	8.03 204	3.5 1.6
			0.50 13	14.35 364	14.60 371	14.85 377			7.0 3.2
			0.75 19	16.73 425	17.11 435	17.48 444			10.5 4.8
			1.00 25	19.11 485	19.61 498	20.11 511			14.0 6.4
			1.25 32	21.49 546	22.12 562	22.74 578			17.5 7.9
			1.50 38	23.87 606	24.62 625	25.37 644			21.0 9.5
			1.75 44	26.25 667	27.13 689	28.00 711			24.5 11.1
			2.00 51	28.63 727	29.63 753	30.63 778			28.0 12.7
			2.25 57	31.01 788	32.14 816	33.26 845			31.5 14.3
			2.50 64	33.39 848	34.64 880	35.89 912			35.0 15.9
			2.75 70	35.77 909	37.15 944	38.52 978			38.5 17.5
			3.00 76	38.15 969	39.65 1007	41.15 1045			42.0 19.1
5	5.563 141.3	Style 75	0.25 6	11.97 304	12.10 307	12.22 310	6.88 175	10.07 256	5.5 2.5
			0.50 13	14.35 364	14.60 371	14.85 377			11.0 5.0
			0.75 19	16.73 425	17.11 435	17.48 444			16.5 7.5
			1.00 25	19.11 485	19.61 498	20.11 511			22.0 10.0
			1.25 32	21.49 546	22.12 562	22.74 578			27.5 12.5
			1.50 38	23.87 606	24.62 625	25.37 644			33.0 15.0
			1.75 44	26.25 667	27.13 689	28.00 711			38.5 17.5
			2.00 51	28.63 727	29.63 753	30.63 778			44.0 20.0
			2.25 57	31.01 788	32.14 816	33.26 845			49.5 22.5
			2.50 64	33.39 848	34.64 880	35.89 912			55.0 24.9
			2.75 70	35.77 909	37.15 944	38.52 978			60.5 27.4
			3.00 76	38.15 969	39.65 1007	41.15 1045			66.0 29.9

[5] When using the hot dipped galvanized coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in section 3.0 Specifications - Material on page 2 for more information.

NOTES

- For Style 75 coupling performance and dimensional data, refer to publication 06.05: Victaulic Style 75 Flexible Coupling.
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements.
- Joints installed horizontally require independent support.

4.0 DIMENSIONS (CONTINUED)



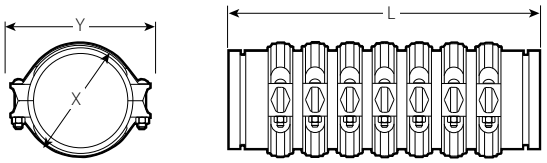
Size		Coupling Style Number	Maximum Linear Movement[5] inches mm	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm			Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. Each lbs. kg
DN125	5.500 139.7	Style 75	0.25 6	11.97 304	12.10 307	12.22 310	6.88 175	10.07 256	5.5 2.5
			0.50 13	14.35 364	14.60 371	14.85 377			11.0 5.0
			0.75 19	16.73 425	17.11 435	17.48 444			16.5 7.5
			1.00 25	19.11 485	19.61 498	20.11 511			22.0 10.0
			1.25 32	21.49 546	22.12 562	22.74 578			27.5 12.5
			1.50 38	23.87 606	24.62 625	25.37 644			33.0 15.0
			1.75 44	26.25 667	27.13 689	28.00 711			38.5 17.5
			2.00 51	28.63 727	29.63 753	30.63 778			44.0 20.0
			2.25 57	31.01 788	32.14 816	33.26 845			49.5 22.5
			2.50 64	33.39 848	34.64 880	35.89 912			55.0 24.9
			2.75 70	35.77 909	37.15 944	38.52 978			60.5 27.4
			3.00 76	38.15 969	39.65 1007	41.15 1045			66.0 29.9
6 DN150	6.625 168.3	Style 75	0.25 6	11.97 304	12.10 307	12.22 310	8.00 203	11.07 281	6.7 3.0
			0.50 13	14.35 364	14.60 371	14.85 377			13.4 6.1
			0.75 19	16.73 425	17.11 435	17.48 444			20.1 9.1
			1.00 25	19.11 485	19.61 498	20.11 511			26.8 12.2
			1.25 32	21.49 546	22.12 562	22.74 578			33.5 15.2
			1.50 38	23.87 606	24.62 625	25.37 644			40.2 18.2
			1.75 44	26.25 667	27.13 689	28.00 711			46.9 21.3
			2.00 51	28.63 727	29.63 753	30.63 778			53.6 24.3
			2.25 57	31.01 788	32.14 816	33.26 845			60.3 27.4
			2.50 64	33.39 848	34.64 880	35.89 912			67.0 30.4
			2.75 70	35.77 909	37.15 944	38.52 978			73.7 33.4
			3.00 76	38.15 969	39.65 1007	41.15 1045			80.4 36.5

[5] When using the hot dipped galvanized coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in section 3.0 Specifications - Material on page 2 for more information.

NOTES

- For Style 75 coupling performance and dimensional data, refer to publication 06.05: Victaulic Style 75 Flexible Coupling.
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements.
- Joints installed horizontally require independent support.

4.0 DIMENSIONS (CONTINUED)



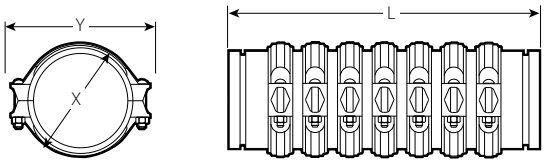
Size		Coupling Style Number	Maximum Linear Movement[5] inches mm	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm			Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. Each lbs. kg
	6.500 165.1	Style 75	0.25 6	11.97 304	12.10 307	12.22 310	8.00 203	11.07 281	6.7 3.0
			0.50 13	14.35 364	14.60 371	14.85 377			13.4 6.1
			0.75 19	16.73 425	17.11 435	17.48 444			20.1 9.1
			1.00 25	19.11 485	19.61 498	20.11 511			26.8 12.2
			1.25 32	21.49 546	22.12 562	22.74 578			33.5 15.2
			1.50 38	23.87 606	24.62 625	25.37 644			40.2 18.2
			1.75 44	26.25 667	27.13 689	28.00 711			46.9 21.3
			2.00 51	28.63 727	29.63 753	30.63 778			53.6 24.3
			2.25 57	31.01 788	32.14 816	33.26 845			60.3 27.4
			2.50 64	33.39 848	34.64 880	35.89 912			67.0 30.4
			2.75 70	35.77 909	37.15 944	38.52 978			73.7 33.4
			3.00 76	38.15 969	39.65 1007	41.15 1045			80.4 36.5
8 DN200	8.625 219.1	Style 75	0.25 6	12.00 305	12.13 308	12.25 311	10.34 263	13.97 355	12.5 5.7
			0.50 13	14.75 375	15.00 381	15.25 387			25.0 11.3
			0.75 19	17.50 445	17.88 454	18.25 464			37.5 17.0
			1.00 25	20.25 515	20.75 527	21.25 540			50.0 22.7
			1.25 32	23.00 584	23.63 600	24.25 616			62.5 28.4
			1.50 38	25.75 654	26.50 673	27.25 692			75.0 34.0
			1.75 44	28.50 724	29.38 746	30.25 768			87.5 39.7
			2.00 51	31.25 794	32.25 819	33.25 845			100.0 45.4
			2.25 57	34.00 864	35.13 892	36.25 921			112.5 5.10
			2.50 64	36.75 934	38.00 965	39.25 997			125.0 56.7
			2.75 70	39.50 1003	40.88 1038	42.25 1073			137.5 62.4
			3.00 76	42.25 1073	43.75 1111	45.25 1149			150.0 68.0

[5] When using the hot dipped galvanized coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in section 3.0 Specifications - Material on page 2 for more information.

NOTES

- For Style 75 coupling performance and dimensional data, refer to publication 06.05: Victaulic Style 75 Flexible Coupling.
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements.
- Joints installed horizontally require independent support.

4.0 DIMENSIONS (CONTINUED)



Size		Coupling Style Number	Maximum Linear Movement[5] inches mm	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm			Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. Each lbs. kg
10 DN250	10.750 273.0	Style 77	0.25 6	16.00 406	16.13 410	16.25 413	13.63 346	17.13 435	82.3 37.3
			0.50 13	18.75 476	19.00 483	19.25 489			119.9 54.4
			0.75 19	21.50 546	21.88 556	22.25 565			157.4 71.4
			1.00 25	24.25 616	24.75 629	25.25 641			195.0 88.5
			1.25 32	27.00 686	27.63 702	28.25 718			232.6 105.5
			1.50 38	29.75 756	30.50 775	31.25 794			270.2 122.6
			1.75 44	32.50 826	33.38 848	34.25 870			307.8 139.6
			2.00 51	35.25 895	36.25 921	37.25 946			345.3 156.6
			2.25 57	38.00 965	39.13 994	40.25 1022			382.9 173.7
			2.50 64	40.75 1035	42.00 1067	43.25 1099			420.5 190.7
			2.75 70	43.50 1105	44.88 1140	46.25 1175			458.1 207.8
			3.00 76	46.25 1175	47.75 1213	49.25 1251			495.7 224.9
12 DN300	12.750 323.9	Style 77	0.25 6	16.00 406	16.13 410	16.25 413	15.63 397	19.25 489	100.3 45.5
			0.50 13	18.75 476	19.00 483	19.25 489			145.8 66.1
			0.75 19	21.50 546	21.88 556	22.25 565			191.4 86.8
			1.00 25	24.25 616	24.75 629	25.25 641			237.0 107.5
			1.25 32	27.00 686	27.63 702	28.25 718			282.5 128.1
			1.50 38	29.75 756	30.50 775	31.25 794			328.1 148.8
			1.75 44	32.50 826	33.38 848	34.25 870			373.6 169.5
			2.00 51	35.25 895	36.25 921	37.25 946			419.2 190.2
			2.25 57	38.00 965	39.13 994	40.25 1022			464.8 210.8
			2.50 64	40.75 1035	42.00 1067	43.25 1099			510.3 231.5
			2.75 70	43.50 1105	44.88 1140	46.25 1175			555.9 252.2
			3.00 76	46.25 1175	47.75 1213	49.25 1251			601.4 272.2

[5] When using the hot dipped galvanized coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in section 3.0 Specifications - Material on page 2 for more information.

NOTES

- For Style 77 coupling performance and dimensional data, refer to publication 06.05: Victaulic Style 77 Flexible Coupling.
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements.
- Joints installed horizontally require independent support.

5.0 PERFORMANCE

Not Applicable - contact Victaulic with questions.

6.0 NOTIFICATIONS

⚠ WARNING

- **Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping 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.**
- **Wear safety glasses, hardhat, and foot protection.**

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

7.0 REFERENCE MATERIALS

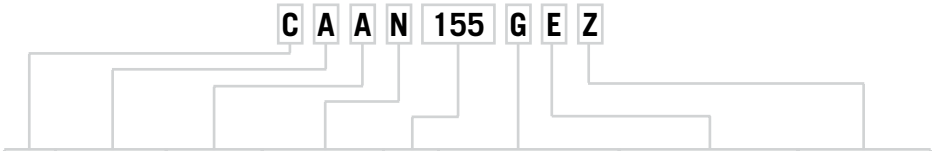
Style 155 Expansion Joint Configurator
Painted Couplings and Uncoated Carbon Steel Pipe Sections

C A A N 155 P E Z

Class	Size in/mm	Movement in	Length	Style	Finish	Gasket	Bolts and Nuts
C	A - ¾/26.9 B - 1/33.7 C - 1¼/42.4 D - 1½/48.3 E - 2/60.3 F - 2½/73.0 G - 76.1 mm H - 3/88.9 I - 3½/101.6 J - 4/114.3 K - 5/141.3 L - 139.7 mm M - 6/168.3 N - 165.1 mm O - 8/219.1 P - 10/273.0 Q - 12/323.9	A - 0.19 B - 0.25 C - 0.38 D - 0.50 E - 0.57 F - 0.75 G - 0.76 H - 0.95 I - 1.00 J - 1.14 K - 1.25 L - 1.33 M - 1.50 N - 1.52 O - 1.71 P - 1.75 Q - 1.90 R - 2.00 S - 2.09 T - 2.25 U - 2.28 X - 2.50 Y - 2.75 Z - 3.00	C - Compressed N - Neutral E - Expanded	155	P - Painted Couplings and Uncoated Pipe Sections	E - EPDM 1 - FlushSeal EPDM T - Nitrile 2 - FlushSeal Nitrile O - Fluoroelastomer L - Silicone F - MWS EPDM G - MWS Nitrile	Z - Plated X - Stainless Steel

7.0 REFERENCE MATERIALS (CONTINUED)

Style 155 Expansion Joint Configurator
Galvanized Couplings and Galvanized Carbon Steel Pipe Sections
(40% Reduced Maximum Linear Movement)



Class	Size in/mm	Movement in	Length	Style	Finish	Gasket	Bolts and Nuts
C	A - ¾/26.9 B - 1/33.7 C - 1¼/42.4 D - 1½/48.3 E - 2/60.3 F - 2½/73.0 G - 76.1 mm H - 3/88.9 I - 3½/101.6 J - 4/114.3 K - 5/141.3 L - 139.7 mm M - 6/168.3 N - 165.1 mm O - 8/219.1 P - 10/273.0 Q - 12/323.9	A - 0.11 B - 0.15 C - 0.23 D - 0.30 E - 0.34 F - 0.45 G - 0.46 H - 0.57 I - 0.60 J - 0.68 K - 0.75 L - 0.80 M - 0.90 N - 0.91 O - 1.03 P - 1.05 Q - 1.14 R - 1.20 S - 1.25 T - 1.35 U - 1.37 X - 1.50 Y - 1.65 Z - 1.80	C - Compressed N - Neutral E - Expanded	155	G - Galvanized Couplings and Galvanized Pipe Sections	E - EPDM 1 - FlushSeal EPDM T - Nitrile 2 - FlushSeal Nitrile O - Fluoroelastomer L - Silicone F - MWS EPDM G - MWS Nitrile	Z - Plated X - Stainless Steel

7.0 REFERENCE MATERIALS (CONTINUED)

Style 155 Expansion Joint Configurator
Galvanized Couplings or Galvanized Carbon Steel Pipe Sections
(20% Reduced Maximum Linear Movement)

C A A N 155 1 E Z

Class	Size in/mm	Movement in	Length	Style	Finish	Gasket	Bolts and Nuts
C	A - ¾/26.9 B - 1/33.7 C - 1¼/42.4 D - 1½/48.3 E - 2/60.3 F - 2½/73.0 G - 76.1 mm H - 3/88.9 I - 3½/101.6 J - 4/114.3 K - 5/141.3 L - 139.7 mm M - 6/168.3 N - 165.1 mm O - 8/219.1 P - 10/273.0 Q - 12/323.9	A - 0.15 B - 0.20 C - 0.30 D - 0.40 E - 0.46 F - 0.60 G - 0.61 H - 0.76 I - 0.80 J - 0.91 K - 1.00 L - 1.06 M - 1.20 N - 1.22 O - 1.37 P - 1.40 Q - 1.52 R - 1.60 S - 1.67 T - 1.80 U - 1.82 X - 2.00 Y - 2.20 Z - 2.40	C - Compressed N - Neutral E - Expanded	155	1 - Galvanized Couplings 2 - Galvanized Pipe Sections	E - EPDM 1 - FlushSeal EPDM T - Nitrile 2 - FlushSeal Nitrile O - Fluoroelastomer L - Silicone F - MWS EPDM G - MWS Nitrile	Z - Plated X - Stainless Steel

05.01: Victaulic Seal Selection Guide

09.06: Victaulic Expansion Joint Installation Design Data

20.12: Victaulic AGS Expansion Joints Style W155

26.02: Victaulic Pipe Line Thermal Growth Design Data

I-100: Field Installation Handbook

