

Dielectric Transition Fittings

SERIES 647

Victaulic Style 647 IPS to CTS dielectric transition fittings are typically used to join carbon steel or stainless steel pipe to copper tubing with one fitting. The fittings provide a set distance between the metals being joined while maintaining a minimal electric potential between the fitting and surrounding piping.

Available in sizes from 1/2 – 4”/12 – 100 mm. The Style 647 is available in a thread x thread (TT), groove x thread (GT), and groove x groove (GG) design.



MATERIAL SPECIFICATIONS

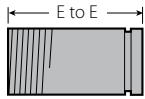
The Style 647 dielectric transition fittings are a copper silicon casting conforming to UNS C87850 and are UL classified in accordance with ANSI/NSF-61 and NSF 372 for ambient +86°F/+30°C and hot +180°F/+82°C potable water service.

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

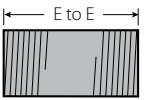
Dielectric Transition Fittings

SERIES 647

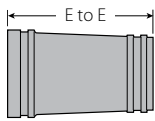
DIMENSIONS



Style 647-GT
Grooved X Threaded



Style 647-TT
Threaded X Threaded



Style 647-GG
Grooved X Grooved

Pipe Size		Max. Work. Press. PSI/kPa	End to End Inches/mm	Units Per Box	Aprx. Wgt. Each Lbs./kg
Nominal Dia. Inches/mm	Actual Out. Dia. Inches/mm				
Grooved X Threaded					
1 25	1.315 33.7	300 2065	4.10 104	25	0.7 0.3
1¼ 32	1.660 42.4	300 2065	4.10 104	10	1.0 0.4
1½ 40	1.900 48.3	300 2065	4.10 104	10	1.1 0.5
2 50	2.375 60.3	300 2065	4.10 104	10	1.5 0.7
2½ 65	2.875 73.0	300 2065	6.10 155	6	3.3 1.5
3 80	3.500 88.9	300 2065	6.10 155	6	4.3 2.0
4 100	4.500 114.3	300 2065	6.10 155	6	6.2 2.8

Pipe Size		Max. Work. Press. PSI/kPa	End to End Inches/mm	Units Per Box	Aprx. Wgt. Each Lbs./kg
Nominal Dia. Inches/mm	Actual Out. Dia. Inches/mm				
Threaded X Threaded					
½ 15	0.840 21.3	300 2065	3.00 76	25	0.2 0.1
¾ 20	1.050 26.7	300 2065	3.00 76	25	0.3 0.1
1 25	1.315 33.7	300 2065	4.00 102	25	0.6 0.3
1¼ 32	1.660 42.4	300 2065	4.00 102	10	0.8 0.4
1½ 40	1.900 48.3	300 2065	4.00 102	10	0.9 0.4
2 50	2.375 60.3	300 2065	4.00 102	10	1.2 0.5
2½ 65	2.875 73.0	300 2065	6.00 152	6	2.9 1.3
3 80	3.500 88.9	300 2065	6.00 152	6	3.7 1.1
4 100	4.500 114.3	300 2065	6.00 152	6	5.3 2.4

Grooved X Grooved

Pipe Size Inches/mm		Max. Work. Press. PSI/kPa	End to End Inches/mm	Units Per Box	Aprx. Wgt. Each Lbs./kg
Nominal Diameter	Actual Outside Diameter				
	Steel (IPS)	Copper (CTS)			
2 50	2.375 60.3	2.125 54.0	300 2065	4.19 106	10 1.3 0.6
2½ 65	2.875 73.0	2.625 66.7	300 2065	6.19 157	6 3.0 1.4
3 80	3.500 88.9	3.125 79.4	300 2065	6.19 157	6 3.9 1.8
4 100	4.500 114.3	4.125 104.8	300 2065	6.19 157	6 5.6 2.6

Dielectric Transition Fittings

SERIES 647

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.

WARNING



 WARNING	
	<ul style="list-style-type: none"> • This product must be installed by an experienced, trained installer, in accordance with the instructions provided with instructions provided. These instructions contain important information. <p>Failure to follow these instructions may result in serious personal injury, property damage, or valve leakage.</p> <p>If you need additional copies of this product literature or the valve installation instructions, or if you have any questions about the safe installation and use of this device, contact Victaulic Company, P.O. Box 31, Easton, PA 18044-0031 USA, Telephone: 001-610-559-3300.</p>

For complete contact information, visit www.victaulic.com

22.21 7404 REV C UPDATED 08/2013

VICTAULIC IS A REGISTERED TRADEMARK OF VICTAULIC COMPANY. © 2013 VICTAULIC COMPANY. ALL RIGHTS RESERVED.

