

Victaulic® Duplex Stainless Steel Rigid Coupling

Style 489DX



1.0 PRODUCT DESCRIPTION

Available Sizes:

- 2 – 12"/DN50 – DN300

Maximum Working Pressure:

- 1200 psi/8273 kPa/83 bar

Application:

- Provides a rigid pipe joint designed to restrict axial or angular movement. Contact Victaulic for information on torsional resistance.
- This product joins Original Groove System (OGS) roll grooved and cut grooved pipe, as well as grooved fittings, valves and accessories

Pipe Material

- Stainless steel
 - Austenitic: 304, 316
 - Super Austenitic: 254SMO, AL6XN
 - Duplex: 2205
 - Super Duplex: 2507, Zeron 100

2.0 CERTIFICATION/LISTINGS

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

NOTES

- The Style 489DX is NSF Certified in accordance with ANSI/NSF 61 for cold +73°F/+23°C and hot +180°F/+82°C potable water service and ANSI/NSF 372.
- See [publication 02.06](#) for potable water approvals if applicable.

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

| | | | |
|--------------|--|----------|--|
| System No. | | Location | |
| Submitted By | | Date | |

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| Spec Section | | Paragraph | |
| Approved | | Date | |

3.0 SPECIFICATIONS – MATERIAL

Housing: Duplex stainless steel (CE8MN) conforming to ASTM A890. Super Duplex stainless steel (CE3MN) conforming to ASTM A890 is available upon special request.

Gaskets: (specify choice¹)

Grade "E3" EPDM

EPDM (Green and Silver stripes color code) Temperature range –30°F to +230°F/ –34°C to +110°C. May be specified for cold and hot water service within the specific 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.**

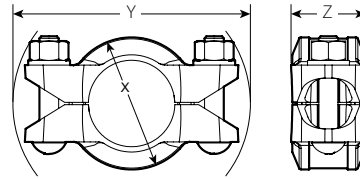
¹ Services listed are General Service Guidelines only. It should be noted that there are services for which these gaskets are not compatible. Reference should always be made to the latest [Victaulic Seal Selection Guide](#) for specific gasket service guidelines and for a listing of services which are not compatible.

Bolts/Nuts: Stainless steel oval neck track bolts meeting the mechanical property requirements of ASTM A193 Grade B8M, Class 2 (316 stainless steel). Stainless steel heavy hex nuts meeting the mechanical property requirements of ASTM A194 Grade 8M (316 stainless steel), condition CW, with galling reducing coating.

Washers: ASME/ANSI B18.22.1, Type 316 stainless steel flat washer

4.0 DIMENSIONS

Style 489DX Rigid Coupling



| Size | | Pipe End Separation ² | Bolt/Nut ³ | | Nut Torque | Dimensions | | | Weight |
|--------------|-------------------------|----------------------------------|-----------------------|--------------|------------------------|----------------|----------------|--------------|--------------------|
| Nominal | Actual Outside Diameter | Allowable | Qty. | Size | | X | Y | Z | Approximate (Each) |
| inches DN | inches mm | inches mm | | inches mm | inches mm | inches mm | inches mm | inches mm | lb kg |
| 2 DN50 | 2.375 60.3 | 0.05 1.3 | 2 | 1/2 x 2 3/4 | 45 - 60 60 - 80 | 3.44 87.4 | 6.18 157.0 | 1.95 49.5 | 3.0 1.4 |
| 2 1/2 | 2.875 73.0 | 0.05 1.3 | 2 | 5/8 x 3 1/2 | 60 - 90 80 - 120 | 4.00 101.6 | 7.22 183.4 | 1.95 49.5 | 3.9 1.8 |
| DN65 | 3.000 76.1 | 0.05 1.3 | 2 | 5/8 x 3 1/2 | 60 - 90 80 - 120 | 3.96 100.6 | 7.42 188.5 | 1.95 49.5 | 3.9 1.8 |
| 3 DN80 | 3.500 88.9 | 0.05 1.3 | 2 | 5/8 x 3 1/2 | 60 - 90 80 - 120 | 4.69 119.1 | 7.84 199.1 | 1.95 49.5 | 4.6 2.1 |
| 4 DN100 | 4.500 114.3 | 0.19 4.8 | 2 | 3/4 x 4 1/4 | 85 - 125 115 - 170 | 5.94 150.9 | 9.68 245.9 | 2.09 53.1 | 8.5 3.9 |
| DN125 | 5.500 139.7 | 0.25 6.4 | 2 | 3/4 x 4 1/4 | 85 - 125 115 - 170 | 7.01 178.1 | 10.94 277.9 | 2.31 58.7 | 11.8 5.3 |
| 6 DN150 | 6.625 168.3 | 0.25 6.4 | 2 | 7/8 x 5 1/2 | 125 - 200 170 - 275 | 8.16 207.3 | 12.70 322.6 | 2.31 58.7 | 15.5 7.0 |
| | 6.500 165.1 | 0.25 6.4 | 2 | 7/8 x 5 1/2 | 125 - 200 170 - 275 | 8.03 204.0 | 12.70 322.6 | 2.31 58.7 | 15.5 7.0 |
| 8 DN200 | 8.625 219.1 | 0.25 6.4 | 2 | 1 x 5 1/2 | 200 - 300 275 - 400 | 10.62 269.7 | 15.04 382.0 | 2.62 66.5 | 24.0 10.9 |
| 10 DN250 | 10.750 273.0 | 0.25 6.4 | 2 | 1 x 6 1/2 | 250 - 350 339 - 475 | 13.09 332.5 | 17.29 439.2 | 2.69 68.3 | 33.0 15.0 |
| 12 DN300 | 12.750 323.9 | 0.25 6.4 | 2 | 1 x 6 1/2 | 250 - 350 339 - 475 | 15.13 384.3 | 19.13 485.9 | 2.81 71.4 | 40.0 18.1 |

² For field installation only. Style 489DX is essentially rigid and does not permit expansion or contraction.

³ Metric thread size bolts are available (color coded gold) for all coupling sizes upon request. Contact Victaulic for details.

5.0 PERFORMANCE

Performance on ANSI wall thicknesses (Austenitic Pipe Materials)

| Size | | Pipe Wall Thickness | | Groove Type | Maximum | |
|-------------------------|---|---------------------|----------------------------|-------------|--|-------------------------------------|
| Nominal inches DN | Actual Outside Diameter inches mm | inches mm | ANSI Schedule Number | | Working Pressure ⁴ psi kPa | End Load ⁵ lb N |
| 2 DN50 | 2.375 60.3 | 0.218 5.5 | 80S | C | 750 5171 | 3323 14780 |
| | | 0.154 3.9 | 40S | Std/C | 750 5171 | 3323 14780 |
| | | 0.109 2.8 | 10S | RX | 500 3447 | 2217 9861 |
| | | 0.065 1.7 | 5S | RX | 325 2241 | 1440 6405 |
| 2½ | 2.875 73.0 | 0.276 7.0 | 80S | C | 750 5171 | 4869 21658 |
| | | 0.203 5.2 | 40S | Std/C | 750 5171 | 4869 21658 |
| | | 0.120 3.1 | 10S | RX | 500 3447 | 3248 14449 |
| | | 0.083 2.1 | 5S | RX | 325 2241 | 2110 9386 |
| 3 DN80 | 3.500 88.9 | 0.300 7.6 | 80S | C | 750 5171 | 7216 32098 |
| | | 0.216 5.5 | 40S | Std/C | 750 5171 | 7216 32098 |
| | | 0.120 3.1 | 10S | RX | 500 3447 | 4814 21415 |
| | | 0.083 2.1 | 5S | RX | 325 2241 | 3127 13910 |
| 4 DN100 | 4.500 114.3 | 0.337 8.6 | 80S | C | 750 5171 | 11928 53059 |
| | | 0.237 6.0 | 40S | Std/C | 750 5171 | 11928 53059 |
| | | 0.120 3.1 | 10S | RX | 400 2758 | 6362 28298 |
| | | 0.083 2.1 | 5S | RX | 250 1725 | 3979 17700 |
| 6 DN150 | 6.625 168.3 | 0.280 7.1 | 40S | Std/C | 750 5171 | 25854 115003 |
| | | 0.134 3.4 | 10S | RX | 300 2068 | 10324 45925 |
| | | 0.109 2.8 | 5S | RX | 250 1724 | 8618 38334 |

⁴ Working Pressure and End Load are total, from all internal and external loads, roll or cut grooved in accordance with Victaulic specifications. Roll grooving shall use Victaulic roll sets.

NOTES

- RX = Roll Set for light wall stainless steel pipe marked with the prefix "RX"
- Std = Standard roll set marked with the prefix "R"
- C = Cut groove
- Contact Victaulic for performance on other pipe. See [publication 24.01](#) for more information pertaining to tools.
- WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1 ½ times the figures shown.

5.0 PERFORMANCE (CONTINUED)

Performance on ANSI wall thicknesses (Austenitic Pipe Materials)

| Size | | Pipe Wall Thickness | | Groove Type | Maximum | |
|-------------------------|---|---------------------|----------------------------|-------------|--|-------------------------------------|
| Nominal inches DN | Actual Outside Diameter inches mm | inches mm | ANSI Schedule Number | | Working Pressure ⁴ psi kPa | End Load ⁴ lb N |
| 8 DN200 | 8.625 219.1 | 0.322 8.2 | 40S | Std/C | 600 4136 | 35049 155903 |
| | | 0.148 3.8 | 10S | RX | 300 2068 | 17499 77838 |
| | | 0.109 2.8 | 5S | RX | 200 1379 | 11686 51980 |
| 10 DN250 | 10.750 273.0 | 0.365 9.3 | 40S | Std/C | 600 4136 | 54446 242188 |
| | | 0.165 4.2 | 10S | RX | 300 2068 | 27184 120918 |
| | | 0.134 3.4 | 5S | RX | 250 1724 | 22691 100933 |
| 12 DN300 | 12.750 323.9 | 0.375 9.5 | 40S | Std/C | 600 4136 | 76590 340687 |
| | | 0.181 4.6 | 10S | RX | 300 2068 | 38239 170097 |
| | | 0.156 4.0 | 5S | RX | 200 1379 | 25536 113590 |

⁴ Working Pressure and End Load are total, from all internal and external loads, roll or cut grooved in accordance with Victaulic specifications. Roll grooving shall use Victaulic roll sets.

NOTES

- RX = Roll Set for light wall stainless steel pipe marked with the prefix "RX"
- Std = Standard roll set marked with the prefix "R"
- C = Cut groove
- Contact Victaulic for performance on other pipe. See [publication 24.01](#) for more information pertaining to tools.
- WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1 ½ times the figures shown.

5.1 PERFORMANCE

Performance on ANSI wall thickness (Super Austenitic, Duplex, and Super Duplex Pipe Materials)

| Size | | Pipe Wall Thickness | | Groove Type | Maximum | |
|-------------------------|---|---------------------|----------------------------|-------------|--|-------------------------------------|
| Nominal inches DN | Actual Outside Diameter inches mm | inches mm | ANSI Schedule Number | | Working Pressure ⁴ psi kPa | End Load ⁴ lb N |
| 2 DN50 | 2.375 60.3 | 0.154 3.9 | Duplex/Super Duplex 40S | C | 1200 8273 | 5316 23656 |
| 2½ | 2.875 73.0 | 0.203 5.2 | Duplex/Super Duplex 40S | C | 1200 8273 | 7790 34666 |
| 3 DN80 | 3.500 88.9 | 0.216 5.5 | Duplex/Super Duplex 40S | C | 1200 8273 | 11545 51375 |
| 4 DN100 | 4.500 114.3 | 0.237 6.0 | Duplex/Super Duplex 40S | C | 1200 8273 | 19084 84924 |
| 6 DN150 | 6.625 168.3 | 0.280 7.1 | Duplex/Super Duplex 40S | C | 1200 8273 | 41370 184030 |
| 8 DN200 | 8.625 219.1 | 0.322 8.2 | Duplex/Super Duplex 40S | C | 1200 8273 | 70110 311870 |
| 10 DN250 | 10.750 273.0 | 0.365 9.3 | Duplex/Super Duplex 40S | C | 1200 8273 | 108920 484500 |
| 12 DN300 | 12.750 323.9 | 0.375 9.5 | Duplex/Super Duplex 40S | C | 1200 8273 | 153210 681520 |

⁴ Working Pressure and End Load are total, from all internal and external loads, cut grooved in accordance with Victaulic specifications.

NOTES

- C = Cut groove
- Contact Victaulic for performance on other pipe. See [publication 24.01](#) for more information pertaining to tools.
- WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1 ½ times the figures shown.

5.2 PERFORMANCE

Performance on ISO wall thicknesses (Austenitic Pipe Materials)

| Size | | Pipe Wall Thickness | Groove Type | Maximum | |
|---------------|-------------------------|---------------------|-------------|-------------------------------|-----------------------|
| Nominal | Actual Outside Diameter | | | Working Pressure ⁴ | End Load ⁴ |
| inches DN | inches mm | inches mm | | kPa psi | N lb |
| 1 1/2 DN40 | 1.900 48.3 | 0.197 5.0 | C | 5171 750 | 9459 2126 |
| | | 0.197 3.6 | Std/C | 5171 750 | 9459 2126 |
| | | 0.126 3.2 | Std | 4137 600 | 7567 1701 |
| | | 0.102 2.6 | RX | 3275 475 | 5991 1347 |
| | | 0.079 2.0 | RX | 2930 425 | 5360 1205 |
| | | 0.063 1.6 | RX | 2758 400 | 5045 1134 |
| 2 DN50 | 2.375 60.3 | 0.220 5.6 | C | 5171 750 | 14780 3323 |
| | | 0.157 4.0 | Std/C | 5171 750 | 14780 3323 |
| | | 0.142 3.6 | Std | 4654 675 | 13302 2990 |
| | | 0.126 3.2 | Std | 4137 600 | 11824 2658 |
| | | 0.114 2.9 | Std | 3620 525 | 10346 2326 |
| | | 0.102 2.6 | RX | 3275 475 | 9360 2104 |
| | | 0.091 2.3 | RX | 2930 425 | 8375 1883 |
| | | 0.079 2.0 | RX | 2586 375 | 7347 1652 |
| DN65 | 3.000 76.1 | 0.280 7.1 | C | 5171 750 | 23582 5301 |
| | | 0.252 6.4 | C | 5171 750 | 23582 5301 |
| | | 0.197 5.0 | Std/C | 4482 650 | 20438 4595 |
| | | 0.157 4.0 | Std | 3964 575 | 18079 4064 |
| | | 0.142 3.6 | Std | 3792 550 | 17293 3888 |
| | | 0.122 3.1 | Std | 3450 500 | 15733 3537 |
| | | 0.114 2.0 | RX | 3275 475 | 14935 3358 |
| | | 0.102 2.6 | RX | 2930 425 | 13363 3004 |
| | | 0.091 2.3 | RX | 2413 350 | 11005 2474 |
| | | 0.083 2.1 | RX | 2241 325 | 10220 2297 |
| | | 0.079 2.9 | RX | 2241 325 | 10220 2297 |

| Size | | Pipe Wall Thickness | Groove Type | Maximum | |
|--------------|-------------------------|---------------------|-------------|-------------------------------|-----------------------|
| Nominal | Actual Outside Diameter | | | Working Pressure ⁴ | End Load ⁴ |
| inches DN | inches mm | inches mm | | kPa psi | N lb |
| 3 DN80 | 3.500 88.9 | 0.315 8.0 | C | 5171 750 | 32098 7216 |
| | | 0.220 5.6 | Std/C | 5171 750 | 32098 7216 |
| | | 0.157 4.0 | Std | 4137 600 | 25678 5773 |
| | | 0.142 3.6 | Std | 3792 550 | 23538 5292 |
| | | 0.126 3.2 | Std | 3450 500 | 21398 4811 |
| | | 0.114 2.9 | RX | 3275 475 | 20328 4570 |
| | | 0.102 2.6 | RX | 2930 425 | 18189 4089 |
| | | 0.091 2.3 | RX | 2413 350 | 14979 3367 |
| 4 DN100 | 4.500 114.3 | 0.079 2.0 | RX | 2241 325 | 13910 3127 |
| | | 0.346 8.8 | C | 5171 750 | 53059 11928 |
| | | 0.248 6.3 | C | 5171 750 | 53059 11928 |
| | | 0.177 4.5 | Std | 3964 575 | 40679 9145 |
| | | 0.142 3.6 | Std | 3103 450 | 31836 7157 |
| | | 0.114 2.9 | RX | 2586 375 | 26530 5964 |
| | | 0.102 2.6 | RX | 2238 325 | 22958 5161 |
| | | 0.079 2.0 | RX | 1600 232 | 16417 3691 |

⁴ Working Pressure and End Load are total, from all internal and external loads, roll or cut grooved in accordance with Victaulic specifications. Roll grooving shall use Victaulic roll sets.

NOTES

- RX = Roll Set for light wall stainless steel pipe marked with the prefix "RX"
- Std = Standard roll set marked with the prefix "R"
- C = Cut groove
- Contact Victaulic for performance on other pipe. See [publication 24.01](#) for more information pertaining to tools.
- WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1 1/2 times the figures shown.

5.2 PERFORMANCE (Continued)

Performance on ISO wall thicknesses (Austenitic Pipe Materials)

| Size | | Pipe Wall Thickness | Groove Type | Maximum | |
|-------------------|-----------------------------------|---------------------|-------------|---------------------------------------|----------------------------|
| Nominal inches DN | Actual Outside Diameter inches mm | | | Working Pressure ⁴ kPa psi | End Load ⁴ N lb |
| DN125 | 5.500 139.7 | 0.394 10.0 | C | 5171 750 | 79261 17819 |
| | | 0.280 7.1 | C | 5171 750 | 79261 17819 |
| | | 0.260 6.6 | Std | 5171 750 | 79261 17819 |
| | | 0.260 6.6 | C | 5171 750 | 79261 17819 |
| | | 0.248 6.3 | Std/C | 4826 700 | 73977 16631 |
| | | 0.220 5.6 | Std/C | 4137 600 | 63409 14255 |
| | | 0.197 5.0 | Std | 3620 525 | 55487 12474 |
| | | 0.157 4.0 | Std | 2586 375 | 39631 8909 |
| | | 0.134 3.4 | RX | 2068 300 | 31652 7116 |
| | | 0.126 3.2 | RX | 2068 300 | 31704 7127 |
| | | 0.118 3.0 | RX | 1896 275 | 29062 6534 |
| | | 0.110 2.8 | RX | 1896 275 | 29062 6534 |
| | | 0.102 2.6 | RX | 1724 250 | 26420 5940 |
| | | 0.079 2.0 | RX | 1600 232 | 24525 5513 |
| 6 DN150 | 6.625 168.3 | 0.433 11.0 | C | 5171 750 | 115003 25854 |
| | | 0.280 7.1 | C | 5171 750 | 115003 25854 |
| | | 0.280 7.1 | Std | 5171 750 | 115003 25854 |
| | | 0.197 5.0 | Std | 3447 500 | 76668 17236 |
| | | 0.177 4.5 | Std | 3103 450 | 69002 15512 |
| | | 0.157 4.0 | Std | 2586 375 | 57501 12927 |
| | | 0.126 3.2 | RX | 1896 275 | 42168 9480 |
| | | 0.118 3.0 | RX | 1896 275 | 42168 9480 |
| | | 0.102 2.6 | RX | 1600 232 | 35583 7999 |
| | | 0.079 2.0 | RX | 1600 232 | 35574 7997 |

⁴ Working Pressure and End Load are total, from all internal and external loads, roll or cut grooved in accordance with Victaulic specifications. Roll grooving shall use Victaulic roll sets.

NOTES

- RX = Roll Set for light wall stainless steel pipe marked with the prefix "RX"
- Std = Standard roll set marked with the prefix "R"
- C = Cut groove
- Contact Victaulic for performance on other pipe. See [publication 24.01](#) for more information pertaining to tools.
- WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1 ½ times the figures shown.

| Size | | Pipe Wall Thickness | Groove Type | Maximum | | | |
|-------------------|-----------------------------------|---------------------|-----------------|---------------------------------------|----------------------------|-------------|-----------------|
| Nominal inches DN | Actual Outside Diameter inches mm | | | Working Pressure ⁴ kPa psi | End Load ⁴ N lb | | |
| 8 DN200 | 8.625 219.1 | 0.492 12.5 | C | 4136 600 | 155903 35049 | | |
| | | 0.315 8.0 | Std/C | 4136 600 | 155903 35049 | | |
| | | 0.256 6.5 | Std/C | 3275 475 | 123449 27752 | | |
| | | 0.248 6.3 | Std/C | 3275 475 | 123449 27752 | | |
| | | 0.197 5.0 | Std | 2586 375 | 97459 21910 | | |
| | | 0.157 4.0 | Std | 2068 300 | 77968 17528 | | |
| | | 0.142 3.6 | RX | 1896 275 | 71470 16067 | | |
| | | 0.126 3.2 | RX | 1600 232 | 60295 13555 | | |
| | | 0.118 3.0 | RX | 1551 225 | 58476 13146 | | |
| | | 0.102 2.6 | RX | 1207 175 | 45481 10225 | | |
| | | 0.079 2.0 | RX | 1034 150 | 38984 8764 | | |
| | | 10 DN250 | 10.750 273.0 | 0.559 14.2 | C | 4136 600 | 242188 54446 |
| | | | | 0.492 12.5 | C | 4136 600 | 242188 54446 |
| | | | | 0.394 10.0 | C | 4136 600 | 242188 54446 |
| 0.248 6.3 | Std/C | | | 2930 425 | 171585 38574 | | |
| 0.157 4.0 | RX | | | 2065 300 | 121119 27229 | | |
| 0.142 3.6 | RX | | | 1724 250 | 100933 22691 | | |
| 0.126 3.2 | RX | | | 1600 232 | 93690 21062 | | |
| 0.118 3.0 | RX | | | 1379 200 | 80746 18153 | | |
| 0.102 2.6 | RX | | | 1034 150 | 60560 13614 | | |
| 0.079 2.0 | RX | | | 689 100 | 40373 9076 | | |
| 12 DN300 | 12.750 323.9 | 0.492 12.5 | C | 4136 600 | 340687 76590 | | |
| | | 0.394 10.0 | C | 4136 600 | 340687 76590 | | |
| | | 0.280 7.1 | Std/C | 3101 450 | 255568 57454 | | |
| | | 0.197 5.0 | RX | 2241 325 | 184577 41495 | | |
| | | 0.177 4.5 | RX | 2068 300 | 170379 38303 | | |
| | | 0.157 4.0 | RX | 1379 200 | 113590 25536 | | |

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.

WARNING

- Victaulic RX roll sets must be used when grooving light-wall/thin-wall stainless steel pipe for use with Victaulic Couplings.

Failure to use Victaulic RX roll sets when grooving light-wall/thin-wall stainless steel pipe may cause joint failure, resulting in serious personal injury and/or property damage.

NOTICE

- Victaulic RX grooving rolls must be ordered separately. They are identified by a silver color and the designation RX on the front of the roll sets.

7.0 REFERENCE MATERIALS

[17.25: Victaulic Stainless Steel Rigid Coupling Style 489](#)

[24.01: Victaulic Pipe Preparation Tool Specifications](#)

[26.01: Victaulic Design Data](#)

[29.01: Victaulic Terms and Conditions of Sale](#)

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

[I-ENDCAP: Victaulic End Cap Installation 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, 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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