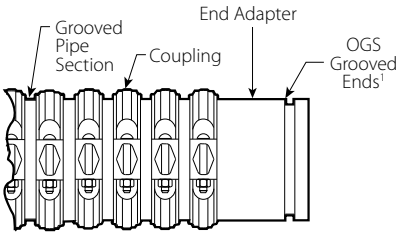
Victaulic® Expansion Joint for OGS Piping Systems
Style 155

09.05





Exaggerated for Clarity

1.0 PRODUCT DESCRIPTION

Available Sizes

- ¾ – 12"/DN20 – DN300

Pipe Material

- Carbon Steel

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

NOTES

- For other pipe material, contact Victaulic.
- For applications that require NSF 61 approved products, specify the Victaulic Style 155P Expansion Joint for Original Groove System (OGS) Potable Water Piping Systems (Publication 09.25).

[1] For different end connections, contact Victaulic.

2.0 CERTIFICATIONS/LISTINGS

Product manufactured by Victaulic and/or certified suppliers in accordance with ISO-9001.

NOTES

- Reference Section 2.0 of Publication 06.05 for Victaulic Style 75 Flexible Coupling Certifications/Listings
- Reference Section 2.0 of Publication 06.04 for Victaulic Style 77 Flexible Coupling Certifications/Listings

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

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3.0 SPECIFICATIONS – MATERIAL

Housing: (specify choice)

☐ 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

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.

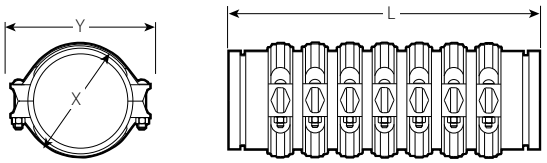
[4] Optional bolts/nuts are available in imperial sizes only.

NOTES

- For other materials, contact Victaulic.
- 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.

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4.0 DIMENSIONS



Size		Coupling Style Number	Maximum Linear Movement[5]	Length "L"			Weight	Dimensions	
Nominal inches DN	Actual Outside Diameter inches mm		inches mm	Compressed inches mm	Neutral inches mm	Expanded inches mm	Approx. (Each) lb kg	X inches mm	Y inches mm
¾ DN20	1.050 26.9	Style 77	0.19 5	6.00 152	6.09 155	6.17 157	3.3 1.5	2.13 54	4.00 102
			0.38 10	8.25 210	8.43 214	8.61 219	5.0 2.3		
			0.57 14	10.50 267	10.78 274	11.05 281	6.6 3.0		
			0.76 19	12.75 324	13.12 333	13.49 343	8.3 3.7		
			0.95 24	15.00 381	15.47 393	15.93 405	9.9 4.5		
			1.14 29	17.25 438	17.81 452	18.37 467	11.5 5.2		
			1.33 34	19.50 495	20.16 512	20.81 529	13.1 6.0		
			1.52 39	21.75 552	22.50 572	23.25 591	14.8 6.7		
			1.71 43	24.00 610	24.85 631	25.69 653	16.4 7.4		
			1.90 48	26.25 667	27.19 691	28.13 715	18.0 8.2		
			2.09 53	28.50 724	29.54 750	30.57 776	19.6 8.9		
			2.28 58	30.75 781	31.88 810	33.01 838	21.3 9.6		
1 DN25	1.315 33.7	Style 77	0.19 5	6.00 152	6.09 155	6.17 157	3.8 1.7	2.38 60	4.12 105
			0.38 10	8.25 210	8.43 214	8.61 219	5.5 2.5		
			0.57 14	10.50 267	10.78 274	11.05 281	7.4 3.3		
			0.76 19	12.75 324	13.12 333	13.49 343	9.3 4.2		
			0.95 24	15.00 381	15.47 393	15.93 405	11.0 5.0		
			1.14 29	17.25 438	17.81 452	18.37 467	12.8 5.8		
			1.33 34	19.50 495	20.16 512	20.81 529	14.6 6.6		
			1.52 39	21.75 552	22.50 572	23.25 591	16.4 7.4		
			1.71 43	24.00 610	24.85 631	25.69 653	18.3 8.3		
			1.90 48	26.25 667	27.19 691	28.13 715	20.0 9.1		
			2.09 53	28.50 724	29.54 750	30.57 776	21.9 9.9		
			2.28 58	30.75 781	31.88 810	33.01 838	23.8 10.8		

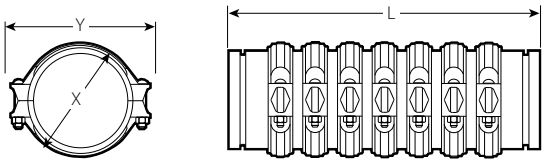
[5] When using the Hot Dipped Galvanized Coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in Section 3.0 Specifications – Material for more information.

NOTES

- For Style 77 Flexible Coupling performance and dimensional data, refer to Publication 06.04
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements
- Joints installed horizontally require independent support.

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4.0 DIMENSIONS (CONTINUED)



Size		Coupling Style Number	Maximum Linear Movement[5]	Length "L"			Weight	Dimensions	
Nominal inches DN	Actual Outside Diameter inches mm		inches mm	Compressed inches mm	Neutral inches mm	Expanded inches mm	Approx. (Each) lb kg	X inches mm	Y inches mm
1 ¼ DN32	1.660 42.4	Style 77	0.19 5	8.00 203	8.09 205	8.17 208	6.3 2.8	2.65 67	5.00 127
			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	11.6 5.3		
			0.76 19	14.75 375	15.12 384	15.49 393	14.4 6.5		
			0.95 24	17.00 432	17.47 444	17.93 455	17.1 7.8		
			1.14 29	19.25 489	19.81 503	20.37 517	19.9 9.0		
			1.33 34	21.50 546	22.16 563	22.81 579	22.6 10.3		
			1.52 39	23.75 603	24.50 622	25.25 641	25.3 11.5		
			1.71 43	26.00 660	26.85 682	27.69 703	28.1 12.8		
			1.90 48	28.25 718	29.19 741	30.13 765	30.9 14.0		
			2.09 53	30.50 775	31.54 801	32.57 827	33.5 15.2		
			2.28 58	32.75 832	33.88 861	35.01 889	36.3 16.4		
1 ½ DN40	1.900 48.3	Style 77	0.19 5	8.00 203	8.09 205	8.17 208	6.6 3.0	3.13 80	5.38 137
			0.38 10	10.25 260	10.43 265	10.61 269	9.4 4.3		
			0.57 14	12.50 318	12.78 325	13.05 331	12.4 5.6		
			0.76 19	14.75 375	15.12 384	15.49 393	15.3 6.9		
			0.95 24	17.00 432	17.47 444	17.93 455	18.1 8.2		
			1.14 29	19.25 489	19.81 503	20.37 517	21.0 9.5		
			1.33 34	21.50 546	22.16 563	22.81 579	23.9 10.8		
			1.52 39	23.75 603	24.50 622	25.25 641	26.8 12.1		
			1.71 43	26.00 660	26.85 682	27.69 703	29.6 13.4		
			1.90 48	28.25 718	29.19 741	30.13 765	32.8 14.9		
			2.09 53	30.50 775	31.54 801	32.57 827	35.4 16.0		
			2.28 58	32.75 832	33.88 861	35.01 889	38.3 17.3		

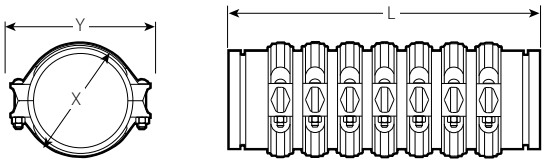
[5] When using the Hot Dipped Galvanized Coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in Section 3.0 Specifications – Material for more information.

NOTES

- For Style 77 Flexible Coupling performance and dimensional data, refer to Publication 06.04
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements
- Joints installed horizontally require independent support.

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4.0 DIMENSIONS (CONTINUED)



Size		Coupling Style Number	Maximum Linear Movement[5]	Length "L"			Weight	Dimensions	
Nominal inches DN	Actual Outside Diameter inches mm		inches mm	Compressed inches mm	Neutral inches mm	Expanded inches mm	Approx. (Each) lb kg	X inches mm	Y inches mm
2 DN50	2.375 60.3	Style 75	0.19 5	8.00 203	8.09 205	8.17 208	6.8 3.1	3.43 87	5.22 1.33
			0.38 10	10.25 260	10.43 265	10.61 269	9.3 4.2		
			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	14.6 6.6		
			0.95 24	17.00 432	17.47 444	17.93 455	17.3 7.8		
			1.14 29	19.25 489	19.81 503	20.37 517	19.9 9.0		
			1.33 34	21.50 546	22.16 563	22.81 579	2.5 1.1		
			1.52 39	23.75 603	24.50 622	25.25 641	25.1 11.4		
			1.71 43	26.00 660	26.85 682	27.69 703	27.8 12.6		
			1.90 48	28.25 718	29.19 741	30.13 765	30.6 13.9		
			2.09 53	30.50 775	31.54 801	32.57 827	33.1 15.0		
			2.28 58	32.75 832	33.88 861	35.01 889	35.8 16.2		
2 ½	2.875 73.0	Style 75	0.19 5	8.00 203	8.09 205	8.17 208	8.5 3.9	3.88 99	5.68 144
			0.38 10	10.25 260	10.43 265	10.61 269	11.8 5.3		
			0.57 14	12.50 318	12.78 325	13.05 331	14.9 6.7		
			0.76 19	14.75 375	15.12 384	15.49 393	18.1 8.2		
			0.95 24	17.00 432	17.47 444	17.93 455	21.3 9.6		
			1.14 29	19.25 489	19.81 503	20.37 517	24.5 11.1		
			1.33 34	21.50 546	22.16 563	22.81 579	27.6 12.5		
			1.52 39	23.75 603	24.50 622	25.25 641	30.8 13.9		
			1.71 43	26.00 660	26.85 682	27.69 703	34.0 15.4		
			1.90 48	28.25 718	29.19 741	30.13 765	37.4 17.0		
			2.09 53	30.50 775	31.54 801	32.57 827	40.4 18.3		
			2.28 58	32.75 832	33.88 861	35.01 889	43.6 19.8		

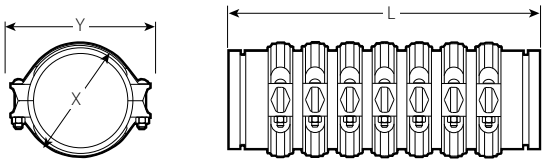
[5] When using the Hot Dipped Galvanized Coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in Section 3.0 Specifications – Material for more information.

NOTES

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

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4.0 DIMENSIONS (CONTINUED)



Size		Coupling Style Number	Maximum Linear Movement[5]	Length "L"			Weight	Dimensions	
Nominal inches DN	Actual Outside Diameter inches mm		inches mm	Compressed inches mm	Neutral inches mm	Expanded inches mm	Approx. (Each) lb kg	X inches mm	Y inches mm
DN65	3.000 76.1	Style 75	0.19 5	8.00 203	8.09 205	8.17 208	8.9 4.0	3.88 98	5.68 144
			0.38 10	10.25 260	10.43 265	10.61 269	12.3 5.6		
			0.57 14	12.50 318	12.78 325	13.05 331	15.5 7.0		
			0.76 19	14.75 375	15.12 384	15.49 393	18.9 8.6		
			0.95 24	17.00 432	17.47 444	17.93 455	22.3 10.1		
			1.14 29	19.25 489	19.81 503	20.37 517	25.6 11.6		
			1.33 34	21.50 546	22.16 563	22.81 579	28.9 13.1		
			1.52 39	23.75 603	24.50 622	25.25 641	32.3 14.6		
			1.71 43	26.00 660	26.85 682	27.69 703	35.6 16.2		
			1.90 48	28.25 718	29.19 741	30.13 765	39.1 17.7		
			2.09 53	30.50 775	31.54 801	32.57 827	42.3 19.2		
			2.28 58	32.75 832	33.88 861	35.01 889	45.8 20.8		
3 DN80	3.500 88.9	Style 75	0.19 5	8.00 203	8.09 205	8.17 208	10.8 4.9	4.50 114	5.90 150
			0.38 10	10.25 260	10.43 265	10.61 269	15.3 6.9		
			0.57 14	12.50 318	12.78 325	13.05 331	19.8 9.0		
			0.76 19	14.75 375	15.12 384	15.49 393	24.3 11.0		
			0.95 24	17.00 432	17.47 444	17.93 455	28.8 13.0		
			1.14 29	19.25 489	19.81 503	20.37 517	33.3 15.1		
			1.33 34	21.50 546	22.16 563	22.81 579	37.8 17.1		
			1.52 39	23.75 603	24.50 622	25.25 641	42.3 19.2		
			1.71 43	26.00 660	26.85 682	27.69 703	46.8 21.2		
			1.90 48	28.25 718	29.19 741	30.13 765	51.3 23.2		
			2.09 53	30.50 775	31.54 801	32.57 827	55.8 25.3		
			2.28 58	32.75 832	33.88 861	35.01 889	60.3 27.3		

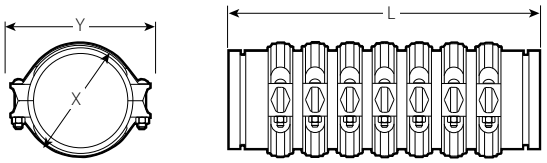
[5] When using the Hot Dipped Galvanized Coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in Section 3.0 Specifications – Material for more information.

NOTES

- For Style 77 Flexible Coupling performance and dimensional data, refer to Publication 06.04
- For Style 75 Flexible Coupling performance and dimensional data, refer to Publication 06.05
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements
- Joints installed horizontally require independent support.

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4.0 DIMENSIONS (CONTINUED)



Size		Coupling Style Number	Maximum Linear Movement[5]	Length "L"			Weight	Dimensions	
Nominal inches DN	Actual Outside Diameter inches mm		inches mm	Compressed inches mm	Neutral inches mm	Expanded inches mm	Approx. (Each) lb kg	X inches mm	Y inches mm
4 DN100	4.500 114.3	Style 75	0.25 6	11.97 304	12.10 307	12.22 310	20.0 9.1	5.80 147	8.03 204
			0.50 13	14.35 364	14.60 371	14.85 377	26.9 12.2		
			0.75 19	16.73 425	17.11 435	17.48 444	33.6 15.3		
			1.00 25	19.11 485	19.61 498	20.11 511	40.3 18.3		
			1.25 32	21.49 546	22.12 562	22.74 578	47.0 21.3		
			1.50 38	23.87 606	24.62 625	25.37 644	53.8 24.4		
			1.75 44	26.25 667	27.13 689	28.00 711	60.4 27.4		
			2.00 51	28.63 727	29.63 753	30.63 778	67.1 30.4		
			2.25 57	31.01 788	32.14 816	33.26 845	73.8 33.5		
			2.50 64	33.39 848	34.64 880	35.89 912	80.5 36.5		
			2.75 70	35.77 909	37.15 944	38.52 978	87.3 39.6		
			3.00 76	38.15 969	39.65 1007	41.15 1045	93.9 42.6		
5	5.563 141.3	Style 75	0.25 6	11.97 304	12.10 307	12.22 310	25.8 11.7	6.88 175	10.07 256
			0.50 13	14.35 364	14.60 371	14.85 377	34.9 15.8		
			0.75 19	16.73 425	17.11 435	17.48 444	43.8 19.8		
			1.00 25	19.11 485	19.61 498	20.11 511	52.8 23.9		
			1.25 32	21.49 546	22.12 562	22.74 578	61.6 28.0		
			1.50 38	23.87 606	24.62 625	25.37 644	70.5 32.0		
			1.75 44	26.25 667	27.13 689	28.00 711	79.4 36.0		
			2.00 51	28.63 727	29.63 753	30.63 778	88.3 40.0		
			2.25 57	31.01 788	32.14 816	33.26 845	97.3 44.1		
			2.50 64	33.39 848	34.64 880	35.89 912	106.1 48.1		
			2.75 70	35.77 909	37.15 944	38.52 978	115.0 52.2		
			3.00 76	38.15 969	39.65 1007	41.15 1045	123.9 56.2		

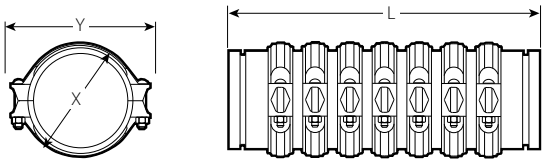
[5] When using the Hot Dipped Galvanized Coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in Section 3.0 Specifications – Material for more information.

NOTES

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

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4.0 DIMENSIONS (CONTINUED)



Size		Coupling Style Number	Maximum Linear Movement[5]	Length "L"			Weight	Dimensions	
Nominal inches DN	Actual Outside Diameter inches mm		inches mm	Compressed inches mm	Neutral inches mm	Expanded inches mm	Approx. (Each) lb kg	X inches mm	Y inches mm
DN125	5.500 139.7	Style 75	0.25 6	11.97 304	12.10 307	12.22 310	24.8 11.2	6.88 175	10.07 256
			0.50 13	14.35 364	14.60 371	14.85 377	33.6 42.6		
			0.75 19	16.73 425	17.11 435	17.48 444	42.6 19.3		
			1.00 25	19.11 485	19.61 498	20.11 511	51.6 23.4		
			1.25 32	21.49 546	22.12 562	22.74 578	60.6 27.5		
			1.50 38	23.87 606	24.62 625	25.37 644	69.6 31.6		
			1.75 44	26.25 667	27.13 689	28.00 711	78.6 35.7		
			2.00 51	28.63 727	29.63 753	30.63 778	87.6 39.7		
			2.25 57	31.01 788	32.14 816	33.26 845	96.6 43.8		
			2.50 64	33.39 848	34.64 880	35.89 912	105.6 47.9		
			2.75 70	35.77 909	37.15 944	38.52 978	114.6 52.0		
			3.00 76	38.15 969	39.65 1007	41.15 1045	123.0 55.8		
6 DN150	6.625 168.3	Style 75	0.25 6	11.97 304	12.10 307	12.22 310	30.3 13.7	8.00 203	11.07 281
			0.50 13	14.35 364	14.60 371	14.85 377	41.3 42.6		
			0.75 19	16.73 425	17.11 435	17.48 444	51.9 23.5		
			1.00 25	19.11 485	19.61 498	20.11 511	62.6 28.4		
			1.25 32	21.49 546	22.12 562	22.74 578	73.3 33.2		
			1.50 38	23.87 606	24.62 625	25.37 644	84.0 38.1		
			1.75 44	26.25 667	27.13 689	28.00 711	94.8 43.0		
			2.00 51	28.63 727	29.63 753	30.63 778	105.4 47.8		
			2.25 57	31.01 788	32.14 816	33.26 845	116.1 52.7		
			2.50 64	33.39 848	34.64 880	35.89 912	126.8 57.5		
			2.75 70	35.77 909	37.15 944	38.52 978	137.5 62.4		
			3.00 76	38.15 969	39.65 1007	41.15 1045	148.3 67.2		

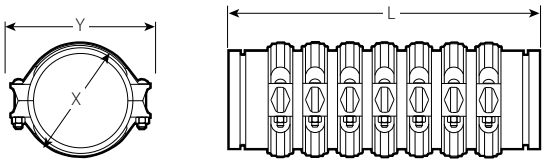
[5] When using the Hot Dipped Galvanized Coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in Section 3.0 Specifications – Material for more information.

NOTES

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

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4.0 DIMENSIONS (CONTINUED)



Size		Coupling Style Number	Maximum Linear Movement[5]	Length "L"			Weight	Dimensions	
Nominal inches DN	Actual Outside Diameter inches mm		inches mm	Compressed inches mm	Neutral inches mm	Expanded inches mm	Approx. (Each) lb kg	X inches mm	Y inches mm
	6.500 165.1	Style 75	0.25 6	11.97 304	12.10 307	12.22 310	30.8 13.9	8.00 203	11.07 281
			0.50 13	14.35 364	14.60 371	14.85 377	41.4 42.6		
			0.75 19	16.73 425	17.11 435	17.48 444	51.9 23.5		
			1.00 25	19.11 485	19.61 498	20.11 511	62.3 28.2		
			1.25 32	21.49 546	22.12 562	22.74 578	72.8 33.0		
			1.50 38	23.87 606	24.62 625	25.37 644	83.3 37.8		
			1.75 44	26.25 667	27.13 689	28.00 711	93.8 42.5		
			2.00 51	28.63 727	29.63 753	30.63 778	104.3 47.3		
			2.25 57	31.01 788	32.14 816	33.26 845	114.8 52.0		
			2.50 64	33.39 848	34.64 880	35.89 912	125.3 56.8		
			2.75 70	35.77 909	37.15 944	38.52 978	135.8 61.6		
			3.00 76	38.15 969	39.65 1007	41.15 1045	146.1 66.3		
8 DN200	8.625 219.1	Style 75	0.25 6	12.00 305	12.13 308	12.25 311	45.3 20.5	10.34 263	13.97 355
			0.50 13	14.75 375	15.00 381	15.25 387	63.1 42.6		
			0.75 19	17.50 445	17.88 454	18.25 464	80.9 36.7		
			1.00 25	20.25 514	20.75 527	21.25 540	98.8 44.8		
			1.25 32	23.00 584	23.63 600	24.25 616	116.6 52.9		
			1.50 38	25.75 654	26.50 673	27.25 692	134.3 60.9		
			1.75 44	28.50 724	29.38 746	30.25 768	152.3 69.1		
			2.00 51	21.25 540	32.25 819	33.25 845	170.0 77.1		
			2.25 57	34.00 864	35.13 892	36.25 921	187.8 85.2		
			2.50 64	36.75 933	38.00 965	39.25 997	205.6 93.3		
			2.75 70	39.50 1003	40.88 1038	42.25 1073	223.4 101.3		
			3.00 76	42.25 1073	43.75 1111	45.25 1149	241.3 109.4		

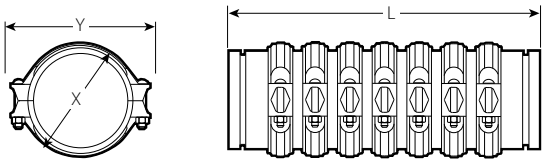
[5] When using the Hot Dipped Galvanized Coating, the movement capacity of the Style 155 Expansion Joint is reduced due to the increased coating thickness. See "Coatings" in Section 3.0 Specifications – Material for more information.

NOTES

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

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4.0 DIMENSIONS (CONTINUED)



Size		Coupling Style Number	Maximum Linear Movement[5]	Length "L"			Weight	Dimensions	
Nominal inches DN	Actual Outside Diameter inches mm		inches mm	Compressed inches mm	Neutral inches mm	Expanded inches mm	Approx. (Each) lb kg	X inches mm	Y inches mm
10 DN250	10.750 273.0	Style 77	0.25 6	16.00 406	16.13 410	16.25 413	93.6 42.5	13.63 346	17.13 435
			0.50 13	18.75 476	19.00 483	19.25 489	130.1 42.6		
			0.75 19	21.50 546	21.88 556	22.25 565	166.6 75.6		
			1.00 25	24.25 616	24.75 629	25.25 641	203.1 92.1		
			1.25 32	27.00 686	27.63 702	28.25 718	239.6 108.7		
			1.50 38	29.75 756	30.50 775	31.25 794	276.1 125.2		
			1.75 44	32.50 826	33.38 848	34.25 870	312.6 141.8		
			2.00 51	35.25 895	36.25 921	37.25 946	349.1 158.4		
			2.25 57	38.00 965	39.19 995	40.25 1022	385.6 174.9		
			2.50 64	40.75 1035	42.00 1067	43.25 1099	422.1 191.5		
			2.75 70	43.50 1105	44.88 1140	46.25 1175	458.8 208.1		
			3.00 76	46.25 1175	47.75 1213	49.25 1251	495.3 224.6		
12 DN300	12.750 323.9	Style 77	0.25 6	16.00 406	16.13 410	16.25 413	110.3 50.0	15.63 397	19.25 489
			0.50 13	18.75 476	19.00 483	19.25 489	151.8 42.6		
			0.75 19	21.50 546	21.88 556	22.25 565	193.3 87.7		
			1.00 25	24.25 616	24.75 629	25.25 641	234.8 106.5		
			1.25 32	27.00 686	27.63 702	28.25 718	276.3 125.3		
			1.50 38	29.75 756	30.50 775	31.25 794	317.8 144.1		
			1.75 44	32.50 826	33.38 848	34.25 870	259.4 117.7		
			2.00 51	35.25 895	36.25 921	37.25 946	400.9 181.8		
			2.25 57	38.00 965	39.13 994	40.25 1022	442.4 200.7		
			2.50 64	40.75 1035	42.00 1067	43.25 1099	483.9 219.5		
			2.75 70	43.50 1105	44.88 1140	46.25 1175	525.4 238.3		
			3.00 76	46.25 1175	47.75 1213	49.25 1251	566.9 257.1		

[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 for more information.

NOTES

- For Style 77 Flexible Coupling performance and dimensional data, refer to Publication 06.04
- Available assembled for fully expanded, fully compressed or neutral positions, based on system requirements
- Joints installed horizontally require independent support.

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5.0 PERFORMANCE

Not applicable – contact Victaulic with any questions.

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, foot protection, and hearing 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

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7.0 REFERENCE MATERIALS (CONTINUED)

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

C A A N 155 G 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 - 0.11 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

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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: Seal Selection Guide
09.06: In-line Expansion Joint Installation
20.12: AGS Expansion Joints Style W155
26.02: Calculating and Accommodating Thermal Movement in Piping Systems
I-100: Victaulic® Field Installation Handbook

User Responsibility for Product Selection and Suitability
Each user bears final responsibility for determining the suitability of Victaulic products for their end-use application, in accordance with industry standards, project specifications, and Victaulic's published performance, maintenance, and safety data, as well as all warnings and installation 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, warranty, installation instructions, or this disclaimer.

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Always refer to and follow the Victaulic Installation Handbook or installation instructions for 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 victaulic.com.

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

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