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Buildings - Industry - Marine – Waterworks
END OF AG. PANTELEIMONOS Str. (ELEONAS)
GR-12241 EGALEO,
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www.hydrofire.gr, email: info@hydrofire.gr



Victaulic FireLock™ Innovative Groove System | IGS™ for 1"/DN25 Sprinkler Pipe



10.54



 No. 142 Welded Outlet	 Style 922 Outlet-T	 Style 920N Mechanical-T Outlet	 No. 101 Installation-Ready™ 90° Elbow	 No. 102 Installation-Ready™ Tee	 Style 108 Installation-Ready™ Rigid Coupling	 Style 115 OGS x IGS Reducing Coupling
 Style 118 1' Outlet Coupling	 No. 65 OGS x IGS Grooved End of Run Fitting	 No. 111 IGS Grooved End Elbow	 No. 113 OGS x IGS x IGS Reduce on the Run and Outlet Tee	 No. 114 IGS x IGS x IGS Grooved Tee	 No. 117 IGS 45° Elbow	 No. 143 Close Nipple
 No. 144 OGS x IGS Grooved Concentric Reducer	 No. 145 Female NPT or BSPT Threaded x Groove 90° Elbow	 No. 147 Back-To-Back sprinkler tee	 No. 148 Sprinkler Reducer, NPT or BSPT sprinkler outlet	 No. 140 Male NPT or BSPT Threaded x Groove Adapter	 No. 141 Female NPT or BSPT Threaded x Groove Adapter	 No. 116 CPVC Female Socket x Brass IGS Groove Adapter (Refer to publication 10.85 and 10.95)
 No. 146 Cap	 WB-1 IGS Weld Plunger Cone	 NAP-1 IGS Weld Plunger Cone	 RG2100 Roll Grooving Tool	 RG1 Manual Roll Grooving Tool (Refer to publication 24.01)	 VicFlex™ Series AH2-CC Braided Flexible Hose with Captured Coupling (Refer to publication 10.85)	 VicFlex™ Series AH1-CC Braided Flexible Hose with Captured Coupling (Refer to publication 10.95)

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



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1.0 PRODUCT DESCRIPTION

Pipe Material

- Carbon steel, Sch. 40, Sch. 10, light-wall/specialty pipe. For use with alternative materials please contact Victaulic.
- For exceptions reference section 6.0 Notifications

Maximum Working Pressure

- Up to 365 psi/2517 kPa/25 bar

Pipe Preparation

- Cut (Sch. 40) or roll (Sch. 40, Sch. 10, light-wall) grooved in accordance with publication 25.14: Victaulic *IGS* Groove Specifications

RG2100 Grooving Capability

- 1"/DN25
- Workstation designed to cut, ream and form a roll groove on carbon steel, Sch 40, Sch 10, and light-wall pipe
- This tool has a minimum pipe length requirement of 4 ½"/114 mm

2.0 CERTIFICATION/LISTINGS



Cert/LPCB Ref. 104-1a/39, 104-1a/41, 104-1a/42, 104-1b/03, 104-1b/04, 104-1b/05, 104-1b/06, 104-1b/07, 104-1b/08, 104-1b/09, 104-1b/10, 104-1b/11

NOTES

- Approvals listed above do not apply to the RG2100 Roll Grooving Tool.

3.0 SPECIFICATIONS – MATERIAL

Housing: Ductile iron conforming to ASTM A536, Grade 65-45-12

Housing Coating: (specify choice)

- Orange coating.
- Red coating (standard for EMEA-I and Asia Pacific).
- Optional: Hot dipped galvanized.

Gasket:

- Grade “E” EPDM (Type A) Vic-Plus™ Pre-lubricated Gasket**

EPDM (Violet Color Code). Applicable for wet and dry (oil-free air) fire protection systems only. Listed/Approved for continuous use in wet and dry systems. Listed/Approved for dry systems at -40°F/-40°C and above. NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES OR STEAM SERVICES.

NOTES:

- Reference should always be made to [publication I-100](#), Victaulic Field Installation Handbook for gasket lubrication instructions.
- 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 [publication 05.01](#), Victaulic Gasket Selection Guide for specific gasket service guidelines and for a listing of services which are not compatible.

Bolts/Nuts:

- 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/Zn 5, finish Type III (imperial) or Type II (metric).



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3.0 SPECIFICATIONS – MATERIAL (CONTINUED)

Coupling Linkage: High Strength Steel with comparable physical properties to that of the Track Bolt (ASTM A449).
Linkage is zinc electroplated per ASTM B633 Fe/Zn 5, Type III Finish

No. 140, 141, 142, 143, 144, 148: Carbon steel meeting the chemical and mechanical property requirements of ASTM A53 Grade A, Type E or S

No. 65, 111, 113, 114, 117, 145, 146, 147: Ductile iron conforming to ASTM A536, Grade 65-45-12

No. WB-1: Steel Alloy

No. NAP-1: Aluminum Alloy

RG2100 Roll Grooving Tool:

Required Power Supply: Power Drive with Foot Switch (½ HP, Universal reversible motor, single-phase, 25-60 HZ)

Accessories/Components:

- Tool head assembly
- Carriage assembly - accepts RG2100 tool head assembly, Standard Cutter, Standard Reamer and Standard Lever



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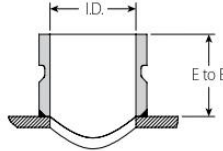
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4.0 DIMENSIONS

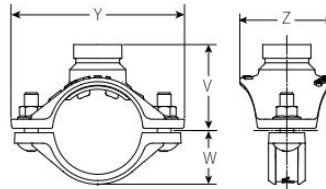
No. 142 Welded Outlet



Nominal inches DN Run x Branch	Actual Outside Diameter inches mm Run x Branch	Inside Diameter		Weight Approximate (Each) lb kg
		I.D. inches mm	E to E inches mm	
1 ¼ – 1 ½ DN32 – DN40	1.660 – 1.900 42.4 – 48.3	1.049 26.6	1.00 25.4	0.2 0.1
1 ½ – 2 DN40 – DN50	1.900 – 2.375 48.3 – 60.3	1.049 26.6	1.00 25.4	0.2 0.1
2 – 2 ½ DN50 – DN65	2.375 – 3.000 60.3 – 76.1	1.049 26.6	1.00 25.4	0.2 0.1
2 ½ – 3 DN65 – DN80	2.875 – 3.500 73.0 – 88.9	1.049 26.6	1.00 25.4	0.2 0.1
3 – 4 DN80 – DN100	3.500 – 4.500 88.9 – 114.3	1.049 26.6	1.00 25.4	0.2 0.1

4.1 DIMENSIONS

Style 922 Outlet-T



Size		Bolt/Nut		Dimensions						Weight
Nominal inches DN Run x Branch	Actual Outside Diameter inches mm Run x Branch	Qty.	Size inches mm	Minimum Hole Diameter/Hole Saw Size inches mm	Maximum Hole Diameter/ Hole Saw Size inches mm	Y inches mm	V inches mm	W inches mm	Z inches mm	Approximate (Each) lb kg
1 ½ DN40	1.900 48.3	2	¾ x 1 ¾	1 ¾ 30.0	1 ¼ 32.0	4.25 108.0	2.11 53.6	1.22 31.0	2.70 68.7	1.2 0.5
2 DN50	2.375 60.3	2	¾ x 1 ¾	1 ¾ 30.0	1 ¼ 32.0	4.75 120.6	2.34 59.4	1.46 37.1	2.56 65.1	1.2 0.5
2 ½ DN65	2.875 73.0	2	¾ x 1 ¾	1 ¾ 30.0	1 ¼ 32.0	5.50 139.7	2.67 67.8	1.71 43.4	2.56 65.1	1.6 0.7
	3.000 76.1	2	¾ x 1 ¾	1 ¾ 30.0	1 ¼ 32.0	5.52 140.3	2.75 69.8	1.71 43.4	2.56 65.1	1.7 0.8



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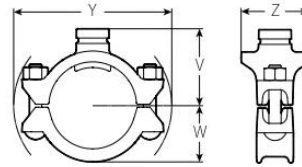
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4.2 DIMENSIONS

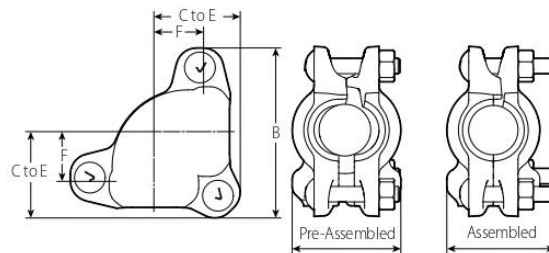
Style 920N Mechanical-T Outlet



Size				Bolt/Nut		Dimensions					Weight
Nominal inches DN	Actual Outside Diameter inches mm	Qty.	Size inches mm	Minimum Hole Diameter/Hole Saw Size inches mm	Maximum Hole Diameter/Hole Saw Size inches mm	Y inches mm	V inches mm	W inches mm	Z inches mm	Approximate (Each)	
											Run x Branch
3 DN80	88.9	2	1/2 x 2 3/4	1 1/2	1 5/8	6.42	3.12	2.28	2.75	2.7	
1 DN25	1.315	2	1/2 x 2 3/4	1 1/2	1 5/8	163.0	79.2	57.9	69.9	1.2	
4 DN100	114.3									3.0	
						7.35	91.9	68.3	69.10	1.4	

4.3 DIMENSIONS

No. 101 Installation-Ready 90° Elbow



Size		Bolt/Nut		Dimensions					Weight
Nominal inches DN	Actual Outside Diameter inches mm	Qty.	Size inches mm	F Take Out inches mm	C to E inches mm	B inches mm	Pre-Assembled inches mm	Assembled inches mm	Approximate (Each)
1 DN25	1.315	3	3/8 x 2	1.25	2.13	4.25	2.75	2.75	2.2
	33.7		M10 x 50	32	54	108	70	70	1.0

NOTES

- Not for use with grooved sprinklers, for grooved sprinkler connections please refer to [publication 10.65](#) for the Style V9 sprinkler coupling.
- Contact Victaulic for torsional resistance information.



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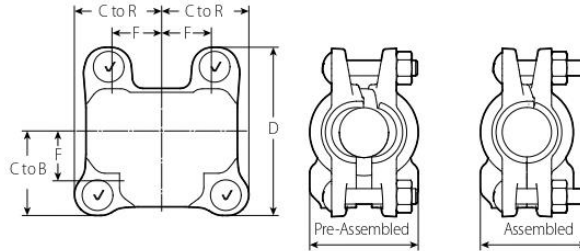
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4.4 DIMENSIONS

No. 102 Installation-Ready Tee



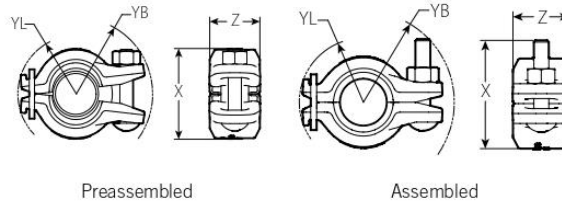
Size		Bolt/Nut		Dimensions						Weight	
Nominal inches DN	Actual Outside Diameter inches mm	Qty.	Size inches mm	F Take Out inches mm	C to B inches mm	C to R inches mm	D inches mm	Pre-Assembled inches mm	Assembled inches mm	Approximate (Each) lb kg	
1 DN25	1.315 33.7	4	$\frac{3}{8}$ x 2 M10 x 50	1.25 32	2.13 54	2.13 54	4.13 105	2.75 70	2.75 70	3.0 1.4	

NOTES

- Not for use with grooved sprinklers, for grooved sprinkler connections please refer to [publication 10.65](#) for the Style V9 sprinkler coupling.
- Contact Victaulic for torsional resistance information.

4.5 DIMENSIONS

Style 108 Installation-Ready Rigid Coupling



Size		Pipe End Separation ¹	Bolt/Nut		Dimensions								Weight
Nominal inches DN	Actual Outside Diameter inches mm	Allowable inches mm	Qty.	Size inches mm	Pre-Assembled				Assembled				Approx (Each) lb kg
					YL inches mm	YB inches mm	X inches mm	Z inches mm	YL inches mm	YB inches mm	X inches mm	Z inches mm	
1 DN25	1.315 33.7	0.14 3.6	1	$\frac{3}{8}$ x 2 M10 x 50	1.66 42.2	2.17 55.2	2.58 65.5	1.43 36.3	1.61 41.0	2.29 58.2	2.27 57.5	1.43 36.3	1.5 0.7

¹ The allowable pipe end separation dimension shown is for system layout purposes only. FireLock™ Style 108 rigid couplings are considered rigid connections and will not accommodate expansion or contraction of the piping system.

NOTES

- Not for use with grooved sprinklers, for grooved sprinkler connections please refer to [publication 10.65](#) for the Style V9 sprinkler coupling.
- Contact Victaulic for torsional resistance information.



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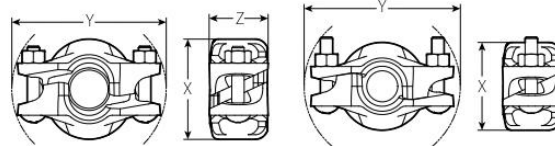
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4.6 DIMENSIONS

Style 115 OGS x IGS Reducing Coupling



Pre-Assembled

Assembled

Size				Pipe End Separation ²	Bolt/Nut	Dimensions						Weight Approximate (Each) lb kg			
Nominal inches DN	X	Actual Outside Diameter				Qty.	Size inches mm	Pre-Assembled			Assembled				
		inches	mm	X inches mm	Y inches mm			Z inches mm	X inches mm	Y inches mm	Z inches mm				
1 ¼ DN32	X	1 DN25	1.660	X	1.315	0.14	2	¾ x 2 M10 x 50	3.13	4.75	1.75	2.63	4.75	1.75	1.9
			42.4			3.6			79	121	44	67	121	44	0.9
1 ½ DN40	X	1 DN25	1.900	X	33.7	0.14	2	¾ x 2 M10 x 50	3.25	4.88	1.75	2.88	4.88	1.75	2.1
			48.3			3.6			83	124	44	73	124	44	0.9

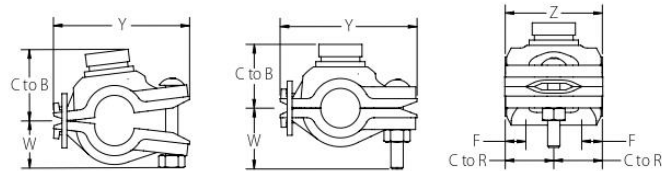
² The allowable pipe end separation dimension shown is for system layout purposes only. FireLock™ Style 115 rigid couplings are considered rigid connections and will not accommodate expansion or contraction of the piping system.

NOTES

- Not for use with grooved sprinklers, for grooved sprinkler connections please refer to [publication 10.65](#) for the Style V9 sprinkler coupling.
- Contact Victaulic for torsional resistance information.

4.7 DIMENSIONS

Style 118 1" Outlet Coupling



Pre Assembled

Assembled

Size					Dimensions									Weight		
Nominal					F Take Out	Z	C to R	Pre Assembled			Assembled			Approx. (Each)		
inches	DN	X	Y	1				C to B	W	Y	C to B	W	Y		Lbs. kg	
1	DN25	X	1	X	1	DN25	0.75	3.00	1.50	2.25	1.50	4.25	2.00	1.88	4.25	2.4
							19	76	38	57	38	108	51	48	108	1.1



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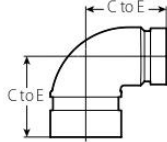
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4.8 DIMENSIONS

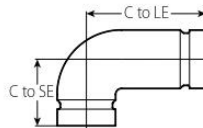
No. 65 OGS x IGS Grooved End of Run Fitting



Size		Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm	C to E inches mm	Approximate (Each) lb kg	
1 ¼ DN32	1.660 42.4	1.88 48	0.7 0.3	
1 ½ DN40	1.900 48.3	2.00 51	0.8 0.4	
2 DN50	2.375 60.3	2.25 57	1.2 0.5	
2 ½ DN50 x 1 DN25	2.875 x 1.315 73.0 x 33.7	2.50 64	1.6 0.7	
DN65	3.000 76.1	2.50 64	1.7 0.8	
3 DN80	3.500 88.9	2.75 70	2.6 1.2	

4.9 DIMENSIONS

No. 111 IGS Grooved End Elbow



Size		Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm	C to LE inches mm	C to SE inches mm	Approximate (Each) lb kg
1 DN25	1.315 33.7	2.70 69	1.50 38	0.6 0.3



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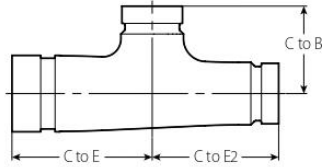
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4.10 DIMENSIONS

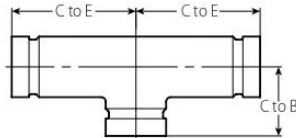
No. 113 OGS x IGS x IGS Reduce on the Run and Outlet Tee



Size				Dimensions			Weight
Nominal inches			DN	C to E inches	C to E2 inches	C to B inches	Approx. (Each) Lbs. kg
1 ¼	x	1	x 1	3.05	2.75	1.90	1.3
DN32		DN25		77	70	48	0.6
1 ½	x	1	x 1	3.05	2.75	2.03	1.3
DN40		DN25		77	70	52	0.6

4.11 DIMENSIONS

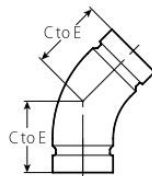
No. 114 IGS x IGS x IGS Grooved Tee



Size		Dimensions		Weight
Nominal inches	Actual Outside Diameter inches	C to E inches	C to B inches	Approx. (Each) lb kg
1	1.315	2.70	1.50	0.92
DN25	33.7	69	38	0.4

4.12 DIMENSIONS

No. 117 IGS 45° Elbow



Size		Dimensions	Weight
Nominal inches	Actual Outside Diameter inches	C to E inches	Approx. (Each) lb kg
1	1.315	1.55	0.45
DN25	33.7	39	0.2



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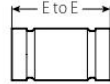
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4.13 DIMENSIONS

No. 143 Close Nipple

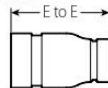


Size		Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm	E to E inches mm	Approximate (Each) lb kg	
1 DN25	1.315 33.7	1.5 ³	0.2	
		38	0.1	
		2	0.3	
		51	0.1	
		2.5	0.4	
		64	0.2	
		3	0.4	
		76	0.2	
		3.5	0.5	
		89	0.2	
4	0.6			
102	0.3			
4.5	0.6			
114	0.3			
5	0.7			
127	0.3			

³ Bolt pad interferences may occur in some installation configurations.

4.14 DIMENSIONS

No. 144 OGS x IGS Grooved Concentric Reducer



Size		Dimensions		Weight
Nominal inches DN	Actual Outside Diameter inches mm	E to E inches mm	Approximate (Each) lb kg	
1 ¼ DN32	1.660 42.4	3.00 76	0.5	
1 ½ DN40	1.900 48.3		0.2	
1 ½ DN25	1.315 33.7	3.00 76	0.6	
1 ¼ DN32	1.660 42.4		0.2	



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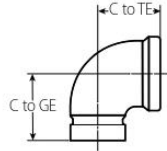
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4.15 DIMENSIONS

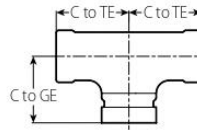
No. 145 Female Threaded x Groove 90° Elbow



Size				Dimensions		Weight
Nominal inches DN		Actual Outside Diameter inches mm		C-TE inches mm	C-GE inches mm	Approximate (Each) lb kg
Threaded Outlet	Grooved Outlet	Threaded Outlet	Grooved Outlet			
1/2 DN15	x 1 DN25	0.840 21.3	x 1.315 33.7	1.45 36.8	1.60 40.6	0.5 0.2
3/4 DN20		1.050 26.9		1.45 36.8	1.60 40.6	0.5 0.2
1 DN25		1.315 33.7		1.50 38.1	1.60 40.6	0.5 0.2

4.16 DIMENSIONS

No. 147 Back-To-Back Sprinkler Tee



Size						Dimensions		Weight
Nominal inches DN			Actual Outside Diameter inches mm			C-TE inches mm	C-GE inches mm	Approximate (Each) lb kg
Threaded Outlet	Threaded Outlet	Grooved Outlet	Threaded Outlet	Threaded Outlet	Grooved Outlet			
1/2 DN15	x 1/2 DN15	x 1 DN25	0.840 21.3	x 0.840 21.3	x 1.315 33.7	1.75 44.5	1.60 40.6	0.7 0.3

NOTE:

- Approved for use with one or two 1/2" NPT Sprinklers threaded directly into outlet connection(s).



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4.17 DIMENSIONS

No. 148 Sprinkler Reducer

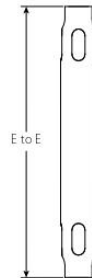


Length E to E inches mm	Size		Threaded Outlet Size		Weight Approximate (Each) lb kg
	Nominal inches DN	Actual Outside Diameter inches mm	inches DN	inches DN	
3 76	1 DN25	1.315 33.7	½ DN15	¾ DN20	0.4 0.2
3.5 89	1 DN25	1.315 33.7	½ DN15	¾ DN20	0.5 0.2
4 102	1 DN25	1.315 33.7	½ DN15	¾ DN20	0.6 0.3
4.5 114	1 DN25	1.315 33.7	½ DN15	¾ DN20	0.6 0.3
5 127	1 DN25	1.315 33.7	½ DN15	¾ DN20	0.7 0.3
5.5 140	1 DN25	1.315 33.7	½ DN15	¾ DN20	0.8 0.3
6 152	1 DN25	1.315 33.7	½ DN15	¾ DN20	0.8 0.4
12 305	1 DN25	1.315 33.7	½ DN15	¾ DN20	1.7 0.8
18 457	1 DN25	1.315 33.7	½ DN15	¾ DN20	2.5 1.1
24 610	1 DN25	1.315 33.7	½ DN15	¾ DN20	3.4 1.5
30 762	1 DN25	1.315 33.7	½ DN15	¾ DN20	4.2 1.9

NOTES

- NPT or BSPT available
- It is acceptable to cut and groove any No. 148 longer than 6'7152mm. The minimum allowable cut length is 6'7152mm for a No. 148.

No. 148 Double Ended Sprinkler Reducer



Length E to E inches mm	Size		Threaded Outlet Size		Weight Approximate (Each) lb kg
	Nominal inches DN	Actual Outside Diameter inches mm	inches DN	inches DN	
36 914	1 DN25	1.315 33.7	½ DN15	¾ DN20	5.0 2.3

NOTE

- 36'914mm size features sprinkler outlet on both ends for field fabrication.



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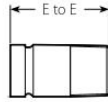
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4.18 DIMENSIONS

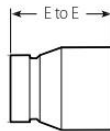
No. 140 Male Threaded x Groove Adapter



Size		Dimensions	Weight
Nominal	Actual Outside Diameter	E-E	Approximate (Each)
inches	inches	inches	lb
DN	mm	mm	kg
1	1.315	2.50	0.3
DN25	33.7	63.5	0.1

4.19 DIMENSIONS

No. 141 Female Threaded x Groove Adapter



Size		Dimensions	Weight
Nominal	Actual Outside Diameter	E-E	Approximate (Each)
inches	inches	inches	lb
DN	mm	mm	kg
1	1.315	2.00	0.5
DN25	33.7	50.8	0.2

4.20 DIMENSIONS

No. 146 Cap



Size		Dimensions	Weight
Nominal	Actual Outside Diameter	T	Approximate (Each)
inches	inches	inches	lb
DN	mm	mm	kg
1	1.315	0.55	0.2
DN25	33.7	14.0	0.1



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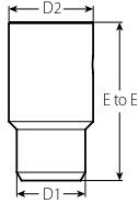
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4.21 DIMENSIONS

WB-1 Weld Plunger Cone



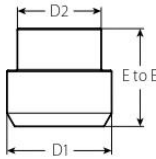
Dimensions			Weight
E to E inches mm	D1 inches mm	D2 inches mm	Approximate (Each) lb kg
3.75 95.3	1.63 41.3	2.00 50.8	2.2 51.0

NOTE

- WB-1 Weld Plunger Cones are for use with the No. 142 weld outlets and protect the groove during weld process.

4.22 DIMENSIONS

NAP-1 Weld Plunger Cone



Dimensions			Weight
E to E inches mm	D1 inches mm	D2 inches mm	Approximate (Each) lb kg
1.75 44.5	1.88 47.6	1.50 38.0	0.3 0.2

NOTE

- NAP-1 Weld Plunger Cones are for use with the No. 142 weld outlets and protect the groove during weld process.



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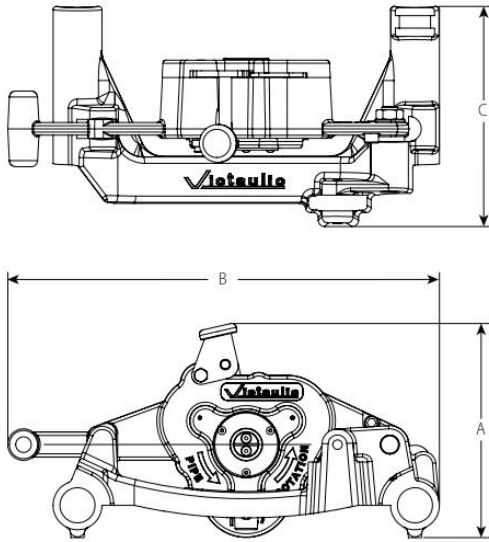
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4.23 DIMENSIONS

RG2100 Roll Grooving Tool



A	B	C	Tool Weight
inches	inches	inches	lb
mm	mm	mm	kg
8.5	17.1	8.7	37.5
216	435	222	17.0



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5.0 PERFORMANCE

Friction Flow Data

Style/No	Size Nominal inches DN	Equivalent Length of 1" Sch. 40 Pipe (C=120)		
		feet meters	Branch feet meters	Run feet meters
922		See publication 10.52	–	–
920N		See publication 11.02	–	–
101	1 DN25	2.0 0.61	–	–
102	1 DN25	–	5.0 1.52	2.7 0.82
115	1 ¼ x 1 DN32 x DN25	5.7 1.74	–	–
	1 ½ x 1 DN40 x DN25	5.0 1.52	–	–
118	1 x 1 x 1 DN25 x DN25 x DN25	–	4.2 1.3	1.1 0.3
	1 DN25	5.0 1.52	–	–
113	1 ¼ x 1 x 1 DN32 x DN25 x DN25	–	5.8 1.8	4.6 1.4
	1 ½ x 1 x 1 DN40 x DN25 x DN25	–	5.3 1.6	4.9 1.5
	1 DN25	–	6.2 1.9	3.3 1.0
117	1 DN25	3.5 1.1	–	–
144	1 ¼ x 1 x 1 DN32 x DN25 x DN25	3.9 1.19	–	–
	1 ½ x 1 x 1 DN40 x DN25 x DN25	4.3 1.31	–	–
		See Note	–	–

- In accordance with NFPA 13, friction loss shall be excluded for fittings directly connected to a sprinkler. For hydraulic calculations, Victaulic recommends using the installed length (E-E or cut length) of the No. 148 Sprinkler Reducer as the equivalent length of 1" DN25 Sch. 40 pipe.

Victaulic No. 148		
Length	½" DN15 outlet	¾" DN20 outlet
E to E inches mm	Equivalent Length of 1" Sched. 40 Pipe (C=120)	
	feet meters	
≤6 152	6.6 2.0	3.8 1.2
6 – 12 152 – 305	5.5 1.7	3.8 1.2
12 – 18 305 – 457	6.2 1.9	4.3 1.3
18 – 24 457 – 610	6.7 2.0	4.7 1.4
24 – 30 610 – 762	7.1 2.2	5.2 1.6
30 – 36 762 – 914	7.4 2.3	5.4 1.6

NOTE

- When installed in pipe to pipe connections or it is required by the authority having jurisdiction, the equivalent length data in the table (left) may apply.



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5.0 PERFORMANCE (CONTINUED)

Maximum Working Pressure

Style/No.	cULus	FM	LPCB	VdS
	psi kPa bar	psi kPa bar	psi kPa bar	psi kPa bar
142 ⁴	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
922 ^{4,7}	300	300	365	232
	2100	2100	2517	1600
	21	21	25	16
920N ^{4,7}	365	300	365	232
	2517	2100	2517	1600
	25	21	25	16
101 ^{5,7}	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
102 ^{5,7}	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
108 ^{5,7}	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
115 ^{4,7}	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
118 ^{6,7}	365	N/A	N/A	N/A
	2517			
	25			
65	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
111	365	365	N/A	N/A
	2517	2517		
	25	25		
113	365	365	N/A	N/A
	2517	2517		
	25	25		
114	365	365	N/A	N/A
	2517	2517		
	25	25		
117	365	365	N/A	N/A
	2517	2517		
	25	25		
143	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16

⁴ Maximum pressure rating is 300 psi/21 bar when installed on light-wall steel pipe, as follows:
 Mega-Flow and Mega-Flow-GF steel pipe manufactured by Wheatland Tube Co.
 Mega-Thread steel pipe manufactured by Wheatland Tube Co.
 MLT steel pipe manufactured by Wheatland Tube Co.
 WLS steel pipe manufactured by Wheatland Tube Co.
 Eddy Flow steel pipe manufactured by Bull Moose Tube Co.
 Eddythread steel pipe manufactured by Bull Moose Tube Co.
 EZ-Thread steel pipe manufactured by Youngstown Tube Co.
 Fire-Flo steel pipe manufactured by Youngstown Tube Co.
 Easy-Flow pipe manufactured by Borusan Mannesmann

⁵ Maximum pressure rating is 300 psi/21 bar when installed on light-wall steel pipe, as follows:
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⁶ Maximum pressure rating is 300 psi/21 bar when installed on light-wall steel pipe, as follows:
 Eddythread steel pipe manufactured by Bull Moose Tube Co.
 EZ-Thread steel pipe manufactured by Youngstown Tube Co.
 MLT steel pipe manufactured by Wheatland Tube Co.

⁷ Accommodates full vacuum (29.9 in Hg/760 mm Hg)



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5.0 PERFORMANCE (CONTINUED)

Maximum Working Pressure

Style/No.	cULus psi kPa bar	FM psi kPa bar	LPCB psi kPa bar	VdS psi kPa bar
144	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
145	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
147	365	365	N/A	N/A
	2517	2517		
	25	25		
148	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
140	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
141	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16
146	365	365	365	232
	2517	2517	2517	1600
	25	25	25	16

⁴ Maximum pressure rating is 300 psi/21 bar when installed on light-wall steel pipe, as follows:
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⁷ Accommodates full vacuum (29.9 in Hg/760 mm Hg)