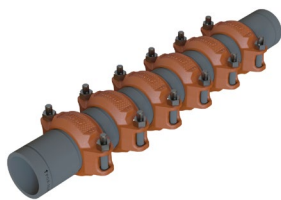
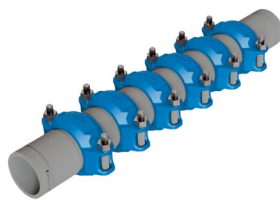


Victaulic® PGS-300 Expansion Joint

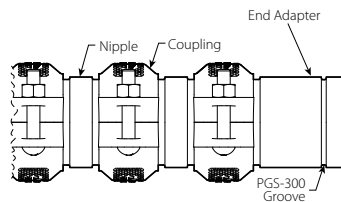
Style 355/355P



Style 355



Style 355P



PGS™-300

1.0 PRODUCT DESCRIPTION

Available Sizes

- 2 – 12"/DN50 – DN300

Pipe Material

- Schedules 40 and 80 chlorinated polyvinyl chloride (CPVC) pipe per ASTM F441, 23447 minimum cell classification per ASTM D1784.
- Schedules 40 and 80 polyvinyl chloride (PVC) pipe per ASTM D1785, 12454 minimum cell classification per ASTM D1784.

Maximum Working Pressure

- See section 5.0 for pressure ratings and temperature reduction factors.

Function

- Style 355 – Intended for use in non-potable water systems
- Style 355P – Intended for use in potable water systems
- Accommodates axial movement associated with expansion and contraction.
- Available in fully expanded, fully contracted or neutral positions, based on system requirements.

NOTES

- The Style 355/355P expansion joint is designed to provide axial movement; it is not designed to accommodate angular deflection.
- Due to End-to-End dimensional variation, Victaulic recommends in-field pipe fitting occurs after the Style 355/355P expansion joint has been built and received.
- Joints installed horizontally require independent support to prevent deflection.

Pipe Preparation

- The Style 355/355P Expansion Joint is exclusively for use on pipe which features the Victaulic PGS-300 groove profile (see section 7.0 for Reference Materials).

2.0 CERTIFICATION/LISTINGS



The Victaulic Grade P gasket supplied with the Style 355P expansion joint is UL Classified in accordance with NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 as noted in section 3.0 Specifications – Material.

Product designed and manufactured under Victaulic's Quality Management System, as certified by LPCB in accordance with ISO-9001:2008.

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.

Housing Coating (specify choice):

Style 355 Standard: Orange coating.

Style 355P Standard: Blue coating.

Optional: Hot dipped galvanized conforming to ASTM A123.

Optional: Contact Victaulic with your requirements for other coatings.

Nipples: Schedule 80 CPVC pipe per ASTM F441, 23447 minimum cell classification per ASTM D1784.

Gasket: (specify choice¹)

Grade "EHP" EPDM

EPDM (Red and Green stripes color code). Temperature range -30°F to +250°F/-34°C to +120°C. May be specified for hot water within the specified temperature range. NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES OR STEAM SERVICES.

Grade "O" Fluoroelastomer

Fluoroelastomer (Blue stripe color code). Temperature range +20°F to +300°F/-7°C to +149°C. May be specified for many oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids, and air with hydrocarbons. NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES OR STEAM SERVICES.

Grade "P" Fluoroelastomer Blend (Style 355P only)

P (Double blue stripe color code). Temperature range +0°F to +180°F/-18°C to +82°C. Specifically formulated for compatibility with potable water systems. Optimized for improved resistance to chlorine, chloramine and other typical potable water disinfectants. UL Classified in accordance with NSF/ANSI/CAN 61 for cold +73°F/+23°C and hot +180°F/+82°C potable water service and NSF/ANSI/CAN 372.

¹ 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 Seal Selection Guide](#) for specific gasket service guidelines and for a listing of services which are not compatible.

NOTES

- The maximum temperature rating listed for the gasket exceeds the temperature ratings for CPVC/PVC pipe. Consult individual pipe manufacturers for specific temperature limits.
- Victaulic reserves the right to substitute equivalent and/or higher grade elastomer products.

Bolts/Nuts: (specify choice)

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:

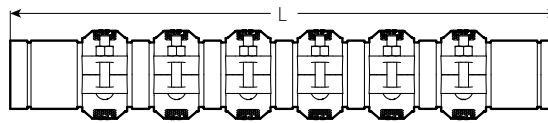
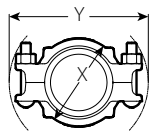
2 – 12"/DN50 – DN300: Standard bolts/nuts as listed above, with fluoropolymer top coat.

2 – 8"/DN50 – DN200:² Stainless steel oval neck track bolts meeting the mechanical property requirements of ASTM F593, Group 2 (316 stainless steel), condition CW. Stainless steel Heavy Hex nuts meeting the mechanical property requirements of ASTM F594, Group 2 (316 stainless steel), condition CW, with galling reducing coating.

10 – 12"/DN250 – DN300:² Stainless steel oval neck track bolts meeting the mechanical property requirements of ASTM A193, Class 2 (316 stainless steel), Grade B8M. Stainless steel Heavy Hex nuts meeting the mechanical property requirements of ASTM A194 Grade 8M Heavy Hex, with galling reducing coating.

² Optional bolts/nuts available in imperial size only.

4.0 DIMENSIONS

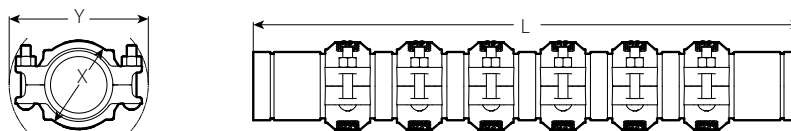


Size		Coupling Style Number	Rated Movement inches mm	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm			Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. (Each) lb kg
2 DN50	60.3 2.375	Style 357/857	0.35 8.9	9.17 ± 0.07 233 ± 1.8	9.41 ± 0.08 239 ± 2.1	9.69 ± 0.06 246 ± 1.6	3.54 90	5.81 148	3.5 1.6
			0.75 19.1	12.34 ± 0.12 313 ± 3.1	12.83 ± 0.14 326 ± 3.7	13.37 ± 0.11 340 ± 2.7			6.6 3.0
			1.15 29.2	15.51 ± 0.17 394 ± 4.4	16.24 ± 0.21 413 ± 5.2	17.06 ± 0.15 433 ± 3.8			9.6 4.4
			1.55 39.4	18.68 ± 0.22 475 ± 5.7	19.66 ± 0.27 499 ± 6.8	20.75 ± 0.19 527 ± 4.9			12.7 5.8
			1.95 49.5	21.86 ± 0.28 555 ± 7.0	23.07 ± 0.33 586 ± 8.4	24.44 ± 0.24 621 ± 6.0			15.7 7.1
			2.35 59.7	25.03 ± 0.33 636 ± 8.3	26.48 ± 0.39 673 ± 10.0	28.12 ± 0.28 714 ± 7.1			18.8 8.5
			2.75 69.9	28.20 ± 0.38 716 ± 9.6	29.90 ± 0.45 759 ± 11.5	31.81 ± 0.32 808 ± 8.2			21.8 9.9
			3.15 80.0	31.37 ± 0.43 797 ± 10.9	33.31 ± 0.52 846 ± 13.1	35.50 ± 0.36 902 ± 9.2			24.9 11.3
			3.55 90.2	34.54 ± 0.48 877 ± 12.2	36.73 ± 0.58 933 ± 14.7	39.18 ± 0.41 995 ± 10.3			28.0 12.7
			3.95 100.3	37.71 ± 0.53 958 ± 13.5	40.14 ± 0.64 1020 ± 16.3	42.87 ± 0.45 1089 ± 11.4			31.0 14.1
			4.35 110.5	40.88 ± 0.58 1038 ± 14.8	43.55 ± 0.70 1106 ± 17.8	46.56 ± 0.49 1183 ± 12.5			34.1 15.4
			4.75 120.7	44.05 ± 0.63 1119 ± 16.1	46.97 ± 0.76 1193 ± 19.4	50.24 ± 0.54 1276 ± 13.6			37.1 16.8
2 ½	2.875 73.0	Style 357/857	0.35 8.9	9.17 ± 0.07 232.9 ± 1.8	9.38 ± 0.08 238.2 ± 2.1	9.62 ± 0.06 244.3 ± 1.6	4.05 103	6.23 158	4.2 1.9
			0.75 19.1	12.34 ± 0.12 313.5 ± 3.1	12.76 ± 0.14 324.1 ± 3.7	13.23 ± 0.11 336.1 ± 2.7			7.6 3.4
			1.15 29.2	15.51 ± 0.17 394 ± 4.4	16.14 ± 0.21 409.9 ± 5.2	16.85 ± 0.15 428 ± 3.8			11.0 5.0
			1.55 39.4	18.68 ± 0.22 474.6 ± 5.7	19.52 ± 0.27 495.7 ± 6.8	20.47 ± 0.19 519.9 ± 4.9			14.4 6.5
			1.95 49.5	21.86 ± 0.28 555.1 ± 7.0	22.90 ± 0.33 581.5 ± 8.4	24.09 ± 0.24 611.8 ± 6.0			17.8 8.1
			2.35 59.7	25.03 ± 0.33 635.7 ± 8.3	26.27 ± 0.39 667.4 ± 10.0	27.70 ± 0.28 703.6 ± 7.1			21.2 9.6
			2.75 69.9	28.20 ± 0.38 716.2 ± 9.6	29.65 ± 0.45 753.2 ± 11.5	31.32 ± 0.32 795.5 ± 8.2			24.7 11.2
			3.15 80.0	31.37 ± 0.43 796.7 ± 10.9	33.03 ± 0.52 839 ± 13.1	34.94 ± 0.36 887.4 ± 9.2			28.1 12.7
			3.55 90.2	34.54 ± 0.48 877.3 ± 12.2	36.41 ± 0.58 924.8 ± 14.7	38.55 ± 0.41 979.2 ± 10.3			31.5 14.3
			3.95 100.3	37.71 ± 0.53 957.8 ± 13.5	39.79 ± 0.64 1010.7 ± 16.3	42.17 ± 0.45 1071.1 ± 11.4			34.9 15.8
			4.35 110.5	40.88 ± 0.58 1038.4 ± 14.8	43.17 ± 0.70 1096.5 ± 17.8	45.79 ± 0.49 1163 ± 12.5			38.3 17.4
			4.75 120.7	44.05 ± 0.63 1118.9 ± 16.1	46.55 ± 0.76 1182.3 ± 19.4	49.40 ± 0.54 1254.9 ± 13.6			41.7 18.9

NOTES

- For coupling performance and dimensional data in non-potable water applications, refer to [publication 33.07](#): Victaulic Style 357 Installation-Ready™ Rigid Coupling.
- For coupling performance and dimensional data in potable water applications, refer to [publication 33.17](#): Victaulic Style 857 Installation-Ready™ Rigid Coupling.

4.0 DIMENSIONS (CONTINUED)

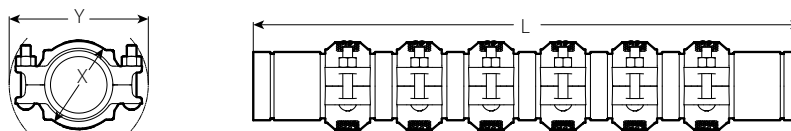


Size		Coupling Style Number	Rated Movement inches mm	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm			Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. (Each) lb kg
3 DN80	3.500 88.9	Style 357/857	0.35 8.9	9.17 ± 0.07 233 ± 1.8	9.41 ± 0.08 239 ± 2.1	9.69 ± 0.06 246 ± 1.6	4.64 118	7.20 183	5.3 2.4
			0.75 19.1	12.34 ± 0.12 313 ± 3.1	12.83 ± 0.14 326 ± 3.7	13.37 ± 0.11 340 ± 2.7			9.7 4.4
			1.15 29.2	15.51 ± 0.17 394 ± 4.4	16.24 ± 0.21 413 ± 5.2	17.06 ± 0.15 433 ± 3.8			14.1 6.4
			1.55 39.4	18.68 ± 0.22 475 ± 5.7	19.66 ± 0.27 499 ± 6.8	20.75 ± 0.19 527 ± 4.9			18.4 8.4
			1.95 49.5	21.86 ± 0.28 555 ± 7.0	23.07 ± 0.33 586 ± 8.4	24.44 ± 0.24 621 ± 6.0			22.8 10.3
			2.35 59.7	25.03 ± 0.33 636 ± 8.3	26.48 ± 0.39 673 ± 10.0	28.12 ± 0.28 714 ± 7.1			27.1 12.3
			2.75 69.9	28.20 ± 0.38 716 ± 9.6	29.90 ± 0.45 759 ± 11.5	31.81 ± 0.32 808 ± 8.2			31.5 14.3
			3.15 80.0	31.37 ± 0.43 797 ± 10.9	33.31 ± 0.52 846 ± 13.1	35.50 ± 0.36 902 ± 9.2			35.8 16.3
			3.55 90.2	34.54 ± 0.48 877 ± 12.2	36.73 ± 0.58 933 ± 14.7	39.18 ± 0.41 995 ± 10.3			40.2 18.2
			3.95 100.3	37.71 ± 0.53 958 ± 13.5	40.14 ± 0.64 1020 ± 16.3	42.87 ± 0.45 1089 ± 11.4			44.6 20.2
			4.35 110.5	40.88 ± 0.58 1038 ± 14.8	43.55 ± 0.70 1106 ± 17.8	46.56 ± 0.49 1183 ± 12.5			48.9 22.2
			4.75 120.7	44.05 ± 0.63 1119 ± 16.1	46.97 ± 0.76 1193 ± 19.4	50.24 ± 0.54 1276 ± 13.6			53.3 24.2
4 DN100	4.500 114.3	Style 357/857	0.35 8.9	11.22 ± 0.07 285 ± 1.8	11.46 ± 0.08 291 ± 2.1	11.74 ± 0.06 298 ± 1.6	5.92 150	8.75 222	8.3 3.7
			0.75 19.1	14.44 ± 0.12 367 ± 3.1	14.92 ± 0.14 379 ± 3.7	15.47 ± 0.11 393 ± 2.7			14.6 6.6
			1.15 29.2	17.66 ± 0.17 448 ± 4.4	18.39 ± 0.21 467 ± 5.2	19.21 ± 0.15 488 ± 3.8			20.9 9.5
			1.55 39.4	20.88 ± 0.22 530 ± 5.7	21.85 ± 0.27 555 ± 6.8	22.94 ± 0.19 583 ± 4.9			27.2 12.3
			1.95 49.5	24.10 ± 0.28 612 ± 7.0	25.31 ± 0.33 643 ± 8.4	26.68 ± 0.24 678 ± 6.0			33.5 15.2
			2.35 59.7	27.31 ± 0.33 694 ± 8.3	28.77 ± 0.39 731 ± 10.0	30.41 ± 0.28 772 ± 7.1			39.9 18.1
			2.75 69.9	30.53 ± 0.38 776 ± 9.6	32.23 ± 0.45 819 ± 11.5	34.15 ± 0.32 867 ± 8.2			46.2 21.0
			3.15 80.0	33.75 ± 0.43 857 ± 10.9	35.70 ± 0.52 907 ± 13.1	37.88 ± 0.36 962 ± 9.2			52.5 23.8
			3.55 90.2	36.97 ± 0.48 939 ± 12.2	39.16 ± 0.58 995 ± 14.7	41.62 ± 0.41 1057 ± 10.3			58.8 26.7
			3.95 100.3	40.19 ± 0.53 1021 ± 13.5	42.62 ± 0.64 1083 ± 16.3	45.35 ± 0.45 1152 ± 11.4			65.2 29.6
			4.35 110.5	43.41 ± 0.58 1103 ± 14.8	46.08 ± 0.70 1170 ± 17.8	49.09 ± 0.49 1247 ± 12.5			71.5 32.4
			4.75 120.7	46.63 ± 0.63 1184 ± 16.1	49.54 ± 0.76 1258 ± 19.4	52.82 ± 0.54 1342 ± 13.6			77.8 35.3

NOTES

- For coupling performance and dimensional data in non-potable water applications, refer to [publication 33.07](#): Victaulic Style 357 Installation-Ready™ Rigid Coupling.
- For coupling performance and dimensional data in potable water applications, refer to [publication 33.17](#): Victaulic Style 857 Installation-Ready™ Rigid Coupling.

4.0 DIMENSIONS (CONTINUED)

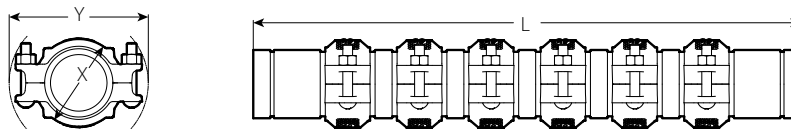


Size		Coupling Style Number	Rated Movement inches mm	Length "L"			Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm			Compressed inches mm	Neutral inches mm	Expanded inches mm	X inches mm	Y inches mm	Approx. (Each) lb kg
6 DN150	6.625 168.3	Style 357/857	0.35 8.9	13.22 ± 0.08 336 ± 1.9	13.47 ± 0.08 342 ± 2.1	13.74 ± 0.06 349 ± 1.6	8.02 204	10.54 268	14.2 6.4
			0.75 19.1	16.45 ± 0.13 418 ± 3.3	16.93 ± 0.14 430 ± 3.7	17.47 ± 0.11 444 ± 2.7			23.8 10.8
			1.15 29.2	19.67 ± 0.19 500 ± 4.7	20.40 ± 0.21 518 ± 5.2	21.21 ± 0.15 539 ± 3.8			33.4 15.1
			1.55 39.4	22.89 ± 0.24 581 ± 6.1	23.86 ± 0.27 606 ± 6.8	24.94 ± 0.19 633 ± 4.9			43.0 19.5
			1.95 49.5	26.12 ± 0.30 663 ± 7.5	27.33 ± 0.33 694 ± 8.4	28.68 ± 0.24 728 ± 6.0			52.6 23.9
			2.35 59.7	29.34 ± 0.35 745 ± 8.9	30.80 ± 0.39 782 ± 10.0	32.41 ± 0.28 823 ± 7.1			62.2 28.2
			2.75 69.9	32.56 ± 0.41 827 ± 10.3	34.26 ± 0.45 870 ± 11.5	36.15 ± 0.32 918 ± 8.2			71.8 32.6
			3.15 80.0	35.78 ± 0.46 909 ± 11.7	37.73 ± 0.52 958 ± 13.1	39.88 ± 0.36 1013 ± 9.2			81.4 36.9
			3.55 90.2	39.01 ± 0.52 991 ± 13.1	41.19 ± 0.58 1046 ± 14.7	43.62 ± 0.41 1108 ± 10.3			91.0 41.3
			3.95 100.3	42.23 ± 0.57 1073 ± 14.5	44.66 ± 0.64 1134 ± 16.3	47.35 ± 0.45 1203 ± 11.4			100.6 45.6
			4.35 110.5	45.45 ± 0.62 1155 ± 15.9	48.13 ± 0.70 1222 ± 17.8	51.09 ± 0.49 1298 ± 12.5			110.2 50.0
			4.75 120.7	48.68 ± 0.68 1236 ± 17.3	51.59 ± 0.76 1310 ± 19.4	54.82 ± 0.54 1392 ± 13.6			119.8 54.3
8 DN200	8.625 219.1	Style 357/857	0.35 8.9	13.23 ± 0.08 336 ± 1.9	13.47 ± 0.08 342 ± 2.1	13.74 ± 0.06 349 ± 1.6	10.50 267	14.40 366	26.4 12.0
			0.75 19.1	16.46 ± 0.13 418 ± 3.3	16.95 ± 0.14 430 ± 3.7	17.49 ± 0.11 444 ± 2.7			45.9 20.8
			1.15 29.2	19.69 ± 0.19 500 ± 4.7	20.42 ± 0.21 519 ± 5.2	21.23 ± 0.15 539 ± 3.8			65.4 29.7
			1.55 39.4	22.92 ± 0.24 582 ± 6.1	23.90 ± 0.27 607 ± 6.8	24.97 ± 0.19 634 ± 4.9			84.9 38.5
			1.95 49.5	26.16 ± 0.30 664 ± 7.5	27.37 ± 0.33 695 ± 8.4	28.72 ± 0.24 729 ± 6.0			104.4 47.3
			2.35 59.7	29.39 ± 0.35 746 ± 8.9	30.84 ± 0.39 783 ± 10.0	32.46 ± 0.28 824 ± 7.1			123.9 56.2
			2.75 69.9	32.62 ± 0.41 828 ± 10.3	34.32 ± 0.45 872 ± 11.5	36.20 ± 0.32 920 ± 8.2			143.4 65.0
			3.15 80.0	35.85 ± 0.46 911 ± 11.7	37.79 ± 0.52 960 ± 13.1	39.94 ± 0.36 1015 ± 9.2			162.8 73.9
			3.55 90.2	39.08 ± 0.52 993 ± 13.1	41.27 ± 0.58 1048 ± 14.7	43.69 ± 0.41 1110 ± 10.3			182.3 82.7
			3.95 100.3	42.31 ± 0.57 1075 ± 14.5	44.74 ± 0.64 1136 ± 16.3	47.43 ± 0.45 1205 ± 11.4			201.8 91.5
			4.35 110.5	45.54 ± 0.62 1157 ± 15.9	48.21 ± 0.70 1225 ± 17.8	51.17 ± 0.49 1300 ± 12.5			221.3 100.4
			4.75 120.7	48.77 ± 0.68 1239 ± 17.3	51.69 ± 0.76 1313 ± 19.4	54.92 ± 0.54 1395 ± 13.6			240.8 109.2

NOTES

- For coupling performance and dimensional data in non-potable water applications, refer to [publication 33.07](#): Victaulic Style 357 Installation-Ready™ Rigid Coupling.
- For coupling performance and dimensional data in potable water applications, refer to [publication 33.17](#): Victaulic Style 857 Installation-Ready™ Rigid Coupling.

4.0 DIMENSIONS (CONTINUED)



Size		Coupling Style Number	Rated Movement 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) lb kg
10 DN250	10.750 273.0	Style 357/857	0.35 8.9	13.23 ± 0.08 336 ± 1.9	13.47 ± 0.08 342 ± 2.1	13.74 ± 0.06 349 ± 1.6	12.66 322	16.94 430	36.0 16.3
			0.75 19.1	16.46 ± 0.13 418 ± 3.3	16.95 ± 0.14 430 ± 3.7	17.49 ± 0.11 444 ± 2.7			61.7 28.0
			1.15 29.2	19.69 ± 0.19 500 ± 4.7	20.42 ± 0.21 519 ± 5.2	21.23 ± 0.15 539 ± 3.8			87.3 39.6
			1.55 39.4	22.92 ± 0.24 582 ± 6.1	23.90 ± 0.27 607 ± 6.8	24.97 ± 0.19 634 ± 4.9			113.0 51.3
			1.95 49.5	26.16 ± 0.30 664 ± 7.5	27.37 ± 0.33 695 ± 8.4	28.72 ± 0.24 729 ± 6.0			138.7 62.9
			2.35 59.7	29.39 ± 0.35 746 ± 8.9	30.84 ± 0.39 783 ± 10.0	32.46 ± 0.28 824 ± 7.1			164.3 74.5
			2.75 69.9	32.62 ± 0.41 828 ± 10.3	34.32 ± 0.45 872 ± 11.5	36.20 ± 0.32 920 ± 8.2			190.0 86.2
			3.15 80.0	35.85 ± 0.46 911 ± 11.7	37.79 ± 0.52 960 ± 13.1	39.94 ± 0.36 1015 ± 9.2			215.7 97.8
			3.55 90.2	39.08 ± 0.52 993 ± 13.1	41.27 ± 0.58 1048 ± 14.7	43.69 ± 0.41 1110 ± 10.3			241.3 109.5
			3.95 100.3	42.31 ± 0.57 1075 ± 14.5	44.74 ± 0.64 1136 ± 16.3	47.43 ± 0.45 1205 ± 11.4			267.0 121.1
			4.35 110.5	45.54 ± 0.62 1157 ± 15.9	48.21 ± 0.70 1225 ± 17.8	51.17 ± 0.49 1300 ± 12.5			292.7 132.8
			4.75 120.7	48.77 ± 0.68 1239 ± 17.3	51.69 ± 0.76 1313 ± 19.4	54.92 ± 0.54 1395 ± 13.6			318.4 144.4
12 DN300	12.750 323.9	Style 357/857	0.35 8.9	13.23 ± 0.08 336 ± 1.9	13.47 ± 0.08 342 ± 2.1	13.74 ± 0.06 349 ± 1.6	14.68 373	18.74 476	43.5 19.7
			0.75 19.1	16.46 ± 0.13 418 ± 3.3	16.95 ± 0.14 430 ± 3.7	17.49 ± 0.11 444 ± 2.7			72.7 33.0
			1.15 29.2	19.69 ± 0.19 500 ± 4.7	20.42 ± 0.21 519 ± 5.2	21.23 ± 0.15 539 ± 3.8			102.0 46.2
			1.55 39.4	22.92 ± 0.24 582 ± 6.1	23.90 ± 0.27 607 ± 6.8	24.97 ± 0.19 634 ± 4.9			131.2 59.5
			1.95 49.5	26.16 ± 0.30 664 ± 7.5	27.37 ± 0.33 695 ± 8.4	28.72 ± 0.24 729 ± 6.0			160.5 72.8
			2.35 59.7	29.39 ± 0.35 746 ± 8.9	30.84 ± 0.39 783 ± 10.0	32.46 ± 0.28 824 ± 7.1			189.7 86.0
			2.75 69.9	32.62 ± 0.41 828 ± 10.3	34.32 ± 0.45 872 ± 11.5	36.20 ± 0.32 920 ± 8.2			218.9 99.3
			3.15 80.0	35.85 ± 0.46 911 ± 11.7	37.79 ± 0.52 960 ± 13.1	39.94 ± 0.36 1015 ± 9.2			248.2 112.6
			3.55 90.2	39.08 ± 0.52 993 ± 13.1	41.27 ± 0.58 1048 ± 14.7	43.69 ± 0.41 1110 ± 10.3			277.4 125.8
			3.95 100.3	42.31 ± 0.57 1075 ± 14.5	44.74 ± 0.64 1136 ± 16.3	47.43 ± 0.45 1205 ± 11.4			306.7 139.1
			4.35 110.5	45.54 ± 0.62 1157 ± 15.9	48.21 ± 0.70 1225 ± 17.8	51.17 ± 0.49 1300 ± 12.5			335.9 152.4
			4.75 120.7	48.77 ± 0.68 1239 ± 17.3	51.69 ± 0.76 1313 ± 19.4	54.92 ± 0.54 1395 ± 13.6			365.2 165.6

NOTES

- For coupling performance and dimensional data in non-potable water applications, refer to [publication 33.07](#): Victaulic Style 357 Installation-Ready™ Rigid Coupling.
- For coupling performance and dimensional data in potable water applications, refer to [publication 33.17](#): Victaulic Style 857 Installation-Ready™ Rigid Coupling.

5.0 PERFORMANCE

Style 355/355P PGS-300 Expansion Joint

Maximum Working Pressure For Schedule 80 CPVC Pipe At +73°F/+23°C

Size		Maximum Working Pressure
Nominal inches DN	Actual Outside Diameter inches mm	
2 DN50	2.375 60.3	400 2758
2 ½	2.875 73.0	420 2896
3 DN80	3.500 88.9	370 2551
4 DN100	4.500 114.3	320 2206
6 DN150	6.625 168.3	280 1931
8 DN200	8.625 219.1	250 1724
10 DN250	10.750 273.0	175 1207
12 DN300	12.750 323.9	175 1207

Maximum Working Pressure For Schedule 40 CPVC/PVC Pipe At +73°F/+23°C

Size		Maximum Working Pressure
Nominal inches DN	Actual Outside Diameter inches mm	
2 DN50	2.375 60.3	280 1931
2 ½	2.875 73.0	260 1793
3 DN80	3.500 88.9	230 1586
4 DN100	4.500 114.3	220 1517
6 DN150	6.625 168.3	180 1241
8 DN200	8.625 219.1	140 965
10 DN250	10.750 273.0	120 827
12 DN300	12.750 323.9	110 758

Maximum Working Pressure For Schedule 80 PVC Pipe At +73°F/+23°C

Size		Maximum Working Pressure
Nominal inches DN	Actual Outside Diameter inches mm	
2 DN50	2.375 60.3	380 2620
2 ½	2.875 73.0	380 2620
3 DN80	3.500 88.9	320 2206
4 DN100	4.500 114.3	320 2206
6 DN150	6.625 168.3	260 1793
8 DN200	8.625 219.1	240 1655
10 DN250	10.750 273.0	175 1207
12 DN300	12.750 323.9	175 1207

5.1 PERFORMANCE

Maximum Working Pressure For Schedules 40 and 80 CPVC Pipe At Elevated Temperature

For the maximum working pressure rating of the joint at elevated temperature, multiply the working pressure rating of the coupling at +73°F/+23°C by the appropriate derating factor in the chart below.

Pressure capacity derating factors for operating temperatures above 73°F/23°C		
At 80°F/27°C	Multiply By	1.00
At 90°F/32°C	Multiply By	0.91
At 100°F/37°C	Multiply By	0.82
At 110°F/43°C	Multiply By	0.72
At 120°F/49°C	Multiply By	0.65
At 130°F/54°C	Multiply By	0.57
At 140°F/60°C	Multiply By	0.50
At 150°F/66°C	Multiply By	0.42
At 160°F/71°C	Multiply By	0.40
At 170°F/77°C	Multiply By	0.29
At 180°F/82°C	Multiply By	0.25
At 200°F/93°C	Multiply By	0.20

NOTE

- Derating factors are typical per the pipe manufacturer's recommendation in accordance with ASTM D2837 and PPI TR-3.

Maximum Working Pressure For Schedules 40 and 80 PVC Pipe at Elevated Temperature

For the maximum working pressure rating of the joint at elevated temperature, multiply the working pressure rating of the coupling at +73°F/+23°C by the appropriate derating factor in the chart below.

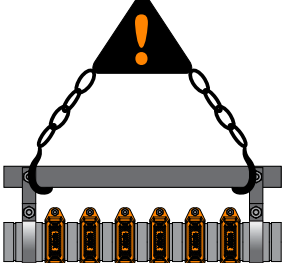
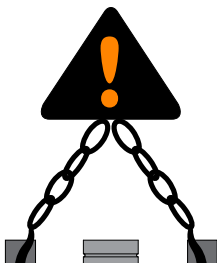
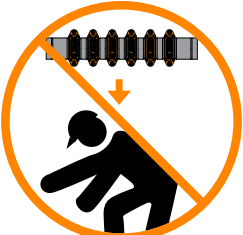
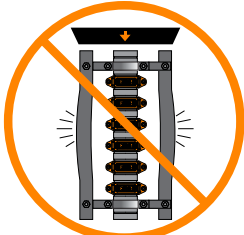
Pressure capacity derating factors for operating temperatures above 73°F/23°C		
At 80°F/27°C	Multiply By	0.88
At 90°F/32°C	Multiply By	0.75
At 100°F/37°C	Multiply By	0.62
At 110°F/43°C	Multiply By	0.51
At 120°F/49°C	Multiply By	0.40
At 130°F/54°C	Multiply By	0.31
At 140°F/60°C	Multiply By	0.22

NOTE

- Derating factors are typical per the pipe manufacturer's recommendation in accordance with ASTM D2837 and PPI TR-3.

6.0 NOTIFICATIONS

 WARNING					
					
- Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping products. - Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic piping products. - Wear safety glasses, hardhat, and foot protection. Failure to follow these instructions could result in death or serious personal injury and property damage.					

 WARNING	
	
	
- Lift expansion joints ONLY by riser clamps and tie bars. - Always use proper rigging techniques and extreme caution when lifting expansion joints during installation. Distribute weight evenly and keep center of gravity low to secure and prevent expansion joints from shifting and sliding during installation. - In risers, the piping above expansion joints shall be supported properly to prevent external loads from damaging riser clamps. The purpose of the riser clamps is to maintain the expansion joint's length during shipping, installation, and placement of anchoring. Following expansion joint installation, the riser clamps shall be removed. Failure to remove the riser clamps will not allow the expansion joint to accommodate the expected piping system expansion or contraction and will void the Victaulic warranty. DO NOT use expansion joint couplings and nipples for lifting purposes. DO NOT apply force to expansion joints. DO NOT remove riser clamps until installation and anchoring are complete. Failure to follow all instructions and warnings could result in death or serious personal injury and property damage.	

7.0 REFERENCE MATERIALS

[02.06: Victaulic Potable Water Approvals ANSI/NSF](#)
[05.01: Victaulic Seal Selection Guide](#)
[09.06: Victaulic Expansion Joint Installation Design Data](#)
[24.09: Victaulic Cut Grooving Tool for CPVC/PVC Pipe: Model CG1100](#)
[25.18: Victaulic PGS-300 Cut Groove Specifications](#)
[26.02: Victaulic Pipe line Thermal Growth Design Data](#)
[33.03: Victaulic CPVC Fittings](#)
[33.07: Victaulic Installation-Ready™ Rigid Coupling Style 357](#)
[33.17: Victaulic Installation-Ready™ Rigid Coupling Style 857](#)
[I-350: Victaulic Field Installation Handbook: CPVC Piping Products](#)
[I-357: Victaulic Installation Instructions Style 357 Rigid Coupling](#)
[I-857: Victaulic Installation Instructions Style 857 Rigid Coupling](#)
[I-ENDCAP: Victaulic End Cap Installation Safety Instructions](#)

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.

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