

QuickVic® Rigid Coupling for Copper

STYLE 607

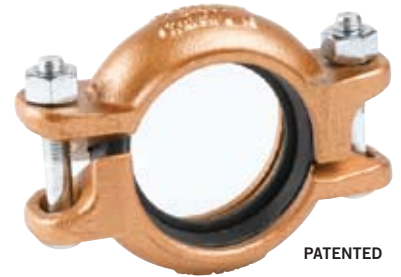


SEE VICTAULIC PUBLICATION 10.01 FOR DETAILS

The patented Style 607 rigid coupling joins 2 – 4”/50 – 100mm rolled grooved, hard-drawn copper tubing (CTS). The joint is assembled without disassembling the bolts, nuts, gasket and housings. The Style 607 coupling requires lubrication to be applied to the sealing lips of the gasket before sliding the coupling on pipe grooved to Victaulic specifications. Refer to Victaulic Installation Instructions I-607 for required steps.

The Style 607 provides rigidity with its angle bolt pad design and accommodates up to 300psi/2065 kPa depending on the wall thickness of the copper tubing. The Style 607 is rigid and does not accommodate expansion, contraction or angular deflection. Support and hanging requirements correspond to NFPA 13 Sprinkler Systems and ASME B31.9.

Victaulic Vic-Easy® roll grooving tools VE272SFS, VE270FSD, VE268, VE416FSD, and VE414MC can be used to roll groove Types K, L, M and DWV copper tubing from 2 – 8”/54.0 – 206.4 mm. The Vic-Easy VE226C can be used for 2 – 6”/54.0 – 155.6 mm copper tubing. The VE26C allows in-place manual grooving of 2 – 6”/54.0 – 155.6 mm copper tubing. Tools must be equipped only with Victaulic rolls designed specifically for grooving copper tube (color coded copper).



⚠ CAUTION

- **DO NOT use rolls intended for steel. stainless steel. aluminum or PVC pipe.**

The Victaulic copper connection system is available in Australian Standard (Request 22.10). British Standard (Request 22.08) and DIN Standard (Request 22.09).

MATERIAL SPECIFICATIONS

Housing: Ductile iron conforming to ASTM A-536, grade 65-45-12. Ductile iron conforming to ASTM A-395, grade 65-45-15, is available upon special request.

Housing Coating: Copper colored alkyd enamel.

Optional Coatings:

- Hot dipped galvanized

Gasket:

- **Grade “EHP”**

EHP (Red and copper stripe color code) Temperature range –30°F to +250°F/–34°C to +121°C. Recommended for 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 +86°F/+30°C and hot +180°F/+82°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.

* 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 Gasket Selection Guide for specific gasket service recommendations and for a listing of services which are not recommended.

Bolts/Nuts: Heat-treated plated carbon steel, trackhead meeting the physical and chemical requirements of ASTM A-449 and physical requirements of ASTM A-183.

JOB/OWNER	CONTRACTOR	ENGINEER
System No. _____	Submitted By _____	Spec Sect _____ Para _____
Location _____	Date _____	Approved _____
		Date _____

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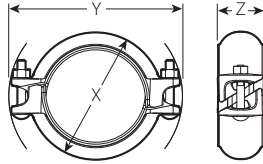
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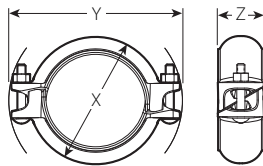
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DIMENSIONS



STYLE 607 PRE-ASSEMBLED
(INSTALLATION-READY CONDITION)



STYLE 607 JOINT ASSEMBLED

TUBING Nominal Inches Actual mm	Allow. Pipe End Sep. † Inches mm	@ Bolt/Nut No. – Size Inches mm	Dimensions – Inches/mm					Aprx. Wgt. Ea. Lbs. kg
			Pre-assembled (Installation-ready condition)		Joint Assembled			
			X	Y	X	Y	Z	
2 54.0	0.16 4	2 – 3/8 x 2 1/2	3.63 92	5.50 138	3.38 86	5.50 138	2.00 51	1.9 0.9
2 1/2 66.7	0.16 4	2 – 3/8 x 2 1/2	4.19 106	6.00 152	3.94 100	6.00 152	2.00 51	2.2 1.0
3 79.4	0.16 4	2 – 1/2 x 3	4.75 121	7.00 178	4.50 114	7.00 178	2.00 51	3.0 1.4
4 104.8	0.16 4	2 – 1/2 x 3	5.63 143	8.00 203	5.38 137	8.00 203	2.00 51	3.6 1.6

† The allowable pipe separation dimension shown is for system layout purposes only. Style 607 QuickVic rigid couplings for copper are considered rigid connections and will not accommodate expansion or contraction of the piping system.

@ Number of bolts required equals number of housing segments.

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

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PERFORMANCE

TUBING	Type "K" ASTM B-88			Type "L" ASTM B-88			Type "M" ASTM B-88			DWV ASTM B-306		
	Nominal Inches Actual mm	Wall Thick. Inch. mm	Max. * Joint Work. Press. psi/kPa	Max. Permis. End Load Lbs./N	Wall Thick. Inch. mm	Max. * Joint Work. Press. psi/kPa	Max. * Permis. End Load Lbs./N	Wall Thick. Inch. mm	Max. * Joint Work. Press. psi/kPa	Max. * Permis. End Load Lbs./N	Wall Thick. Inch. mm	Max. * Joint Work. Press. psi/kPa
2 54.0	0.083 2.1	300 2065	1.065 4740	0.070 1.8	300 2065	1.065 4740	0.058 1.5	250 1725	890 3960	0.042 1.1	100 690	355 1580
2½ 66.7	0.095 2.4	300 2065	1.625 7230	0.080 2.0	300 2065	1.625 7230	0.065 1.7	250 1725	1.350 6010	—	—	—
3 79.4	0.109 2.8	300 2065	2.300 10235	0.090 2.3	300 2065	2.300 10235	0.072 1.8	250 1725	1.415 6300	0.045 1.1	100 690	765 3405
4 104.8	0.134 3.4	300 2065	4.005 17825	0.110 2.8	300 2065	4.005 17825	0.095 2.4	250 1725	3.340 14865	0.058 1.5	100 690	1.335 5940

* Working Pressure and End Load are total, from all internal and external loads, based on hard drawn copper tubing of the weight indicated, roll grooved in accordance with Victaulic specifications. Contact Victaulic for performance on other pipe.
 WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1 ½ times the figures shown.

LISTINGS

UL Listed for wet and dry Fire Protection services to 175psi/1200kPa on ASTM B-88 Hard Drawn type K, L and M copper tube.

UPC Listed for plumbing systems on ASTM B-88 Hard Drawn type K, L and M copper tube.

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GENERAL NOTES

When assembling Style 607 QuickVic rigid couplings onto end caps, take additional care to make certain the end cap is fully seated against the gasket end stop. For Style 607 QuickVic rigid couplings, use Victaulic No. 660 end caps containing the “QV” markings on the inside face. Non-Victaulic fittings shall not be used with Style 607 QuickVic rigid couplings.

INSTALLATION

Reference should be made to the I-600 Victaulic Field Installation Handbook or the I-607 Installation Instructions for complete assembly information. Installation Instructions are included with each shipment 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.

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.



For complete contact information, visit www.victaulic.com

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