Lightweight Flexible Stainless Steel Coupling Style 475





PRODUCT DESCRIPTION

Available Sizes

• 1 – 4" and DN25 – DN100, DN125 and 165.1 mm

Maximum Working Pressure

- Accommodates pressures from vacuum services from 10 in Hg/254 mm Hg up to 500 psi/3447 kPa/34 bar using standard gaskets. FlushSeal gaskets are required for vacuum services up to a full vacuum (29.9 in Hg/760 mm Hg).
- · Working pressure dependent on material, wall thickness and size of pipe

Operating Temperature

Dependent on gasket selection from section 3.0

Function

- Joins roll or cut grooved pipe, grooved fittings, valves and accessories
- Provides a flexible pipe joint designed to accommodate a limited amount of linear and/or angular movement

Pipe Material

• 300 Series Stainless Steel

2.0 CERTIFICATION/LISTINGS







BS FN 10311 CPR (UK) 2019 No. 465

Style 475 Flexible Couplings are FM approved for use on fire protection services up to an operating pressure of 300 psi/2070 kPa for diameters ranging from 2 to 4" for ANSI sizes and 76.1 to 165.1 mm for ISO sizes when installed on Schedule 40 stainless steel and 2" and 76.1 mm for Schedule 20 stainless steel pipe.

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

NOTE

See Victaulic <u>publication 02.06</u> for potable water approvals if applicable.

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



3.0 SPECIFICATIONS – MATERIAL

Housing:

Type 316 stainless steel, conforming to ASTM A351, A743, and A744 Grade CF8M.

Optional: Type 304 stainless steel, conforming to ASTM A351, A743 and A744, Grade CF8. (Regional availability only. Please contact Victaulic for more details.)

Gasket: (specify choice1)

Grade "E" EPDM

EPDM (Green stripe 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 specified temperature range plus a variety of dilute acids, oil free air and many chemical services. UL Classified in accordance with ANSI/NSF 61 for cold +73°F/+23°C and hot +180°F/+82°C potable water service and ANSI/NSF 372. NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES OR STEAM SERVICES.

Grade "EF" EPDM²

EPDM (Green "X" color code). Temperature range -30°F to +230°F/-34°C to +110°C. May be specified for hot and cold water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. Also meets hot and cold potable water requirements per DVGW W270, UBA Elastomer Guideline, ÖVGW, SVGW, and French ACS approved for EN681-1 Type WA cold potable, and Type WB hot potable water service. WRAS approved material to BS 6920:2014 for cold and hot potable water service up to +149°F/+65°C. NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES OR STEAM SERVICES.

Grade "EW" EPDM

EPDM (Green "W" color code). Temperature -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. WRAS approved material to BS 6920 for cold and hot potable water service up to +149°F/+65°C. UL Classified 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. 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 oil related services, including air with oil vapor, this gasket may be specified for temperatures rated up to +180°F/+82°C. For water related services, this gasket may be specified for temperatures rated up to +150°F/+66°C. For oil free, dry air services, this gasket may be specified for temperatures rated up to +140°F/+60°C. NOT COMPATIBLE FOR USE WITH HOT WATER 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 "A" White Nitrile

White nitrile (White gasket). Temperature range +20°F to +180°F/-7°C to +82 °C. No carbon black content. Meets FDA requirements. Conforms to CFR Title 21 Part 177.2600. Not compatible for hot water services over +150°F/+66°C or for hot, dry air over+140°F/+60°C.

- 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.
- Available exclusively in Europe

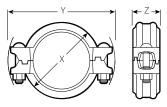
Bolts/Nuts:

Standard: 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.



DIMENSIONS 4.0

Style 475



Typical for all sizes

| Si | ze | Pipe End Separation ³ | Deflect. | From CL ³ | | Bolt/Nut ⁴ | | Dimensions | | Weight |
|----------------|-----------------------------------------|-------------------------------------|---------------------|------------------------|------|-----------------------|-----------------|-----------------|--------------------|-----------------------|
| Nominal inches | Actual Outside Diameter inches | Allowable inches | Per Cplg. | Pipe In./Ft. | Qty. | Size inches | X inches | Y inches | Z inches | Approximate (Each) |
| DN | mm | mm | Deg. | mm/m | | mm | mm | mm | mm | kg |
| 1 DN25 | 1.315 33.7 | 0 – 0.06 0 – 1.6 | 2° – 43′ | 0.57 48 | 2 | ³⁄8 x 2 | 2.13 54 | 3.98 101 | 1.63 41 | 1.3 0.6 |
| 1 ¼ DN32 | 1.660 42.4 | 0 – 0.06 0 – 1.6 | 2° – 10′ | 0.45 38 | 2 | ³⁄8 x 2 | 2.46 63 | 4.45 113 | 1.72 44 | 1.4 0.6 |
| 1½ DN40 | 1.900 48.3 | 0 – 0.06 0 – 1.6 | 1° – 56′ | 0.40 33 | 2 | ³⁄8 x 2 | 2.72 69 | 4.52 115 | 1.72 44 | 1.5 0.7 |
| 2 DN50 | 2.375 60.3 | 0 – 0.06 0 – 1.6 | 1° – 30′ | 0.32 26 | 2 | ³⁄8 x 2 | 3.30 84 | 5.03 128 | 1.80 46 | 1.7 0.8 |
| 21/2 | 2.875 73.0 | 0 – 0.06 0 – 1.6 | 1° – 15′ | 0.26 22 | 2 | 3/8 x 2 | 3.88 99 | 5.59 142 | 1.80 46 | 1.9 0.9 |
| DN65 | 3.000 76.1 | 0 – 0.06 0 – 1.6 | 1° – 12′ | 0.25 21 | 2 | 3⁄8 x 2 | 4.00 102 | 5.73 146 | 1.80 46 | 1.9 0.9 |
| 3 DN80 | 3.500 88.9 | 0 – 0.06 0 – 1.6 | 1° – 1′ | 0.21 18 | 2 | ½ x 2¾ | 4.50 114 | 6.67 169 | 1.80 46 | 2.9 1.3 |
| 4 DN100 | 4.500 114.3 | 0 – 0.13 0 – 3.2 | 1° – 35′ | 0.33 28 | 2 | ½ x 2¾ | 5.75 146 | 7.96 202 | 2.00 51 | 4.2 1.9 |
| DN125 | 5.500 139.7 | 0 – 0.13 0 – 3.2 | 1° – 18′ | 0.27 23 | 2 | ½ x 2 ¾ | 6.81 173 | 8.97 228 | 2.00 51 | 4.9 2.2 |
| | 6.500 165.1 | 0 – 0.13 0 – 3.2 | 1°-6′ | 0.23 19 | 2 | %x 3½ | 7.87 200 | 10.53 268 | 2.00 51 | 6.8 3.1 |

Allowable Pipe End Separation and Deflection figures show the maximum nominal range of movement available at each joint for standard roll grooved pipe. Figures for standard cut grooved pipe may be doubled. These figures are maximums; for design and installation purposes these figures should be reduced by: 50% for ¾ – 3 ½"/DN20 – DN90; 25% for 4"/DN100 and larger.



Metric thread size bolts are available for all coupling sizes upon request. Contact Victaulic for details.

5.0 PERFORMANCE

Performance on ANSI wall thicknesses

| | Astrod | | | | Maximum | | |
|-------------------------------|-------------------------------|--------------|-------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--|
| Nominal Size | Actual Outside Diameter | Pipo Thic | e Wall kness | Roll Set Type | Working Pressure | End Load | |
| inches DN | inches mm | inches mm | ANSI Schedule Number | | psi kPa | lb N | |
| | | 0.179 4.9 | 80S | С | 500 3447 | 679 3021 | |
| 1 | 1.315 | 0.133 3.6 | 40S | Std/C | 500 3447 | 679 3021 | |
| DN25 | 33.7 | 0.109 2.8 | 105 | RX | 350 2413 | 475 2114 | |
| | | 0.065 1.7 | 55 | RX | Working Pressure psi kPa 500 3447 500 3447 350 | 306 1359 | |
| | | 0.191 4.9 | 80S | С | Working Pressure psi kPa 500 3447 500 3447 350 2413 225 1551 500 3447 350 2413 225 1551 500 3447 500 3447 500 3447 500 3447 500 3447 350 2413 225 1551 500 3447 350 2413 225 | 1082 4813 | |
| 1 ¹ /4 | 1.660 | 0.140 3.6 | 40S | Std/C | | 1082 4813 | |
| DN32 | 42.4 | 0.109 2.8 | 105 | RX | Working Pressure psi kPa 500 3447 500 3447 350 2413 225 1551 500 3447 350 2413 225 1551 500 3447 500 3447 500 3447 500 3447 350 2413 225 1551 500 3447 350 2413 225 1551 500 3447 350 2413 225 | 757 3369 | |
| | | 0.065 1.7 | 55 | RX | | 487 2166 | |
| | | 0.200 5.1 | 80S | C | | 1418 6306 | |
| 1 ¹ / ₂ | 1.900 | 0.145 3.7 | 405 | Std/C | | 1418 6306 | |
| DN40 | 48.3 | 0.109 2.8 | 105 | RX | | 992 4414 | |
| | | 0.065 1.7 | 55 | RX | Working Pressure psi kPa 500 3447 500 3447 350 2413 225 1551 500 3447 350 2413 225 1551 500 3447 500 3447 500 3447 500 3447 350 2413 225 1551 500 3447 350 2413 225 1551 500 3447 350 2413 | 638 2837 | |
| | | 0.218 5.5 | 80S | С | 500 | 2215 9853 | |
| 2 | 2.375 | 0.154 3.9 | 405 | Std/C | 500 | 2215 9853 | |
| DN50 | 60.3 | 0.109 2.8 | 105 | RX | 350 | 1550 6897 | |
| | | 0.065 1.7 | 55 | RX | 225 | 997 4433 | |

- 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

NOTES

- For pressure ratings on wall thickness not mentioned please contact Victaulic
- Working Pressure and End Load are total, from all internal and external loads, based on stainless steel pipe, roll grooved with Victaulic rolls in accordance with Victaulic specifications. "RX" rolls must be used for Schedules 5S, 10S and 10. Standard rolls should be used for Schedule 40S and Standard Weight pipe.
- Contact Victaulic for performance on other pipe.
- See <u>publication 24.01</u>: Pipe Preparation Tool Specifications for more information pertaining to tools.
- WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1½ times the figures shown. Metric thread size bolts are available for all coupling sizes upon request. Contact Victaulic for details.
- WARNING: Depressurize and drain the piping system before attempting to install, remove, or adjust any Victaulic piping products.



5.0 PERFORMANCE (CONTINUED)

Performance on ANSI wall thicknesses

| | Actual | | | | Maximum | |
|--------------------------------------|---------------------|--------------|-------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Nominal Size | Outside Diameter | | Wall kness | Roll Set Type | Working Pressure | End Load |
| inches DN | inches mm | inches mm | ANSI Schedule Number | | psi kPa | lb N |
| | | 0.276 7.0 | 80\$ | С | Working Pressure psi kPa 500 3447 500 3447 350 2413 232 1600 500 3447 350 2413 232 1600 500 3447 350 2413 232 1600 500 3447 350 2413 | 3246 14438 |
| 2 ¹ / ₂ | 2.875 | 0.203 5.2 | 405 | Std/C | | 3246 14438 |
| | 73.0 | 0.120 3.1 | 10S | RX | | 2272 10106 |
| | | 0.083 2.1 | 55 | RX | | 1506 6699 |
| | | 0.300 7.6 | 80S | С | | 4811 21398 |
| 3 | 3.500 | 0.216 5.5 | 40\$ | Std/C | | 4811 21398 |
| DN80 | 88.9 | 0.120 3.1 | 10S | RX | | 3367 14978 |
| | | 0.083 2.1 | 55 | RX | | 2232 9929 |
| | | 0.337 8.6 | 80\$ | С | | 5169 22994 |
| 4 | 4.500 | 0.237 6.0 | 405 | Std/C | | 5169 22994 |
| DN100 | 114.3 | 0.120 3.1 | 10S | RX | | 4771 21224 |
| | | 0.083 2.1 | 55 | RX | 232 1600 | 3690 16413 |

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5.1 PERFORMANCE

Performance on ISO wall thicknesses

| | Antural | Pipe Wall Thickness | | Maximum | | |
|-------------------------------|-------------------------------|------------------------|---------------------------------|---------------------|----------|--|
| Nominal Size | Actual Outside Diameter | | Roll Set Type | Working Pressure | End Load | |
| inches | inches | inches | | kPa | N | |
| DN | mm | mm | | psi | lb | |
| | | 0.177 | С | 3447 | 3021 | |
| | | 4.5 | C | 500 | 679 | |
| | | 0.126 | Std | 2930 | 3021 | |
| | | 3.2 | Sta | 425 | 679 | |
| | | 0.102 | DV | 2241 | 1963 | |
| 1 | 1.315 | 2.6 | 6 KX 325 91 2068 3 8X 300 | 441 | | |
| DN25 | 33.7 | 0.091 | RX | 2068 | 1812 | |
| | | 2.3 | | 300 | 407 | |
| | | 0.079 | RX | 1724 | 1510 | |
| | | 2.0 | KX | 250 | 340 | |
| | | 0.063 | DV | 1551 | 1359 | |
| | | 1.6 | RX | 225 | 306 | |
| | | 0.197 | С | 3447 | 4813 | |
| | | 5.0 | | 500 | 1082 | |
| | | 0.142 | C+4/C | 3447 | 4813 | |
| | | 3.6 | Std/C | 500 | 1082 | |
| | | 0.126 | Std | 2930 | 4091 | |
| 1 ¹ / ₄ | 1.660 | 3.2 | Sta | 425 | 920 | |
| DN32 | 42.4 | 0.102 | RX | 2241 | 3129 | |
| | | 2.6 | nx. | 325 | 703 | |
| | | 0.079 | DV | 1724 | 2407 | |
| | | 2.0 | RX | 250 | 541 | |
| | | 0.063 | DV | 1551 | 2166 | |
| | | 1.6 | RX | 225 | 487 | |

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• WARNING: Depressurize and drain the piping system before attempting to install, remove, or adjust any Victaulic piping products.



5.1 PERFORMANCE (CONTINUED)

Performance on ISO wall thicknesses

| | Actual | | | Maxi | mum |
|---------------------------------------|---------------------|------------------------|---------------|---------------------|--------------|
| Nominal Size | Outside Diameter | Pipe Wall Thickness | Roll Set Type | Working Pressure | End Load |
| inches DN | inches mm | inches mm | | kPa psi | N lb |
| | 11111 | 0.197 5.0 | С | 3447 500 | 6306 1418 |
| | | 0.142 3.6 | Std/C | 3275 475 | 5991 1347 |
| 11/ | 1 000 | 0.126 | Std | 2758 | 5045 |
| 1 ¹ / ₂ DN40 | 1.900 48.3 | 3.2 0.102 | RX | 400 2241 | 1134 4099 |
| | | 2.6 0.079 | RX | 325 1724 | 921 3153 |
| | | 2.0 0.063 | RX | 250 1551 | 709 2837 |
| | | 1.6 0.220 | C | 225 3447 | 368 9853 |
| | 2.375 60.3 | 5.6 0.157 | | 500 3447 | 2215 9853 |
| | | 4.0 0.142 | Std/C | 500 3103 | 2215 8868 |
| | | 3.6 | Std | 450 | 1994 |
| | | 0.126 3.2 | Std | 2758 400 | 7882 1772 |
| 2 DN50 | | 0.114 2.9 | Std | 2413 350 | 6897 1551 |
| | | 0.102 2.6 | RX | 2241 325 | 6404 1440 |
| | | 0.091 2.3 | RX | 2068 300 | 5912 1329 |
| | | 0.079 2.0 | RX | 1724 250 | 4927 1108 |
| | | 0.063 1.6 | RX | 1551 225 | 4433 997 |

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5.1 PERFORMANCE (CONTINUED)

Performance on ISO wall thicknesses

| | | Pipe Wall Thickness | Roll Set Type | Maximum | | |
|-----------------|-------------------------------|------------------------|---------------|---------------------|---------------|--|
| Nominal Size | Actual Outside Diameter | | | Working Pressure | End Load | |
| inches | inches | inches | | kPa | N | |
| DN | mm | mm | | psi | lb | |
| | | 0.280 | С | 3447 | 15721 | |
| | | 7.1 | - | 500 | 3534 | |
| | | 0.252 | С | 3447 | 15741 | |
| | | 6.4 | | 500 | 3534 | |
| | | 0.197 5.0 | Std/C | 2930 425 | 13363 3004 | |
| | | | | 2758 | | |
| | | 0.157 4.0 | Std | 400 | 12577 2827 | |
| | | 0.142 | | 2586 | 11791 | |
| | | 3.6 | Std | 375 | 2651 | |
| | 3.000 | 0.122 | | 2413 | 11004 | |
| DN65 | 76.1 | 3.1 | Std | 350 | 2474 | |
| DINOS | 70.1 | 0.114 | | 2241 | 10219 | |
| | | 2.9 | RX | 325 | 2297 | |
| | | 0.102 | RX | 2068 | 9433 | |
| | | 2.6 | | 300 | 2121 | |
| | | 0.001 | 1724 | 7861 | | |
| | | 2.3 | RX | 250 | 1767 | |
| | | 0.083 | RX | 1600 | 7295 | |
| | | 2.1 | | 232 | 1640 | |
| | | 0.079 | RX | 1600 | 7295 | |
| | | 2.0 | RX. | 232 | 1640 | |
| | | 0.315 | С | 3447 | 21398 | |
| | | 8.0 | | 500 | 4811 | |
| | | 0.220 | Std/C | 3447 | 21398 | |
| | | 5.6 | Sta/C | 500 | 4811 | |
| | | 0.157 | Std | 2758 | 17119 | |
| | | 4.0 | J.G | 400 | 3848 | |
| | | 0.142 | Std | 2586 | 16049 | |
| | | 3.6 | J.G | 375 | 3608 | |
| 3 | 3.500 | 0.126 | Std | 2413 | 14979 | |
| DN80 | 88.9 | 3.2 | | 350 | 3367 | |
| | | 0.114 | RX | 2241 | 13909 | |
| | | 2.9 | | 325 | 3127 | |
| | | 0.102 | RX | 2068 | 12839 | |
| | | 2.6 | | 300 | 2886 | |
| | | 0.091 | RX | 1724 250 | 10699 | |
| | | 2.3 0.079 | | 1600 | 2405 9929 | |
| | | 0.079 2.0 | RX | 232 | 2232 | |

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- C = Cut groove

NOTES

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- Working Pressure and End Load are total, from all internal and external loads, based on stainless steel pipe, roll grooved with Victaulic rolls in accordance with Victaulic specifications. "RX" rolls must be used for Schedules 5S, 10S and 10. Standard rolls should be used for Schedule 40S and Standard Weight pipe.
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5.1 PERFORMANCE (CONTINUED)

Performance on ISO wall thicknesses

| | Actual Outside Diameter | | | Max | mum |
|------------------|-------------------------------|------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Nominal Size | | Pipe Wall Thickness | Roll Set Type | Working Pressure | End Load |
| inches | inches | inches | | kPa | N .: |
| DN | mm | mm | | · · · · · · · · · · · · · · · · · · · | lb |
| | | 0.346 | С | | 35373 |
| | | 8.8 | _ | | 7952 |
| | | 0.248 | C | | 35373 |
| | | 6.3 | | | 7952 |
| | | 0.177 | Std | | 24761 |
| | | 4.5 | | | 5567 |
| | 4.500 | 0.142 | RPa psi C | 24761 | |
| DN100 | 114.3 | 3.6 | | | 5567 |
| | | 0.114 | RX | Working Pressure kPa psi 3447 500 3447 500 2413 350 2413 350 2068 300 1896 275 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 | 21224 |
| DN 4 DN100 DN125 | | 2.9 | | | 4771 |
| | | 0.102 | RX | | 19455 |
| | | 2.6 | | | 4374 |
| | | 0.079 | RX | | 16413 |
| | | 2.0 | | | 3690 |
| | | 0.394 | | | 24518 |
| | | 10.0 | | | 5512 |
| | | 0.280 | | | 24518 |
| | | 7.1 | | | 5512 |
| | | 0.260 | Std | | 24518 |
| | | 6.6 | | | 5512 |
| | | 0.260 | С | | 24518 |
| | | 6.6 | | | 5512 |
| | | 0.248 | Std/C | | 24518 |
| | | 6.3 | 510, 5 | | 5512 |
| 51465 | 5.500 | 0.220 | Std/C | kPa psi 3447 500 3447 500 3447 500 3447 500 2413 350 2688 300 1896 275 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1207 175 1034 150 862 125 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 200 200 200 200 200 200 200 200 200 | 24518 |
| DN125 | 139.7 | 5.6 | | | 5512 |
| | | 0.197 | Std | | 24518 |
| | | 5.0 | | | 5512 |
| | | 0.157 | Std | 500 3447 500 2413 350 2413 350 2068 300 1896 275 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1500 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1600 232 1207 | 24518 |
| | | 4.0 | | | 5512 |
| | | 0.134 | RX | | 18494 |
| | | 3.4 | | | 4158 |
| | | 0.126 | RX | | 15852 |
| | | 3.2 | | | 3564 |
| | | 0.110 | RX | | 13113 2970 |
| | | 2.8 | | | + |
| | | 0.432 11.0 | С | | 10538 2369 |
| | | | | | |
| | | 0.280 | Std | | 10538 2369 |
| | 6 500 | 7.1 | | | |
| | 6.500 165.1 | 0.197 5.0 | RX | | 10538 2369 |
| | 105.1 | 0.134 | | | |
| | | 3.4 | Std | | 1787 7949 |
| | | | | | 1787 |
| | | 0.109 2.8 | RX | 1207 | 7949 |

- 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

NOTES

- For pressure ratings on wall thickness not mentioned please contact Victaulic
- Working Pressure and End Load are total, from all internal and external loads, based on stainless steel pipe, roll grooved with Victaulic rolls in accordance with
 Victaulic specifications. "RX" rolls must be used for Schedules 5S, 10S and 10. Standard rolls should be used for Schedule 40S and Standard Weight pipe.
- Contact Victaulic for performance on other pipe.
- See <u>publication 24.01</u>: Pipe Preparation Tool Specifications for more information pertaining to tools.
- WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1½ times the figures shown. Metric thread size bolts are available for all coupling sizes upon request. Contact Victaulic for details.
- WARNING: Depressurize and drain the piping system before attempting to install, remove, or adjust any Victaulic piping products.

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6.0 **NOTIFICATIONS**

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.















- 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.

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

05.01: Victaulic Gasket Selection Guide

17.01: Victaulic® Stainless Steel Pipe End Preparation

17.09: Victaulic® Ductile Iron Grooved Couplings Performance Data for Stainless Steel Pipe

24.01: Victaulic® Pipe Preparation Tool Specifications

26.01: Victaulic Design Data

29.01: Victaulic Terms and Conditions of Sale

I-100: Victaulic 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, 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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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.

Reference should always be made to the I-100 Victaulic Field Installation Handbook or the 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

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

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