

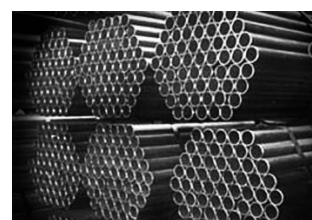
Τιμοκατάλογος Σιδηροσωλήνων



Σωλήνα γαλβανιζέ ραφής με
αυλακωτά άκρα ή σπείρωμα
Galvanised Carbon
Steel Welded Pipes
(Grooved or BSP threads)

ΓΑΛΒΑΝΙΖΕ	ΚΟΙΝΟΙ ΕΜΠΟΡΙΟΥ ΚΙΤΡΙΝΗ ΕΤΙΚΕΤΑ		ISO I ΚΟΚΚΙΝΗ ΕΤΙΚΕΤΑ		EN 10255 ΠΡΑΣΙΝΗ ΕΤΙΚΕΤΑ	
ΟΝΟΜΑΣΤΙΚΗ ΔΙΑΜΕΤΡΟΣ	ΠΑΧΟΣ (mm)	ΤΙΜΗ (€)	ΠΑΧΟΣ (mm)	ΤΙΜΗ (€)	ΠΑΧΟΣ (mm)	ΤΙΜΗ (€)
½"	1,80	-	2,30	-	2,60	-
¾"	2,00	-	2,30	-	2,60	-
1"	2,20	-	2,90	-	3,20	-
1 ¼"	2,30	-	2,90	-	3,20	-
1 ½"	2,40	-	2,90	-	3,20	-
2"	2,50	-	3,20	-	3,60	-
2 ½"	2,70	-	-	-	3,60	-
3"	2,90	-	-	-	4,00	-
4"	3,10	-	-	-	4,50	-
5"	-	-	4,00	27.95	4,50	-
6"	-	-	4,00	33.36	4,50	-
8"	-	-	4,50	58.00	5,50	-
10"	-	-	-	-	-	-

ΜΑΥΡΗ	ΚΟΙΝΟΙ ΕΜΠΟΡΙΟΥ ΚΙΤΡΙΝΗ ΕΤΙΚΕΤΑ		ISO I ΚΟΚΚΙΝΗ ΕΤΙΚΕΤΑ		EN 10255 ΠΡΑΣΙΝΗ ΕΤΙΚΕΤΑ	
ΟΝΟΜΑΣΤΙΚΗ ΔΙΑΜΕΤΡΟΣ	ΠΑΧΟΣ (mm)	ΤΙΜΗ (€)	ΠΑΧΟΣ (mm)	ΤΙΜΗ (€)	ΠΑΧΟΣ (mm)	ΤΙΜΗ (€)
½"	1,80	-	2,30	-	2,60	-
¾"	2,00	-	2,30	-	2,60	-
1"	2,20	-	2,90	-	3,20	-
1 ¼"	2,30	-	2,90	-	3,20	-
1 ½"	2,40	-	2,90	-	3,20	-
2"	2,50	-	3,20	-	3,60	-
2 ½"	2,70	5.78	-	-	3,60	-
3"	2,90	8.23	-	-	4,00	-
4"	3,10	10.79	-	-	4,50	-
5"	-	-	4,00	*	4,50	*
6"	-	-	4,00	*	4,50	*
8"	-	-	4,50	*	5,50	*
10"	-	-	-	-	-	-



Σωλήνα μαύρη ραφής με
αυλακωτά άκρα ή σπείρωμα
Black Carbon Steel Pipe
(Grooved or BSP threads)

* Τιμολογούνται κατόπιν απαίτησης - Price upon request

Βιδωτά Εξαρτήματα Ευρώπης Screwed Fittings

ΣΧΗΜΑ	ΤΥΠΟΣ	Inches	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
	Γωνιές θηλυκές	Μαύρα	0,77	1,22	1,83	3,57	5,89	6,82	21,26	29,09	51,35
		Γαλβα/μένα	0,97	1,54	2,27	4,47	7,31	8,57	26,51	36,35	64,12
	Γωνιές αρσενικές θηλυκές	Μαύρα	0,89	1,46	2,40	4,26	6,42	8,37	21,91	28,87	48,55
		Γαλβα/μένα	1,14	1,79	3,01	5,24	7,96	10,52	27,38	36,43	64,19
	Ταυ	Μαύρα	1,10	1,83	2,68	5,55	7,68	10,80	25,89	34,69	69,45
		Γαλβα/μένα	1,34	2,27	3,41	6,09	9,54	13,48	32,41	43,90	83,50
	Ταυ Συστολικά	Μαύρα		2,44	4,75	7,60	11,01	13,24	28,06	40,76	73,43
		Γαλβα/μένα		3,09	5,66	9,46	13,73	16,49	34,25	48,66	92,44
	Σταυροί	Μαύρα	3,75	5,80	7,33	9,79	13,01	19,45	47,98	53,94	88,42
		Γαλβα/μένα	4,78	7,09	9,15	12,21	16,23	23,75	57,20	65,80	109,60
	Σταυροί Συστολικοί	Μαύρα		8,13	10,95	12,21	15,99	22,33			
		Γαλβα/μένα		9,89	13,20	14,67	17,19	24,86			
	Μούφες	Μαύρα	0,89	1,25	1,58	2,56	3,57	5,48	16,40	19,68	45,31
		Γαλβα/μένα	1,15	1,55	1,99	3,26	4,55	6,86	20,47	24,58	56,56
	Μούφες αρσενικές θηλυκές	Μαύρα	1,44	1,86	2,46	4,79	5,26	9,06	16,87	19,68	49,94
		Γαλβα/μένα	1,78	2,37	3,09	5,98	6,57	11,82	20,82	25,76	62,20
	Ρακόρ θηλυκά	Μαύρα	5,04	5,10	5,76	9,54	11,19	18,44	41,25	57,56	116,30
		Γαλβα/μένα	7,21	6,40	7,21	11,95	13,99	23,06	51,61	71,95	145,39
	Ρακόρ αρσενικά θηλυκά	Μαύρα	5,15	5,25	6,44	10,26	13,05	20,43	45,40	70,96	130,82
		Γαλβα/μένα	6,35	6,50	8,01	12,80	16,32	25,51	56,34	88,05	163,55

Βιδωτά Εξαρτήματα Ευρώπης Screwed Fittings

ΣΧΗΜΑ	ΤΥΠΟΣ	Inches	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
	Συστολές Αγγλίας	Μαύρα	2,26	1,65	2,03	3,80	5,92	8,53	23,65	36,16	59,02
		Γαλβα/μένα	2,73	1,99	2,50	4,85	7,40	10,60	28,30	42,98	69,77
	Συστολές Αμερικής	Μαύρα	1,40	0,94	1,22	2,15	3,01	5,48	10,80	14,61	29,66
		Γαλβα/μένα	1,64	1,18	1,55	2,60	3,70	6,86	13,21	18,28	36,75
	Τάπες Αρσενικές	Μαύρα	0,70	0,90	1,02	1,75	2,82	3,98	9,05	11,69	36,92
		Γαλβα/μένα	0,81	1,06	1,22	2,19	3,26	5,00	11,24	14,52	43,40
	Τάπες Θηλυκές	Μαύρα	1,02	1,22	1,53	2,33	2,88	5,34	9,97	12,00	26,35
		Γαλβα/μένα	1,27	1,54	1,86	2,88	3,60	6,38	12,51	14,85	32,90
	Μαστοί Εξάγωνοι	Μαύρα	0,81	1,10	1,50	2,56	3,05	5,48	10,32	12,51	45,31
		Γαλβα/μένα	1,02	1,34	1,91	3,25	3,74	6,86	12,90	15,57	56,56
	Μαστοί Συστολικοί	Μαύρα	2,52	1,83	3,39	5,69	7,90	8,89	23,07	35,74	
		Γαλβα/μένα	3,14	2,16	4,25	6,69	9,77	10,54	27,47	42,55	
	Μούφες μέσα έξω βόλτα	Μαύρα	1,66	2,39	3,84	5,58					
		Γαλβα/μένα	2,08	3,04	4,69	6,86					
	Ρακόρ γωνιακά θηλυκά	Μαύρα	5,40	6,25	9,10	16,32	19,13	32,66			
		Γαλβα/μένα	6,88	7,94	11,33	20,10	23,62	39,88			
	Ρακόρ γωνιακά αρσενικά	Μαύρα	5,74	6,95	9,69	17,10	19,60	32,98			
		Γαλβα/μένα	6,97	8,65	11,90	20,34	24,45	41,30			
	Γωνιές συστολικές	Μαύρα	2,48	2,44	2,84	5,90	7,54	12,27	35,33	50,33	
		Γαλβα/μένα	3,13	2,20	3,29	7,13	9,16	15,20	40,91	59,93	

Couplings

FireLock EZ® Rigid Coupling

STYLE 009H

For Complete Information
Request Publication **10.61**



- Provides rigidity; does not accommodate expansion, contraction or angular deflection
- Installation-ready design – assemble a joint without disassembling the bolts, nuts, gasket and housings
- For use in fire protection systems only
- Reduces installation time up to 60%
- Available with hot dipped galvanized finish
- Proprietary gasket design
- Rated up to 365 psi/2517 kPa – see submittal publication 10.61 for complete performance ratings
- Sizes from 1¼–4"/32–100 mm

Size		Max. Work. Press. *	Max. End Load *	Allow. Pipe End Sep. †	@ Bolt/Nut No. – Size	Dimensions – Inches/mm					Aprx. Wgt. Ea.
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	Inches mm	Inches	Pre-assembled (Stab in condition)		Joint Assembled			Lbs. kg
						X	Y	X	Y	Z	
1¼ 32	1.660 42.4	365 2517	790 3514	0.10 2.54	2 - ¾ x 2 - M10 x 2	2.95 75	4.77 121	2.70 69	4.63 118	1.93 49	1.4 0.7
1½ 40	1.900 48.3	365 2517	1035 4604	0.10 2.54	2 - ¾ x 2 - M10 x 2	3.19 81	4.97 126	2.94 75	4.79 122	1.93 49	1.5 0.7
2 50	2.375 60.3	365 2517	1616 7193	0.12 3.05	2 - ¾ x 2 - M10 x 2	3.79 96	5.53 140	3.45 88	5.42 138	1.93 49	1.9 0.9
2½ 65	2.875 73.0	365 2517	2370 10542	0.12 3.05	2 - ¾ x 2 ½ - M10 x 2 ½	4.29 109	6.09 155	3.92 100	5.85 149	1.93 49	2.1 1.0
76.1 mm	3.000 76.1	365 2517	2580 11476	0.12 3.05	2 - ¾ x 2 ½ - M10 x 2 ½	4.40 112	6.31 160	4.05 103	5.90 150	1.93 49	2.1 1.0
3 80	3.500 88.9	365 2517	3512 15622	0.12 3.05	2 - ¾ x 2 ½ - M10 x 2 ½	4.91 125	6.70 170	4.55 116	6.46 164	1.93 49	2.3 1.0
4 100	4.500 114.3	365 2517	5805 25822	0.17 4.32	2 - ¾ x 2 ½ - M10 x 2 ½	5.95 151	7.82 199	5.54 141	7.47 190	2.14 55	2.9 1.3

* Working Pressure and End Load are total, from all internal and external loads, based on standard weight (ANSI) steel pipe, standard roll or cut grooved in accordance with Victaulic specifications. See page 1 of this document for Listed/Approved ratings on other pipe.

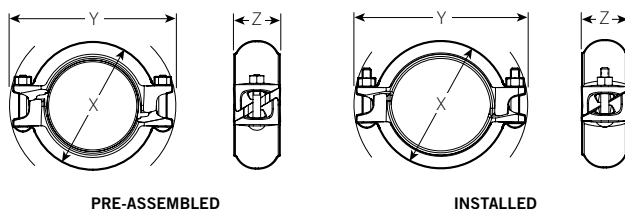
WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1 ½ times the figures shown in the chart on page 1, specific to pipe schedule and size.

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

@ Number of bolts required equals number of housing segments.

IMPORTANT NOTES:

When assembling FireLock EZ couplings onto end caps, take additional care to make certain the end cap is fully seated against the gasket end stop. For FireLock EZ Style 009H couplings, use FireLock® No. 006 end caps containing the "EZ" marking on the inside face or No. 60 end caps containing the "QV EZ" marking on the inside face. Non-Victaulic end cap products should not be used with Style 009H couplings.



PRE-ASSEMBLED

INSTALLED

Couplings

FireLock® Rigid Coupling

STYLE 005

For Complete Information
Request Publication 10.02



- Unique angle-pad design for rigidity
- Allows supporting/hanging same as welded or threaded in accordance with NFPA-13 requirements
- For use in fire protection services only
- Available with hot dipped galvanized finish
- Pressure rated up to 350 psi/2410 kPa
- Sizes from 1¼–8"/32–200mm

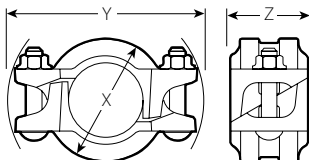
Size		Max. Work Pressure § *	Max. End Load *	Allow. Pipe End Sep. † **	Dimensions – Inches/mm			Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	Inches mm	X	Y	Z	Lbs. kg
1 ¼ 32	1.660 42.4	350 2410	755 3370	0.05 1.2	2.75 70	4.50 114	1.88 48	1.2 0.5
1 ½ 40	1.900 48.3	350 2410	990 4415	0.05 1.2	3.00 76	4.75 121	1.88 48	1.2 0.5
2 50	2.375 60.3	350 2410	1550 6900	0.07 1.7	3.50 89	5.25 133	1.88 48	1.6 0.7
2 ½ 65	2.875 73.0	350 2410	2270 10110	0.07 1.7	4.00 102	5.75 146	1.88 48	1.9 0.9
76.1 mm	3.000 76.1	350 2410	2475 11010	0.07 1.7	4.13 105	5.75 146	1.88 48	1.9 0.9
3 80	3.500 88.9	350 2410	3365 14985	0.07 1.7	4.63 118	6.13 156	1.88 48	2.1 1.0
4 ** 100	4.500 114.3	350 2410	5565 24770	0.16 4.1	5.75 146	7.25 184	2.13 54	3.1 1.4
108.0 mm	4.250 108.0	300 2065	4255 18940	0.16 4.1	5.63 143	7.25 184	2.13 54	3.1 1.4
5 125	5.563 141.3	300 2065	7290 32445	0.16 4.1	6.88 175	9.00 229	2.13 54	4.5 2.0
133.0 mm	5.250 133.0	300 2065	6495 28900	0.16 4.1	6.63 168	9.00 229	2.13 54	4.5 2.0
139.7 mm	5.500 139.7	300 2065	7125 31715	0.16 4.1	6.88 175	9.00 229	2.13 54	4.8 2.2
6 150	6.625 168.3	300 2065	10340 46020	0.16 4.1	8.00 203	10.00 254	2.13 54	5.0 2.3
159.0 mm	6.250 159.0	300 2065	9200 40955	0.16 4.1	7.63 194	10.00 254	2.13 54	5.5 2.5
165.1 mm	6.500 165.1	300 2065	9955 44295	0.16 4.1	8.15 207	10.00 254	2.13 54	5.5 2.5
8 ** 200	8.625 219.1	300 2065	17525 78000	0.19 4.8	10.50 267	13.13 334	2.63 67	11.3 5.1

† For field installation only. FireLock Style 005 couplings are essentially rigid and do not accommodate expansion/contraction.

§ Style 005 couplings are VdS and LPCB Approved to 12 Bar/175 psi.

* Refer to General Notes on pg.3-1.

** Korea MPI Approved



TYPICAL FOR ALL SIZES

Couplings

Zero-Flex® Rigid Coupling

STYLE 07

For Complete Information
Request Publication **06.02**



- Angled-pad design for rigidity
- Resists flexural and torsional loads
- Pressure rated up to 500 psi/3450 kPa
- Sizes from 1 – 12"/25 – 300 mm

Size		Max. Work Pressure ‡	Max. End Load *	Allow. Pipe End Sep. *	Dimensions – Inches/mm			Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	Inches mm	X	Y	Z	Lbs. kg
1	1.315	500	679	0.05	2.36	4.22	1.84	1.6
25	33.7	3450	3020	1.2	60	107	47	0.7
1 1/4	1.660	500	1082	0.05	2.69	4.62	1.84	1.6
32	42.4	3450	4813	1.2	68	117	47	0.7
1 1/2	1.900	500	1417	0.05	2.94	5.81	1.84	1.6
40	48.3	3450	6305	1.2	75	148	47	0.7
2	2.375	500	2214	0.07	3.35	5.78	1.84	2.3
50	60.3	3450	9852	1.7	85	147	47	1.0
2 1/2	2.875	500	3244	0.07	3.88	6.38	1.84	2.6
65	73.0	3450	14437	1.7	98	162	47	1.2
76.1 mm	3.000	500	3533	0.07	4.21	6.61	1.84	3.6
	76.1	3450	15720	1.7	107	168	47	1.6
3	3.500	500	4808	0.07	4.54	6.81	1.84	3.0
80	88.9	3450	21396	1.7	115	173	47	1.4
4 **	4.500	500	7948	0.16	5.81	8.21	2.07	5.3
100	114.3	3450	35369	4.1	148	209	53	2.4
108.0 mm	4.250	500	7090	0.16	5.56	7.98	2.07	5.2
	108.0	3450	31548	4.1	141	203	53	2.4
5	5.563	500	12147	0.16	7.03	9.89	2.07	7.4
125	141.3	3450	54053	4.1	179	251	53	3.4
133.0 mm	5.250	500	10818	0.16	6.69	9.60	2.07	7.4
	133.0	3450	48141	4.1	170	244	53	3.4
139.7 mm	5.500	500	11873	0.16	6.94	9.82	2.07	7.6
	139.7	3450	52835	4.1	176	249	53	3.4
6	6.625	500	17227	0.16	8.26	10.83	2.07	8.3
150	168.3	3450	76660	4.1	210	275	53	3.8
159.0 mm	6.250	500	15332	0.16	7.84	10.54	2.07	9.2
	159.0	3450	68228	4.1	199	268	53	4.2
165.1 mm	6.500	500	16583	0.16	8.13	10.84	2.07	8.3
	165.1	3450	73795	4.1	207	275	53	3.8
8 **	8.625	450	26278	0.19	10.54	13.74	2.51	15.1
200	219.1	3100	116939	4.8	268	349	64	6.8
10 #@	10.750	400	36287	0.13	12.86	16.98	2.56	23.5
250	273.0	2750	161475	3.3	327	431	65	10.7
12 #@	12.750	400	51045	0.13	14.86	18.88	2.56	28.2
300	323.9	2750	227149	3.3	377	480	65	12.8

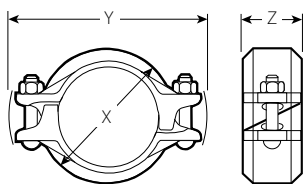
‡ Pressure ratings for Victaulic couplings used in services other than fire protection will differ from the ratings published here. Please consult the individual product submittal for specific pressure rating information.

* Refer to General Notes on pg. 3-1.

Couplings in 8"/200mm, 10"/250mm and 12"/300mm sizes are approved for JIS piping standards

@ Only couplings in 10"/250mm and 12"/300mm sizes are approved for use in China

** Korea MPI Approved



TYPICAL FOR ALL SIZES

Couplings

Standard Flexible Coupling

STYLE 77

For Complete Information
Request Publication 06.04



- Cross-ribbed construction design
- Provides flexibility for expansion, contraction, and deflection
- Pressure rated up to 500 psi/3450 kPa
- Sizes from 3/4 – 12"/20 – 300 mm

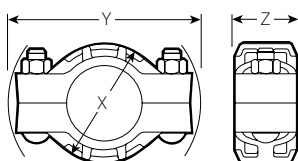
Size		Max. Work Pressure ‡	Max. End Load *	Allow. Pipe End Sep. *	Dimensions – Inches/mm			Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	Inches mm	X	Y	Z	Lbs. kg
3/4	1.050	1,000	865	0 – 0.06	2.13	4.00	1.75	1.1
20	26.7	6900	3850	0 – 1.6	54	102	44	0.5
1	1.315	1,000	1,360	0 – 0.06	2.38	4.12	1.75	1.2
25	33.4	6900	6050	0 – 1.6	61	105	44	0.5
1 1/4	1.660	1,000	2,160	0 – 0.06	2.65	5.00	1.88	2.0
32	42.2	6900	9610	0 – 1.6	67	127	48	0.9
1 1/2	1.900	1,000	2,835	0 – 0.06	3.13	5.38	1.88	2.1
40	48.3	6900	12615	0 – 1.6	79	137	48	1.0
2	2.375	1,000	4,430	0 – 0.06	3.63	5.88	1.88	2.6
50	60.3	6900	19715	0 – 1.6	92	149	48	1.2
2 1/2	2.875	1,000	6,490	0 – 0.06	4.25	6.50	1.88	3.1
65	73.0	6900	28880	0 – 1.6	108	165	48	1.4
76.1 mm	3.000	1,000	7,070	0 – 0.06	4.38	6.63	1.88	3.2
	76.1	6900	31460	0 – 1.6	111	168	48	1.5
3	3.500	1,000	9,620	0 – 0.06	5.00	7.13	1.88	3.7
80	88.9	6900	46810	0 – 1.6	127	181	48	1.7
4 **	4.500	1,000	15,900	0 – 0.13	6.13	8.88	2.13	6.7
100	114.3	6900	70755	0 – 3.2	156	226	54	3.0
108.0 mm	4.250	1,000	14,180	0 – 0.13	6.00	8.63	2.13	11.0
	108.0	6900	63100	0 – 3.2	152	219	54	5.0
5	5.563	1,000	24,300	0 – 0.13	7.75	10.65	2.13	10.6
125	141.3	6900	108135	0 – 3.2	197	270	54	4.8
133.0 mm	5.250	1,000	21,635	0 – 0.13	7.63	10.38	2.13	10.0
	133.0	6900	96275	0 – 3.2	194	264	54	4.5
139.7 mm	5.500	1,000	23,745	0 – 0.13	8.63	10.65	2.13	10.0
	139.7	6900	105665	0 – 3.2	219	270	54	4.5
6	6.625	1,000	34,470	0 – 0.13	8.63	11.88	2.13	12.0
150	168.3	6900	153390	0 – 3.2	219	302	54	5.4
159.0 mm	6.250	1,000	30,665	0 – 0.13	8.63	11.50	2.13	13.2
	159.0	6900	136460	0 – 3.2	219	292	54	6.0
165.1 mm	6.500	1,000	33,185	0 – 0.13	8.88	11.63	2.13	13.2
	165.1	6900	147660	0 – 3.2	226	295	54	6.0
8 #	8.625	800	46,740	0 – 0.13	11.00	14.75	2.50	20.8
200	219.1	5500	207995	0 – 3.2	279	375	63	9.4
10 #	10.750	800	73,280	0 – 0.13	13.63	17.13	2.63	31.1
250	273.0	5500	326100	0 – 3.2	346	435	67	14.1
12 #	12.750	800	102,000	0 – 0.13	15.63	19.25	2.63	27.8
300	323.9	5500	453900	0 – 3.2	397	489	67	12.6

‡ Pressure ratings for Victaulic couplings used in services other than fire protection will differ from the ratings published here. Please consult the individual product submittal for specific pressure rating information.

* Refer to General Notes on pg. 3-1.

Couplings in 8"/200mm, 10"/250mm and 12"/300mm sizes are approved for JIS piping standards

** Korea MPI Approved



TYPICAL FOR ALL SIZES

Couplings

Flexible Coupling

STYLE 75

For Complete Information
Request Publication **06.05**

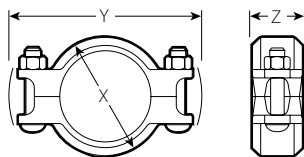


- For use where moderate pressures are expected and weight considerations are flexibility factors
- 50% lighter in weight than Style 77
- Pressure rated up to 500psi/3450kPa
- Sizes from 1–8"/25–304.8mm

Size		Max. Work Pressure *	Max. End Load *	Allow. Pipe End Sep. *	Dimensions – Inches/mm			Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	Inches mm	X	Y	Z	Lbs. kg
1	1.315	500	680	0 – 0.06	2.38	4.27	1.77	1.3
25	33.4	3450	3025	0 – 1.6	61	108	45	0.6
1 1/4	1.660	500	1,080	0 – 0.06	2.68	4.61	1.77	1.4
32	42.2	3450	4805	0 – 1.6	68	117	45	0.6
1 1/2	1.900	500	1,420	0 – 0.06	2.91	4.82	1.77	1.5
40	48.3	3450	6320	0 – 1.6	74	122	45	0.6
2	2.375	500	2,215	0 – 0.06	3.43	5.22	1.88	1.7
50	60.3	3450	9860	0 – 1.6	87	133	48	0.8
2 1/2	2.875	500	3,245	0 – 0.06	3.88	5.68	1.88	1.9
65	73.0	3450	14440	0 – 1.6	98	144	48	0.9
76.1 mm	3.000	500	3,535	0 – 0.06	4.00	5.90	1.88	1.9
	76.1	3450	15730	0 – 1.6	102	150	48	0.9
3	3.500	500	4,800	0 – 0.06	4.50	7.00	1.88	2.9
80	88.9	3450	21360	0 – 1.6	114	178	48	1.3
3 1/2	4.000	500	6,300	0 – 0.06	5.00	7.50	1.88	2.9
90	101.6	3450	28035	0 – 1.6	127	191	48	1.3
4 **	4.500	500	7,950	0 – 0.13	5.80	8.03	2.13	4.1
100	114.3	3450	35380	0 – 3.2	147	204	54	1.9
108.0 mm	4.250	450	6,380	0 – 0.13	5.55	7.79	2.13	3.7
	108.0	3100	28395	0 – 3.2	141	198	54	1.7
127.0 mm	5.000	450	8,820	0 – 0.13	6.13	9.43	2.13	5.5
	127.0	3100	39250	0 – 3.2	156	240	54	2.5
5	5.563	450	10,935	0 – 0.13	6.88	10.07	2.13	5.8
125	141.3	3100	48660	0 – 3.2	175	256	54	2.6
133.0 mm	5.250	450	9,735	0 – 0.13	6.55	9.37	2.13	6.0
	133.0	3100	43325	0 – 3.2	166	238	54	2.7
139.7 mm	5.500	450	10,665	0 – 0.13	6.80	9.59	2.13	6.3
	139.7	3100	47460	0 – 3.2	173	244	54	2.9
6	6.625	450	15,525	0 – 0.13	8.00	11.07	2.13	7.0
150	168.3	3100	69085	0 – 3.2	203	281	54	3.2
152.4 mm	6.000	450	12,735	0 – 0.13	7.38	10.48	1.88	6.2
	152.4	3100	56670	0 – 3.2	187	266	48	2.8
159.0 mm	6.250	450	13,800	0 – 0.13	7.63	10.49	2.13	6.8
	159.0	3100	61405	0 – 3.2	194	266	54	3.1
165.1 mm	6.500	450	14,940	0 – 0.13	7.84	10.66	2.06	7.2
	165.1	3100	66483	0 – 3.2	199	271	52	3.3
8 **	8.625	450	26,280	0 – 0.13	10.34	13.97	2.32	12.4
200	219.1	3100	116945	0 – 3.2	263	355	59	5.6

* Refer to General Notes on pg.3-1.

** Korea MPI Approved

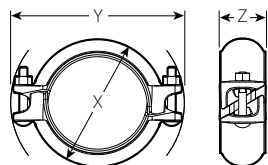


TYPICAL FOR ALL SIZES

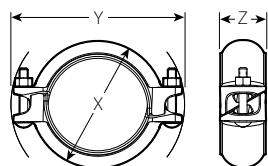
QuickVic® Rigid Coupling for Steel

STYLE 107

DIMENSIONS



**STYLE 107 PRE-ASSEMBLED
(INSTALLATION-READY CONDITION)**



STYLE 107 JOINT ASSEMBLED

Size		Allow. Pipe End Sep. †	® Bolt/Nut	Dimensions – Inches/mm					Aprx. Wgt. Ea.
Nominal Size Inches/ mm	Actual Outside Diameter Inches/ mm	Inches/ mm	No. - Size Inches/ mm	Pre-assembled (Installation-ready condition)		Joint Assembled			Lbs./ kg
				X	Y	X	Y	Z	
2	2.375	0.12	2 – ½ x 3	4.08	6.15	3.66	5.98	1.93	2.7
50	60.3	3.1	M12 x 3	104	156	93	152	49	1.2
2½	2.875	0.12	2 – ½ x 3	4.61	6.77	4.16	6.54	1.94	3.1
65	73.0	3.1	M12 x 3	117	172	106	166	49	1.4
76.1 mm	3.000	0.12	2 – M12 x 3	4.74	6.99	4.38	6.82	1.94	3.3
	76.1	3.1		120	178	111	173	49	1.5
3	3.500	0.12	2 – ½ x 3	5.18	7.42	4.82	7.13	1.94	3.5
80	88.9	3.1	M12 x 3	132	188	122	181	49	1.6
4	4.500	0.21	2 – ½ x 3	6.43	8.84	6.03	8.43	2.13	5.1
100	114.3	5.3	M12 x 3	163	225	153	214	54	2.3
	5.500	0.26	2 – M16 x 3¼	7.58	10.52	7.33	10.40	2.13	6.0
139.7 mm	139.7	6.60		190	264	172	260	54	2.7
5	5.563	0.21	2 – ⅝ x 3¼	7.48	10.50	7.06	10.91	2.13	6.8
125	141.3	5.3	M16 x 3¼	190	267	180	277	54	3.1
6	6.625	0.21	2 – ⅝ x 3¼	8.65	11.54	8.21	11.12	2.13	8.2
150	168.3	5.3		220	293	209	282	54	3.7
	6.500	0.2	2 – M16 x 3¼	8.7	11.65	8.46	11.57	2.13	7.9
165.1 mm	165.1	5.08		221	296	215	294	54	3.6
8	8.625	0.21	2 – ⅝ x 4	10.55	13.74	10.17	13.62	2.67	9.1
200	219.1	5.30	M16 x 4	268	349	258	346	68	4.1

† The allowable pipe separation dimension shown is for system layout purposes only. Style 107 QuickVic rigid couplings 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.

Roust-A-Bout® Couplings

STYLE 99



SEE VICTAULIC PUBLICATION 10.01 FOR DETAILS

Style 99 Roust-A-Bout couplings are designed with heavy housings and grips to provide a strong component for joining plain and beveled end, including Schedule 80 steel pipe and Victaulic plain end fittings. Roust-A-Bout couplings are not designed for use on plastic pipe, pipe with brittle linings, cast or ductile iron pipe nor any pipe with a surface hardness greater than 150 Brinell.

Pipe is secured together by heavy jaws, which are set into the housing. All sizes are supplied with painted housings and plated nuts and bolts. Galvanized housings are available.



WARNING

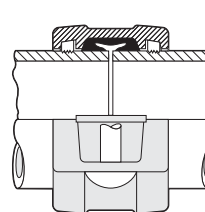
Style 99 Roust-A-Bout couplings must be assembled with nuts tightened to full torque specifications.



1 ½ – 12" SIZES

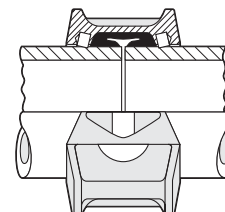


14 – 18" SIZES



Exaggerated for clarity

1 ½ – 18" SIZES



Exaggerated for clarity

1"; 76.1 & 139.7MM SIZES

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: Orange enamel.

- **Optional:** Hot dipped galvanized and others.

Jaws: Carbon steel, case hardened, electroplated, except sizes 1"; 76.1 mm and 139.7 mm, which utilize stainless steel, Type 416, hardened.

Gasket: (specify choice*)

- **Grade "E" EPDM**

EPDM (Green color code). Temperature range –30°F to +230°F/–34°C to +110°C.

Recommended 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 +86°F/+30°C and hot +180°F/+82°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.

- **Grade "T" nitrile**

Nitrile (Orange color code). Temperature range –20°F to +180°F/–29°C to +82°C.

Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Not recommended for hot water services over +150°F/+66°C or for hot dry air over +140°F/+60°C.

* 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/Washers: Heat-treated plated carbon steel, trackhead meeting the physical and chemical requirements of ASTM A-449 and physical requirements of ASTM A-183. The 6"/150mm and larger sizes are supplied with hardened steel washers meeting ASTM F-436 Type 3 (weathering steel).

JOB/OWNER

System No. _____

Location _____

CONTRACTOR

Submitted By _____

Date _____

ENGINEER

Spec Sect _____ Para _____

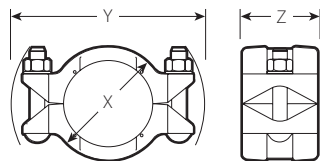
Approved _____

Date _____

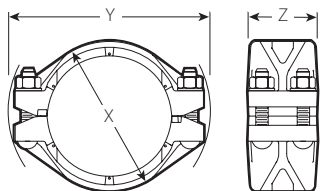
Roust-A-Bout® Couplings

STYLE 99

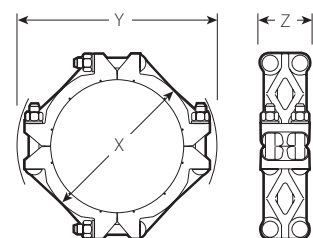
DIMENSIONS



1 – 6"/25 – 150MM SIZES



8 – 12"/200 – 300MM SIZES



14 – 18"/350 – 450MM SIZES

Size		Max Work Press.	Max. End Load	Required Bolt Torque	† Bolt/Nut No. – Size	Dimensions Inches/mm			Aprx. Weight
Nominal Size Inches mm	Actual Outside Diameter Inches mm	psi kPa	Lbs. * N	Lb. Ft. ** N•m	Inches	X	Y	Z	Lbs. kg
1 25	1.315 33.7	600 4130	800 3560	35 47.5	2 – 3/8 x 2	2.56 65	4.25 108	2.25 57	1.7 0.8
1 1/2 40	1.900 48.3	750 5175	2100 9345	60 81.4	2 – 1/2 x 2 1/2	3.25 83	5.50 140	2.88 73	3.6 1.6
2 50	2.375 60.3	750 5175	3300 14685	150 203.4	2 – 5/8 x 3 1/4	3.75 95	6.75 171	3.38 86	5.3 2.4
2 1/2 65	2.875 73.0	600 4130	3890 17310	150 203.4	2 – 5/8 x 3 1/4	4.25 108	7.13 181	3.38 86	5.7 2.5
76.1 mm	3.000 76.1	400 2700	2825 12500	95 128.8	2 – 1/2 x 2 3/4	4.69 119	6.25 159	2.75 70	4.4 2.0
3 80	3.500 88.9	600 4130	5770 25676	200 271.2	2 – 3/4 x 4 1/4	5.00 127	8.50 216	3.38 86	8.7 3.9
3 1/2 90	4.000 101.6	500 3450	6280 27946	200 271.2	2 – 3/4 x 4 1/4	5.50 140	9.25 235	3.63 92	10.6 4.8
4 100	4.500 114.3	450 3100	7155 31840	200 271.2	2 – 3/4 x 4 1/4	6.13 156	10.00 254	4.00 102	12.8 5.8
139.7 mm	5.500 139.7	250 1700	5940 26440	160 217.0	2 – 3/4 x 5	7.80 200	10.75 260	3.19 81	9.0 4.1
5 125	5.563 141.3	350 2400	8500 37825	250 339.0	2 – 7/8 x 5	7.25 184	11.38 289	4.38 111	17.3 7.8
6 150	6.625 168.3	300 2065	10340 46013	250 339.0	2 – 1 x 6 #	8.50 216	13.38 340	4.38 111	23.2 10.5
165.1 mm	6.500 165.1	300 2065	9955 44300	250 339.0	2 – 1 x 6 #	8.38 213	13.25 337	4.38 111	22.2 10.1
8 200	8.625 219.1	250 1700	14600 64970	250 339.0	4 – 7/8 x 5 #	10.88 276	14.38 365	5.00 127	37.2 16.9
10 250	10.750 273.0	250 1700	22700 101015	300 406.8	4 – 7/8 x 5 #	13.38 340	16.38 416	5.00 127	48.2 21.9
12 300	12.750 323.9	250 1700	31900 141955	350 474.6	4 – 1 x 6 1/2 #	15.50 394	19.63 499	5.13 130	60.0 27.2
14 350	14.000 355.6	200 1400	30800 137060	350 474.6	8 – 1 x 6 1/2 #	16.75 425	20.75 527	5.38 137	89.0 40.4
16 400	16.000 406.4	150 1000	30200 134390	350 474.6	8 – 1 x 6 1/2 #	19.00 483	22.63 575	5.38 137	105.0 47.6
18 450	18.000 457.0	150 1000	38200 169990	350 474.6	8 – 1 x 6 1/2 #	21.00 533	23.50 597	5.38 137	125.0 56.7

* Working Pressure and End Load are total, from all internal and external loads, based on coupling properly assembled, with bolts fully torqued to listed specifications, on plain end or beveled end standard weight (ANSI) steel pipe and Victaulic plain end fittings. Couplings are designed to be used with plain end pipe and Victaulic plain end fittings only.

** Bolt torque ratings shown must be applied at installation.

† Metric thread size bolts (plated) are available (color coded) 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.

Supplied with flat washers.

Couplings

Reducing Coupling

STYLE 750

For Complete Information
Request Publication **06.08**



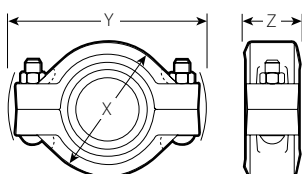
- Direct reduction on the piping run
- Designed to replace two couplings and a reducing fitting
- Special reducing gasket for pressure responsive sealing
- Pressure rated up to 350 psi/2410 kPa
- Sizes from 2×1"/50×25mm through 8×6"/200×150mm

Size		Max. Work Pressure *	Max. End Load *	Allow. Pipe End Sep. *	Dimensions – Inches/mm			Approx. Wgt. Each
Nominal Size Inches mm		psi kPa	Lbs. N	Inches mm	X	Y	Z	Lbs. kg
2 50	1 25	350	1,000	0 – 0.07	3.38	5.28	1.88	2.7
		2410	4450	0 – 1.8	85	134	48	1.2
	1½ 40	350	1,000	0 – 0.07	3.38	5.28	1.88	2.0
		2410	4450	0 – 1.8	85	134	48	1.0
2½ 65	2 50	350	2,215	0 – 0.07	4.00	5.93	1.88	3.1
		2410	9850	0 – 1.8	102	151	48	1.4
76.1	2 50	350	1,550	0 – 0.07	4.38	6.00	1.88	4.6
		2410	6900	0 – 1.8	111	152	48	2.1
3 80	2 50	350	1,550	0 – 0.07	4.75	7.13	1.88	4.9
		2410	6900	0 – 1.8	121	181	48	2.2
	2½ 65	350	3,250	0 – 0.07	4.75	7.13	1.88	4.3
		2410	14460	0 – 1.8	121	181	48	2.0
88.9	76.1	350	2,275	0 – 0.07	4.75	7.13	1.88	4.2
		2410	10125	0 – 1.8	121	181	48	1.9
4 100	2 50	350	1,550	0 – 0.13	6.25	8.90	2.25	8.1
		2410	6900	0 – 3.2	159	226	57	3.7
	2½ 65	350	2,275	0 – 0.13	6.25	8.90	2.25	8.6
		2410	10125	0 – 3.2	159	226	57	3.9
	3 80	350	4,810	0 – 0.13	6.00	8.90	2.25	6.7
		2410	21400	0 – 3.2	152	226	57	3.0
114.3	76.1	350	2,275	0 – 0.13	6.25	8.90	2.25	6.9
		2410	10125	0 – 3.2	159	226	57	3.1
5 125	4 100	350	5,565	0 – 0.13	7.18	10.70	2.13	11.2
		2410	24765	0 – 3.2	182	272	54	5.1
6 150	4 100	350	5,565	0 – 0.13	8.63	11.90	2.25	16.7
		2410	24765	0 – 3.2	219	302	57	7.6
	5 125	350	8,500	0 – 0.13	8.31	11.90	2.25	12.9
		2410	37825	0 – 3.2	211	302	57	5.9
165.1	4 100	350	5,565	0 – 0.13	8.63	11.90	2.25	15.2
		2410	24765	0 – 3.2	219	302	57	6.9
8 200	6 150	350	12,000	0 – 0.13	10.81	14.88	2.50	22.4
		2410	53400	0 – 3.2	275	378	64	10.2

* Refer to General Notes on pg. 3-1.

IMPORTANT NOTES:

No. 60 Cap is not for use in vacuum services with Style 72 or 750 couplings. No. 61 bull plug should be used.



TYPICAL FOR ALL SIZES

Couplings

FireLock® Flange
Adapter
ANSI Class 150
PN10
JIS 10K

STYLE 744

For Complete Information
Request Publication **10.04**



- Directly incorporates ANSI Class 150, PN10, JIS 10K or ANSI Class 300, PN16, JIS 20K bolt hole patterns into a grooved system
- Hinged for easy handling with integral end tabs which facilitate assembly
- Small teeth inside the key shoulder inside diameter prevent rotation
- Pressure rated up to 175psi/1200kPa
- Sizes from 2–8"/50–200mm

Size		Max. Work Pressure *	Max. End Load *	Sealing Surface		Dimensions		Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	A Max. Inches mm	B Min. Inches mm	W Inches mm	Z Inches mm	Lbs. kg
2	2.375	175	775	2.38	3.41	6.75	0.75	2.7
50	60.3	1200	3450	60	87	172	19	1.2
2 ½	2.875	175	1135	2.88	3.91	7.88	0.88	4.2
65	73.0	1200	5050	73	99	200	22	1.9
3	3.500	175	1685	3.50	4.53	8.44	0.94	4.8
80	88.9	1200	7500	89	115	214	24	2.2
4	4.500	175	2780	4.50	5.53	9.94	0.94	7.1
100	114.3	1200	11045	114	141	252	24	3.2
5	5.563	175	4250	5.56	6.71	11.00	1.00	8.3
125	141.3	1200	18920	141	171	279	25	3.8
6	6.625	175	6030	6.63	7.78	12.00	1.00	9.3
150	168.3	1200	26840	168	198	305	25	4.2
8	8.625	175	10219	8.63	9.94	14.63	1.13	13.9
200	219.1	1200	45475	219	252	372	29	6.3

* Working Pressure and End Load are total, from all internal and external loads, based on standard weight steel pipe, standard **roll** or **cut** grooved in accordance with Victaulic specification. Contact Victaulic for performance on other pipe.

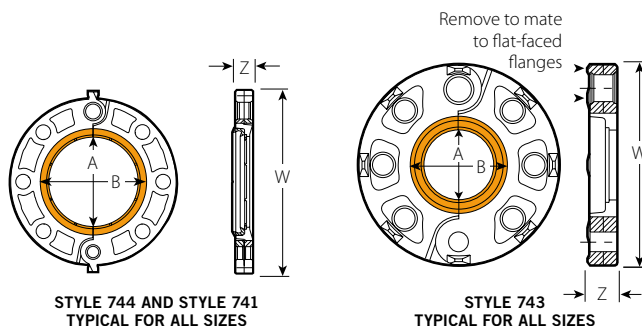
IMPORTANT NOTES

WARNING: For one time field test only, the Maximum Joint Working Pressure may be increased to 1½ times the figures shown.

Style 744 FireLock Flange adapters provide rigid joints when used on pipe with standard roll or cut groove dimensions and consequently allow no linear or angular movement at the joint.

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

Style 744 FireLock Flange adapters provide rigid joints when used on pipe with standard cut or roll groove dimensions and consequently allow no linear or angular movement at the joint. When used with Victaulic Series 765/705W/707 butterfly valves, plastic pipe or lightwall metallic pipe, small teeth in inside diameter of key section should be removed and may be used on one side of the valve.



Orange area of mating face must be free from gouges, undulations or deformities of any type for effective sealing.

Couplings

Vic-Flange® Adapter ANSI Class 300 PN16 JIS 20K

STYLE 741

For Complete Information
Request Publication 06.06



- Directly incorporates ANSI Class 150 PN10 JIS 10K or ANSI Class 300 PN16 JIS 20K flanged components into a grooved system
- Pressure rated up to 250psi/1725 kPa
- Sizes from 2–12"/50–300mm (hinged)

Size		Max. Work Pressure *	Max. End Load *	Sealing Surface		Dimensions		Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	A Max. Inches mm	B Min. Inches mm	W Inches mm	Z Inches mm	Lbs. kg
2 50	2.375 60.3	300 2065	1,330 5920	2.38 60	3.41 87	6.75 172	0.75 19	3.1 1.4
2½ 65	2.875 73.0	300 2065	1,950 8680	2.88 73	3.91 99	7.87 200	0.88 22	4.8 2.1
3 80	3.500 88.9	300 2065	2,885 12840	3.50 89	4.53 115	8.29 211	0.94 24	5.3 2.4
4 100	4.500 114.3	300 2065	4,770 21225	4.50 114	5.53 141	9.87 251	0.94 24	7.4 3.4
5 125	5.563 141.3	300 2065	7,290 32440	5.56 141	6.71 171	10.90 277	1.00 25	8.6 3.9
6 150	6.625 168.3	300 2065	10,350 46060	6.63 168	7.78 198	11.90 302	1.00 25	9.9 4.5
165.1 mm	6.500 165.1	300 2065	9,960 44320	6.50 165	7.66 195	11.92 303	1.00 25	10.0 4.5
8 200	8.625 219.1	300 2065	17,500 77875	8.63 219	9.94 252	14.50 368	1.13 29	16.6 7.5
10 250	10.750 273.0	300 2065	27,215 121110	10.75 273	12.31 313	17.24 438	1.19 30	24.2 11.0
12 300	12.750 323.9	300 2065	38,285 170270	12.75 324	14.31 364	20.25 514	1.25 32	46.8 21.2

* Refer to Publication 06.06 for more details.

IMPORTANT NOTES:

Style 741 Vic-Flange adapters provide rigid joints when used on pipe with standard cut or roll groove dimensions and consequently allow no linear or angular movement at the joint. When used with Victaulic Series 765/705W/707 butterfly valves, plastic pipe or lightwall metallic pipe, small teeth in I.D. of key section should be removed and may be used on one side of the valve. Total bolts required to be supplied by installer, may be ordered from Victaulic Company.

For restrictions on where and how Vic-Flange adapters and flange washers can be used, refer to Publication 06.06.

Vic-Flange Adapter ANSI Class 300 PN16 JIS 20K

STYLE 743

For Complete Information
Request Publication 06.06



- Pressure rated up to 500psi/3450 kPa
- Sizes from 2–12"/50–300mm

Size		Max. Work Pressure *	Max. End Load *	Sealing Surface		Dimensions		Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	A Max. Inches mm	B Min. Inches mm	W Inches mm	Z Inches mm	Lbs. kg
2 50	2.375 60.3	720 4960	3,190 14200	2.38 60	3.41 87	7.70 196	0.93 24	4.8 2.2
2½ 65	2.875 73.0	720 4960	4,670 20780	2.88 73	3.91 99	8.61 219	1.06 27	7.4 3.4
3 80	3.500 88.9	720 4960	6,925 30815	3.50 89	4.53 115	9.48 241	1.18 30	9.1 4.1
4 100	4.500 114.3	720 4960	11,445 50930	4.50 114	5.53 141	11.35 288	1.31 33	15.3 6.9
5 125	5.563 141.3	720 4960	17,500 77875	5.56 141	6.72 171	12.31 313	1.43 36	17.7 8.0
6 150	6.625 168.3	720 4960	24,805 110380	6.63 168	7.78 198	13.77 350	1.50 38	23.4 10.6
8 200	8.625 219.1	720 4960	42,045 187100	8.63 219	9.94 252	16.68 424	1.68 43	34.3 15.6
10 250	10.750 273.0	720 4960	65,315 290650	10.75 273	12.31 313	19.25 489	1.93 49	48.3 21.9
12 300	12.750 323.9	720 4960	91,880 408870	12.75 324	14.31 363	22.25 565	2.06 52	70.5 32.0

* Refer to Publication 06.06 for more details.

IMPORTANT NOTES:

Style 743 Vic-Flange must be ordered as a factory assembly when connected to a Victaulic fitting or valve. Contact Victaulic for details. Total bolts required to be supplied by installer, may be ordered from Victaulic.

For restrictions on where and how Vic-Flange adapters and flange washers can be used, refer to Publication 06.06.

Fittings

FireLock® Elbows, Tee and Cap

NO. 001 90° Elbow

NO. 003 45° Elbow

NO. 002 Straight Tee

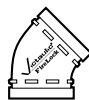
NO. 006 Cap

For Complete Information

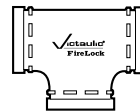
Request Publication **10.03**



NO. 001*



NO. 003*



NO. 002*



NO. 006*

Size		No. 001 90° Elbow		No. 003 45° Elbow		No. 002 Straight Tee		No. 006 Cap	
Nominal Size Inches mm	Actual Outside Diameter Inches mm	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	T Thickness Inches mm	Approx. Wgt. Each Lbs. kg
1 1/4 32	1.660 42.4	—	—	—	—	—	—	0.8 21	0.3 0.1
1 1/2 40	1.900 48.3	—	—	—	—	—	—	0.82 21	0.4 0.2
2 50	2.375 60.3	2.75 70	1.7 0.8	2.00 51	1.8 0.8	2.75 70	2.4 1.1	0.88 22	0.6 0.3
2 1/2 65	2.875 73.0	3.00 76	3.1 1.4	2.25 57	2.2 1.0	3.00 76	3.6 1.6	0.88 22	1.0 0.5
76.1 mm	3.000 76.1	3.00 76	3.30 1.5	2.25 57	2.4 1.1	—	—	—	—
3 80	3.500 88.9	3.38 86	4.0 1.8	2.50 64	3.1 1.4	3.38 86	5.3 2.4	0.88 22	1.2 0.5
4 100	4.500 114.3	4.00 102	6.7 3.0	3.00 76	5.6 2.5	4.00 102	8.7 3.9	1.00 25	2.4 1.1
108.0 mm	4.250 108.0	4.00 102	5.7 2.6	3.00 76	5.1 2.3	4.00 102	7.5 3.4	—	—
5 125	5.563 141.3	4.88 124	12.6 5.7	3.25 83	8.3 3.8	4.88 124	15.7 7.1	1.00 25	4.1 1.9
6 150	6.625 168.3	5.50 140	18.3 8.3	3.50 89	11.7 5.3	5.50 140	22.7 10.3	1.00 25	5.9 2.7
159.0 mm	6.250 158.8	5.50 140	12.6 5.7	3.50 89	9.2 4.2	5.50 140	17.9 8.0	—	—
8 200	8.625 219.1	6.81 173	25.5 11.6	4.25 108	20.4 9.3	6.94 176	38.7 17.6	1.13 29	12.7 5.8

* See individual fitting submittals and publication 10.01 for approvals.

Grooved End Fittings

DIMENSIONS

Elbows

NO. 10 90° Elbow

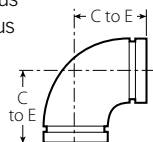
NO. 11 45° Elbow

NO. 12 22½° Elbow

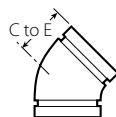
NO. 13 11¼° Elbow

NO. 100 90° Long Radius

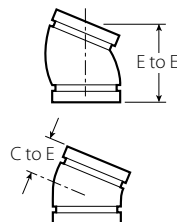
NO. 110 45° Long Radius



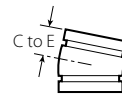
NO. 10



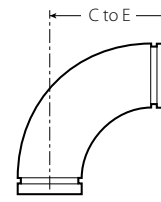
NO. 11



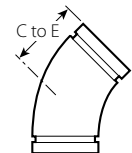
NO. 12



NO. 13



NO. 100



NO. 110

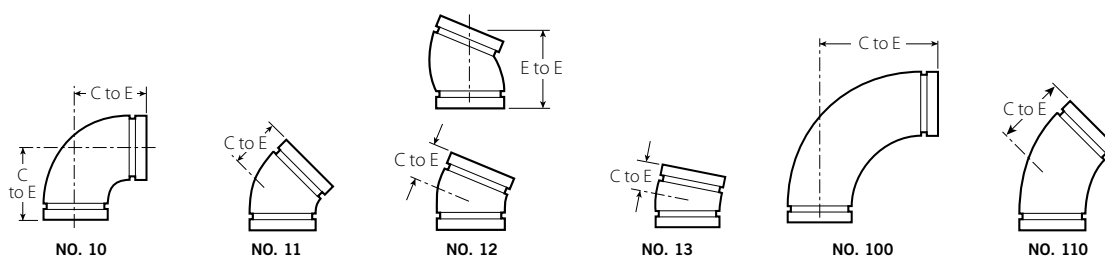
Size		No. 10 90° Elbow		No. 11 45° Elbow		No. 12 22½° Elbow		No. 13 11¼° Elbow		No. 100† 90° Long Radius Elbow (S)		No. 110† 45° Long Radius Elbow (S)	
Nominal Size Inches mm	Actual Outside Dia. Inches mm	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg
¾ 20	1.050 26.9	2.25 57	0.5 0.2	1.50 38	0.5 0.2	1.63sw 41	—	1.38sw 35	—	—	—	—	—
1 25	1.315 33.7	2.25 57	0.6 0.3	1.75 44	0.6 0.3	3.25 @ 83	0.6 0.3	1.38sw 35	0.3 0.1	—	—	—	—
1¼ 32	1.660 42.4	2.75 70	1.0 0.5	1.75 44	0.9 0.4	1.75 44	0.8 0.4	1.38sw 35	0.5 0.2	—	—	—	—
1½ 40	1.900 48.3	2.75 70	1.2 0.5	1.75 44	0.9 0.4	1.75 44	0.8 0.4	1.38sw 35	0.5 0.2	—	—	—	—
2 50	2.375 60.3	3.25 83	1.8 0.8	2.00 51	1.3 0.6	3.75 @ 95	1.4 0.6	1.38 35	1.0 0.5	4.38 111	2.5 1.1	2.75 70	1.8 0.8
2½ 65	2.875 73.0	3.75 95	3.2 1.5	2.25 57	2.2 1.0	4.00 @ 102	2.3 1.0	1.50 38	1.1 0.5	5.13 130	3.4 1.5	3.00 76	2.8 1.3
76.1 mm	3.000 76.1	3.75 95	3.7 1.7	2.25 57	3.4 1.5	2.24 57	—	1.50 38	—	—	—	—	—
3 80	3.500 88.9	4.25 108	4.5 2.0	2.50 64	3.1 1.4	4.50 @ 114	3.1 1.4	1.50 38	2.1 1.0	5.88 149	6.0 2.7	3.38 86	4.9 2.2
3½ 90	4.000 101.6	4.50 114	5.6 2.5	2.75 70	4.3 2.0	2.50sw 64	4.0 1.8	1.75sw 44	2.7 1.2	—	—	—	—
4 100	4.500 114.3	5.00 127	7.1 3.2	3.00 76	5.6 2.5	2.88 73	5.6 2.5	1.75 44	3.6 1.6	7.50 191	12.3 5.6	4.00 102	7.3 3.3
108.0 mm	4.250 108.0	5.00 127	11.0 5.0	3.00 76	5.6 2.5	—	—	—	—	—	—	—	—
4½ 120	5.000 127.0	5.25 sw 133	10.0 4.5	3.13 sw 79	6.0 2.7	3.50 89	6.6 3.0	1.88sw 48	4.2 1.9	—	—	—	—
5 125	5.563 141.3	5.50 140	11.7 5.3	3.25 83	8.3 3.8	2.88sw 73	7.8 3.5	2.00sw 51	5.0 2.2	+	18.2 8.3	+	14.8 6.7
133.0 mm	5.250 133.0	5.50 140	11.7 5.3	3.25 83	8.3 3.8	—	—	—	—	—	—	—	—
139.7 mm	5.500 139.7	5.50 140	11.7 5.3	3.25 83	8.3 3.8	2.87 73	—	2.00 51	—	—	—	—	—
6 150	6.625 168.3	6.50 165	17.2 7.8	3.50 89	10.8 4.9	6.25 @ 159	12.2 5.5	2.00 51	7.0 3.2	10.75 273	30.4 13.8	5.50 140	17.4 7.9
159.0 mm	6.250 159.0	6.50 165	18.6 8.4	3.50 89	10.8 4.9	—	—	—	—	—	—	—	—
165.1 mm	6.500 165.1	6.50 165	15.5 7.0	3.50 89	9.8 4.4	3.13 79	11.4 5.2	2.00 51	7.4 3.4	10.75 273	29.0 13.2	5.50 140	19.0 8.6

@ Gooseneck design- end-to-end dimension fittings in this size- contact your nearest Victaulic sales office

† Chinese standard sizes

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s". SW= Segmentally Welded- S= Carbon Steel

Grooved End Fittings



Size		No. 10 90° Elbow		No. 11 45° Elbow		No. 12 22½° Elbow		No. 13 11¼° Elbow		No. 100† 90° Long Radius Elbow (S)		No. 110† 45° Long Radius Elbow (S)	
Nominal Size Inches mm	Actual Outside Dia. Inches mm	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg
8 200	8.625 219.1	7.75 197	29.9 13.6	4.25 108	20.4 9.3	7.75 @ 197	20.0 9.1	2.00 51	10.1 4.6	14.25 362	66.0 30.0	7.25 184	36.0 16.3
10 250	10.750 273.0	9.00 229	63.3 28.7	4.75 121	37.5 17.0	4.38 111	30.0 13.6	2.13 54	11.8 5.3	15.00 381	107.0 48.5	6.25 159	57.0 25.9
12 300	12.750 323.9	10.00 254	74.0 33.6	5.25 133	66.7 30.3	4.88 124	40.0 18.1	2.25 57	29.3 13.3	18.00 457	156.0 70.8	7.50 191	90.0 40.8
14 # 350	14.000 355.6	14.00 355.6	136.0 61.7	5.75 146	65.0 29.5	5.00sw 127	46.0 20.9	3.50sw 89	32.0 14.5	21.00 s 533	164.0 74.4	8.75 s 222	82.0 37.2
377.0mm †	14.843 377.0	14.84 376.9	149.3 67.7	6.15 156.2	82.0 37.2	—	—	—	—	—	—	—	—
16 # 400	16.000 406.4	16.00 406.4	171.0 77.6	6.63 168	88.0 39.9	5.00sw 127	58.0 26.3	4.00sw 102	42.0 19.1	24.00 s 610	210.0 95.3	10.00 s 254	100.0 45.4
426.0mm †	16.772 426.0	16.77 426.0	198.6 90.1	6.95 176.5	101.3 45.9	—	—	—	—	—	—	—	—
18 # 450	18.000 457.0	18.00 457.2	228.0 103.4	7.46 189	108.0 50.0	5.50sw 140	65.0 29.5	4.50sw 114	53.2 24.1	27.00 s 686	273.0 123.8	11.25 s 286	135.0 61.2
480.0mm †	18.898 480.0	18.90 480.0	291.0 132.0	7.83 198.8	141.7 64.3	—	—	—	—	—	—	—	—
20 # 500	20.000 508.0	20.00 508.0	298.0 135.2	8.28 210	138.0 62.6	6.00sw 152	78.6 36.0	5.00sw 127	65.0 29.5	30.00 s 762	343.0 155.6	12.50 s 318	174.0 78.9
530.0mm †	20.866 530.0	20.87 530.0	355.0 161.0	8.64 219.4	179.0 81.2	—	—	—	—	—	—	—	—
24 # 600	24.000 610.0	24.00 609.6	438.0 198.7	9.94 252	221.0 100.2	7.00sw 178	140.0 63.5	6.00sw 152	60.0 27.2	36.00 s 914	516.0 234.1	15.00 s 381	251.0 113.9
630.0mm †	24.803 630.0	24.80 630.0	545.0 247.2	10.27 261.0	255.2 115.7	—	—	—	—	—	—	—	—
14 – 24 350 – 600	AGS For AGS fitting information, see publication 20.05												

@ Gooseneck design, end-to-end dimension

For roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales office.

† Chinese standard sizes

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s" SW= Segmentally Welded; S= Carbon Steel

Grooved End Fittings

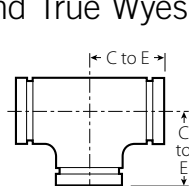
Tees, Crosses and True Wyes

NO. 20 Tee

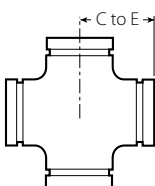
NO. 35 Cross

NO. 33 True Wye

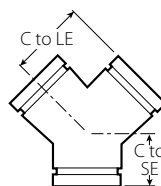
NO. 29M Tee with
Threaded Branch



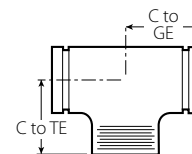
NO. 20



NO. 35



NO. 33



NO. 29M

Size		No. 20 Tee		No. 35 Cross (sw)		No. 33 True Wye (sw)			No. 29M Tee with Threaded Branch		
Nominal Size Inches mm	Actual Outside Dia. Inches mm	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	C to LE Inches mm	C to SE Inches mm	Approx. Weight Each Lbs. kg	C to GE Inches mm	C to TE Inches mm	Approx. Weight Each Lbs. kg
¾ 20	1.050 26.9	2.25 57	0.6 0.3	2.25 57	0.9 0.4	—	—	—	2.25 57	2.25 57	0.6 0.3
1 25	1.315 33.7	2.25 57	1.0 0.5	2.25 57	1.3 0.6	2.25 57	2.25 57	1.1 0.5	2.25 57	2.25 57	1.0 0.5
1¼ 32	1.660 42.4	2.75 70	1.5 0.7	2.75 70	2.1 1.0	2.75 70	2.50 64	1.5 0.7	2.75 70	2.75 70	1.5 0.7
1½ 40	1.900 48.3	2.75 70	2.0 0.9	2.75 70	2.5 1.1	2.75 70	2.75 70	1.8 0.8	2.75 70	2.75 70	2.0 0.9
2 50	2.375 60.3	3.25 83	3.0 1.4	3.25 83	3.8 1.7	3.25 83	2.75 70	2.5 1.1	3.25 83	4.25 108	3.00 1.4
2½ 65	2.875 73.0	3.75 95	4.3 2.0	3.75 95	6.1 2.8	3.75 95	3.00 76	4.3 2.0	3.75 95	3.75 95	4.3 2.0
76.1 mm	3.000 76.1	3.75 95	5.2 2.4	—	—	—	—	—	3.75 95	3.75 95	5.2 (sw) 2.4
3 80	3.500 88.9	4.25 108	6.8 3.0	4.25 108	10.5 4.8	4.25 108	3.25 83	6.1 2.8	4.25 108	6.00 152	6.8 3.1
3½ 90	4.000 101.6	4.50 (sw) 114	7.9 3.6	4.50 114	11.5 5.2	4.50 114	3.50 89	9.6 4.4	4.50 114	4.50 114	7.9 (sw) 3.6
108.0 mm	4.250 108.0	5.00 127	15.5 7.0	—	—	—	—	—	5.00 127	5.00 127	15.5 7.0
4 100	4.500 114.3	5.00 127	11.9 5.4	5.00 127	15.8 7.2	5.00 127	3.75 95	10.0 4.5	5.00 127	7.25 184	11.9 5.4
4½ 120	5.000 127.0	5.25 (sw) 133	15.0 6.8	5.25 133	18.5 8.4	—	—	—	5.25 133	5.25 133	15.0 (sw) 6.8
133.0 mm	5.250 133.0	5.50 140	17.8 8.1	—	—	—	—	—	5.50 140	5.50 140	17.8 8.1
139.7 mm	5.500 139.7	5.50 140	17.8 8.1	—	—	—	—	—	5.50 140	5.50 140	17.8 8.1
5 125	5.563 141.3	5.50 140	17.8 8.1	5.50 140	20.0 9.1	5.50 140	4.00 102	15.0 6.8	5.50 140	5.50 140	17.8 (sw) 8.1
159.0 mm	6.250 159.0	6.50 165	27.1 12.3	—	—	—	—	—	6.50 165	6.50 165	27.1 12.3
165.1 mm	6.500 165.1	6.50 165	22.0 10.0	6.50 165	28.0 12.7	—	—	—	6.50 165	6.50 165	22.0 10.0
6 150	6.625 168.3	6.50 165	25.7 11.7	6.50 165	28.0 12.7	6.50 165	4.50 114	22.3 10.1	6.50 165	6.50 165	25.7 (sw) 11.7
8 200	8.625 219.1	7.75 197	47.6 21.6	7.75 197	48.0 21.8	7.75 197	6.00 152	36.0 16.3	7.75 197	7.75 197	47.6 (sw) 21.6
10 250	10.750 273.0	9.00 229	99.0 44.9	9.00 229	121.5 55.1	9.00 229	6.50 155	69.9 31.7	9.00 229	9.00 229	73.0 33.1
12 300	12.750 323.9	10.00 254	133.0 60.3	10.00 254	110.0 49.9	10.00 254	7.00 178	80.0 36.3	10.00 254	10.00 254	99.0 44.9

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s". SW= Segmentally Welded S= Carbon Steel

Grooved End Fittings

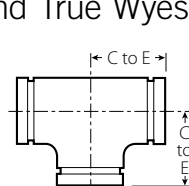
Tees, Crosses and True Wyes

NO. 20 Tee

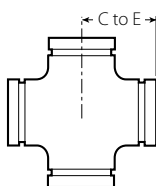
NO. 35 Cross

NO. 33 True Wye

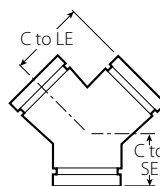
NO. 29M Tee with
Threaded Branch



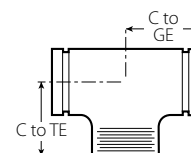
NO. 20



NO. 35



NO. 33



NO. 29M

Size		No. 20 Tee		No. 35 Cross (sw)		No. 33 True Wye (sw)			No. 29M Tee with Threaded Branch		
Nominal Size Inches mm	Actual Outside Dia. Inches mm	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	C to LE Inches mm	C to SE Inches mm	Approx. Weight Each Lbs. kg	C to GE Inches mm	C to TE Inches mm	Approx. Weight Each Lbs. kg
14 # 350	14.000 355.6	11.00 279	145.0 65.8	11.00 279	198.0 89.8	11.00 279	7.50 191	134.2 60.8	—	—	—
377.0mm	14.000 355.6	11.00 279	145.0 65.8	—	—	—	—	—	—	—	—
16 # 400	16.000 406.4	12.00 305	186.0 84.4	12.00 305	250.0 113.4	12.00 305	8.00 203	167.0 75.7	—	—	—
426.0mm †	16.000 406.4	12.00 305	186.0 84.4	—	—	—	—	—	—	—	—
18 # 450	18.000 457.0	14.00 356	256.0 116.1	15.50 394	350.0 158.8	15.50 394	8.50 216	234.0 106.1	—	—	—
480.0mm †	18.000 457.0	14.00 356	256.0 116.1	—	—	—	—	—	—	—	—
20 # 500	20.000 508.0	15.00 381	339.0 153.8	17.25 438	452.0 205.0	17.25 438	9.00 229	281.0 127.5	—	—	—
530.0mm †	20.000 508.0	15.00 381	339.0 153.8	—	—	—	—	—	—	—	—
24 # 600	24.000 610.0	17.00 432	473.0 214.5	20.00 508	795.0 360.6	20.00 508	10.00 254	523.0 237.2	—	—	—
630.0mm †	24.000 610.0	17.00 432	473.0 214.5	—	—	—	—	—	—	—	—
14 – 24 350 – 600	 For AGS fitting information, see publication 20.05										

For roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales office.

† Chinese standard sizes

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s" SW= Segmentally Welded S= Carbon Steel

IMPORTANT NOTE:

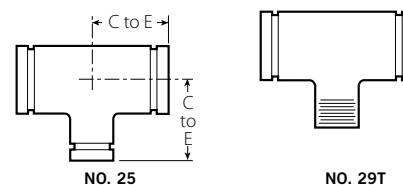
Fittings size 26 – 48"/650 – 1050mm are available roll grooved for installation with Style 770 large diameter pipe couplings, Contact Victaulic for details.

Grooved End Fittings

Reducing Tee

NO. 25 Grooved Branch

NO. 29T Threaded Branch



Size	No. 25 Std.	No. 29T w/ Thd. Branch	Approx. Weight Each
Nominal Size Inches mm	C to E Inches mm	C to E Inches mm	Lbs. kg
1 25 × 1 × ¾ 20	+	+	1.0 0.5
1 ¼ 32 × 1 ¼ × 1 25	+	+	1.3 0.6
1 ½ 40 × 1 ½ × ¾ 20	+	+	1.5 0.7
	1 25	+	1.5 0.7
	1 ¼ 32	+	1.7 0.8
2 50 × 2 × ¾ 20	3.25 83	3.25 83	2.5 1.1
	1 25	3.25 83	2.7 1.2
	1 ¼ 32	+	1.8 0.8
	1 ½ 40	3.25 (sw) 83	3.0 1.4
2 ½ 65 × 2 ½ × ¾ 20	+	+	3.9 1.8
	1 25	3.75 (sw) 95	3.8 1.7
	1 ¼ 32	+	4.2 1.7
	1 ½ 40	3.75 95	3.9 1.8
	2 50	3.75 (sw) 95	4.5 2.0
3 80 × 3 × ¾ 20	+	+	5.7 2.6
	1 25	4.25 108	6.1 2.8
	1 ¼ 32	+	8.0 3.6
	1 ½ 40	4.25 (sw) 108	6.5 2.9
	2 50	4.25 (sw) 108	6.2 2.8
	2 ½ 65	4.25 (sw) 108	6.4 2.9
4 100 × 4 × ¾ 20	+	+	8.0 3.6
	1 25	5.00 127	7.8 3.5

Size	No. 25 Std.	No. 29T w/ Thd. Branch	Approx. Weight Each
Nominal Size Inches mm	C to E Inches mm	C to E Inches mm	Lbs. kg
4 100 × 4 × 1 ¼ 32	+	+	9.6 4.4
	1 ½ 40	5.00 127	10.2 4.6
	2 50	5.00 127	11.2 5.1
	2 ½ 65	5.00 127	11.4 5.2
	3 80	5.00 127	11.6 5.3
5 125 × 5 × 1 25	+	+	14.0 6.4
	1 ½ 40	+	14.3 6.5
	2 50	5.50 (sw) 140	14.5 6.6
	2 ½ 65	5.50 (sw) 140	15.2 6.9
	3 80	5.50 (sw) 140	16.6 7.5
	4 100	5.50 (sw) 140	16.7 7.6
6 150 × 6 × 1 25	+	+	23.0 10.4
	1 ½ 40	+	24.0 10.9
	2 50	6.50 165	21.6 9.8
	2 ½ 65	6.50 165	21.4 11.7
14 – 24 350 – 600	AGS For AGS fitting information, see publication 20.05		

+ Contact Victaulic for details.

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s".
SW= Segmentally Welded S= Carbon Steel

IMPORTANT NOTE:

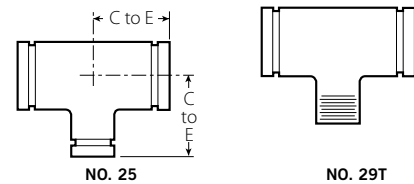
No. 29T Threaded Outlet Reducing Tees are supplied NPT and are available with British Standard threads. For British Standard specify "BSP" clearly on order.

Grooved End Fittings

Reducing Tee

NO. 25 Grooved Branch

NO. 29T Threaded Branch



Size	No. 25 Std.	No. 29T w/ Thd. Branch	Approx. Weight Each
Nominal Size Inches mm	C to E Inches mm	C to E Inches mm	Lbs. kg
6 150 × 6 150 × 3 80	6.50 165	6.50 165	26.5 12.0
	4 100	6.50 165	25.0 11.3
	5 125	6.50 165	23.2 10.5
6½ 165.1 × 6½ 165.1 × 3 80	6.50 165	6.50(sw) 165	24.0 10.9
	4 100	6.50(sw) 165	25.0 11.3
8 200 × 8 200 × 1½ 40	+	+	33.0 15.0
	2 50	7.75 (sw) 197	33.5 15.2
	2½ 65	+	39.0 17.7
	3 80	7.75 (sw) 197	33.6 15.2
	4 100	7.75 197	41.8 19.0
	5 125	7.75 (sw) 197	34.0 15.4
	6 150	7.75 197	42.3 19.2
	165.1	7.75 (sw) 197	48.0 21.8
10 250 × 10 250 × 1½ 40	+	+	62.0 28.1
	2 50	9.00 (sw) 229	62.0 28.1
	2½ 65	+	62.4 28.3
	3 80	+	60.0 27.2
	4 100	9.00 (sw) 229	61.0 27.7
	5 125	9.00 (sw) 229	52.0 23.6
	6 150	9.00 (sw) 229	59.0 26.8
	8 200	9.00 (sw) 229	64.7 29.3

Size	No. 25 Std.	No. 29T w/ Thd. Branch	Approx. Weight Each
Nominal Size Inches mm	C to E Inches mm	C to E Inches mm	Lbs. kg
12 300 × 12 300 × 1 25	+	+	77.0 34.9
	2 50	+	80.0 36.3
	2½ 65	+	78.0 35.4
	3 80	10.00 (sw) 254	82.0 37.2
	4 100	10.00 (sw) 254	80.0 36.3
	5 125	10.00 (sw) 254	75.0 34.0
	6 150	10.00 (sw) 254	75.0 34.0
	8 200	10.00 (sw) 254	80.0 36.3
	10 250	10.00 (sw) 254	84.0 38.1
# 14 350 × 14 350 × 4 100	+	+	102.0 46.3
	6 150	+	108.2 49.1
	8 200	11.00 279	112.0 50.8
	10 300	11.00 279	120.0 54.4
	12 300	11.00 279	129.1 58.6
# 16 400 × 16 400 × 4 100	+	+	130.0 59.0
14 – 24 350 – 600	AGS For AGS fitting information, see publication 20.05		

+ Contact Victaulic for details.

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s".
SW= Segmentally Welded; S= Carbon Steel

IMPORTANT NOTE:

No. 29T Threaded Outlet Reducing Tees are supplied NPT and are available with British Standard threads. For British Standard specify "BSP" clearly on order.

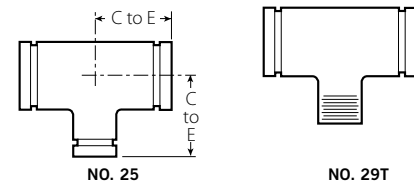
For roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales office.

Grooved End Fittings

Reducing Tee

NO. 25 Grooved Branch

NO. 29T Threaded Branch



Size	No. 25 Std.	No. 29T w/ Thd. Branch	Approx. Weight Each
Nominal Size Inches mm	C to E Inches mm	C to E Inches mm	Lbs. kg
# 16 400 × 16 400 × 6 150	+	+	133.5 60.6
8 200	12.00 305	12.00 305	145.0 65.8
10 250	12.00 305	12.00 305	149.5 67.8
12 300	12.00 305	12.00 305	154.0 69.9
14 350	+	+	167.0 75.8
# 18 450 × 18 450 × 4 100	+	+	194.0 88.0
6 150	+	+	200.0 90.7
8 200	+	+	202.0 91.6
10 250	15.50 394	15.50 394	212.0 96.2
12 300	15.50 394	15.50 394	222.6 101.0
14 350	15.50 394	—	230.1 104.4
16 400	15.50 394	—	247.6 112.3
# 20 500 × 20 500 × 6 150	+	+	240.0 108.9
8 200	+	+	244.0 110.7
10 250	+	+	256.0 116.1
12 300	+	+	264.0 119.8
14 350	17.25 438	—	275.0 124.7

Size	No. 25 Std.	No. 29T w/ Thd. Branch	Approx. Weight Each
Nominal Size Inches mm	C to E Inches mm	C to E Inches mm	Lbs. kg
# 20 500 × 20 500 × 16 400	17.25 438	—	288.6 130.9
18 450	17.25 438	—	297.0 134.7
# 24 600 × 24 600 × 8 200	20.00 508	20.00 508	340.0 154.2
10 250	20.00 508	20.00 508	343.9 156.0
12 300	20.00 508	20.00 508	352.8 160.0
14 § 350	20.00 508	—	360.0 163.3
16 400	20.00 508	—	378.0 171.5
18 § 450	20.00 508	—	380.0 172.4
20 500	20.00 508	—	373.0 169.2
14 – 24 350 – 600	AGS For AGS fitting information, see publication 20.05		

+ Contact Victaulic for details.

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s".
SW= Segmentally Welded S= Carbon Steel

IMPORTANT NOTE:

No. 29T Threaded Outlet Reducing Tees are supplied NPT and are available with British Standard threads. For British Standard specify "BSP" clearly on order.

For roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales office.

§ Cast fitting available. Contact Victaulic for details.

Grooved End Fittings

Cap

NO. 60



NO. 60

Size		No. 60 Cap	
Nominal Size Inches mm	Actual Outside Diameter Inches mm	T Thickness Inches mm	Approx. Weight Each Lbs. kg
¾	1.050	0.88	0.2
20	26.9	22	0.1
1	1.315	0.88	0.3
25	33.7	22	0.1
1 ¼	1.660	0.88	0.3
32	42.4	22	0.1
1 ½	1.900	0.88	0.5
40	48.3	22	0.2
2	2.375	0.88	0.6
50	60.3	22	0.3
2 ½	2.875	0.88	1.0
65	73.0	22	0.5
76.1 mm	3.000	0.88	1.2
	76.1	22	0.5
3	3.500	0.88	1.2
80	88.9	22	0.5
3 ½	4.000	0.88	2.5
90	101.6	22	1.1
108.0 mm	4.250	1.00	2.3
	108.0	25	1.0
4	4.500	1.00	2.5
100	114.3	25	1.1
133.0 mm	5.250	1.00	4.5
	133.0	25	2.0
139.7 mm	5.500	1.00	4.5
	139.7	25	2.0
5	5.563	1.00	4.6
125	141.3	25	2.1
159.0 mm	6.250	1.00	6.8
	159.0	25	3.1
165.1 mm	6.500	1.00	7.3
	165.1	25	3.3

Size		No. 60 Cap	
Nominal Size Inches mm	Actual Outside Diameter Inches mm	T Thickness Inches mm	Approx. Weight Each Lbs. kg
6	6.625	1.00	6.1
150	168.3	25	2.8
8	8.625	1.19	13.1
200	219.1	30	5.9
10	10.750	1.25	21.0
250	273.0	32	9.5
12	12.750	1.25	35.6
300	323.9	32	16.2
14 # (s)	14.000	9.50	*
350	355.6	241	
16 # (s)	16.000	10.00	*
400	406.4	254	
18 # (s)	18.000	11.00	*
450	457.0	279	
20 # (s)	20.000	12.00	*
500	508.0	305	
24 # (s)	24.000	13.50	*
600	610.0	343	
14 – 24 350 – 600	AGS For AGS fitting information, see publication 20.05		

IMPORTANT NOTES:

* Steel dish caps available through 24"/600 mm, contact Victaulic.

No. 60 cap is not suitable for use in vacuum service with Style 72 or 750 couplings. No. 61 bull plugs should be used, see pg. 35.

For roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales office.

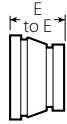
Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s". SW= Segmentally Welded; S= Carbon Steel

Grooved End Fittings

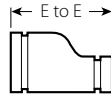
Concentric/Eccentric Reducer

NO. 50 Concentric

NO. 51 Eccentric



NO. 50



NO. 51

Size		No. 50 Concentric Reducer		No. 51 Eccentric Reducer	
Nominal Size Inches mm		E to E Inches mm	Approx. Weight Each Lbs. kg	E to E Inches mm	Approx. Weight Each Lbs. kg
1 1/2 32	× 3/4 20	+	1.9 0.9	—	—
	1 25	+	1.9 0.9	—	—
1 1/2 40	× 3/4 20	+	1.4 0.6	—	—
	1 25	2.50 64	0.8 0.4	8.50 (SW) 216	4.5 2.0
	1 1/4 32	2.50 64	1.0 0.5	—	—
2 50	× 3/4 20	2.50 64	0.9 0.3	9.00 (SW) 229	2.0 0.9
	1 25	2.50 64	0.7 0.3	9.00 (SW) 229	2.3 1.0
	1 1/4 32	2.50 64	1.2 0.5	9.00 (SW) 229	4.6 2.1
	1 1/2 40	3.50 89	1.0 0.5	3.50 89	1.1 0.5
2 1/2 65	× 3/4 20	+	1.3 0.6	+	3.3 1.5
	1 25	2.50 64	1.1 0.5	9.50 241	3.5 1.6
	1 1/4 32	3.50 89	3.3 1.5	3.50 89	1.4 0.6
	1 1/2 40	2.50 64	3.6 1.6	9.50 (SW) 241	3.7 1.7
	2 50	2.50 64	3.9 1.8	3.50 89	4.3 2.0
3 80	× 3/4 20	+	1.5 0.7	+	4.5 2.0
	1 25	2.50 64	1.3 0.6	9.50 (SW) 241	4.8 2.2
	1 1/4 32	2.50 64	1.4 0.6	+	4.8 2.2
	1 1/2 40	2.50 64	5.1 2.3	9.50 (SW) 241	5.1 2.3
	2 50	2.50 64	1.6 0.7	3.50 89	6.0 2.7
	2 1/2 65	2.50 64	1.8 0.8	3.50 89	7.0 3.2
	76.1	2.50 64	2.1 1.0	—	—

Size		No. 50 Concentric Reducer		No. 51 Eccentric Reducer	
Nominal Size Inches mm		E to E Inches mm	Approx. Weight Each Lbs. kg	E to E Inches mm	Approx. Weight Each Lbs. kg
3 1/2 90	× 3 80	2.50 64	2.0 0.9	9.50 (SW) 241	7.0 3.2
4 100	× 1 25	3.00 76	3.0 1.4	13.00 (SW) 330	6.5 2.9
	1 1/4 32	+	4.6 2.1	—	—
	1 1/2 40	3.00 (SW) 76	2.6 1.2	10.00 (SW) 254	8.1 3.7
	2 50	3.00 76	2.4 1.1	4.00 102	3.3 1.5
	2 1/2 65	3.00 76	2.7 1.2	4.00 102	3.4 1.5
	3 80	3.00 76	3.2 1.4	4.00 102	3.5 1.6
	3 1/2 90	3.00 76	2.9 1.3	10.00 (SW) 254	8.0 3.6
5 125	× 2 50	11.00 (SW) 279	9.0 4.1	11.00 (SW) 279	5.2 2.4
	2 1/2 65	4.00 102	4.3 2.0	11.00 (SW) 279	10.8 4.9
	3 80	4.00 102	5.5 2.5	11.00 (SW) 279	11.1 5.0
	4 100	3.50 89	4.3 1.9	5.00 127	12.0 5.4
6 150	× 1 25	4.00 102	5.0 2.3	11.50 (SW) 292	14.5 6.6
	1 1/2 40	+	5.5 2.5	+	+
	2 50	4.00 102	6.6 3.0	11.50 (SW) 292	14.5 6.6
	2 1/2 65	4.00 102	6.4 2.9	11.50 (SW) 292	14.2 6.4
	3 80	4.00 102	6.4 2.9	5.50 140	15.0 6.8
	4 100	4.00 102	6.5 2.9	5.50 140	17.0 7.7
	5 125	4.00 102	6.4 2.9	5.50 140	17.0 7.7
8 200	× 2 1/2 65	16.00 406	7.9 3.6	12.00 (SW) 305	26.1 11.8
	3 80	5.00 127	9.3 4.2	12.00 (SW) 305	22.0 10.0

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s".
SW= Segmentally Welded S= Carbon Steel

Grooved End Fittings

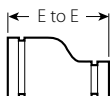
Concentric/Eccentric Reducer

NO. 50 Concentric

NO. 51 Eccentric



NO. 50



NO. 51

Size		No. 50 Concentric Reducer		No. 51 Eccentric Reducer	
Nominal Size Inches mm		E to E Inches mm	Approx. Weight Each Lbs. kg	E to E Inches mm	Approx. Weight Each Lbs. kg
8 200	4 100	5.00 127	10.4 4.8	12.00 (SW) 305	23.0 10.4
	5 125	5.00 127	11.6 5.2	12.00 (SW) 305	23.0 10.4
	6 150	5.00 127	11.9 5.4	6.00 152	24.0 10.9
10 250	4 100	6.00 152	19.7 8.9	13.00 (SW) 330	32.0 14.5
	5 125	+	34.3 15.6	+	34.6 15.7
	6 150	6.00 152	20.0 9.1	13.00 (SW) 330	36.9 16.7
	8 200	6.00 152	22.0 10.0	7.00 178	21.6 9.8
12 300	4 100	+	44.0 20.0	14.00 (SW) 356	48.0 21.8
	6 150	7.00 178	24.6 11.2	14.00 (SW) 356	50.0 22.7
	8 200	7.00 178	52.0 23.6	14.00 (SW) 356	53.5 24.3
	10 250	7.00 178	39.0 17.7	14.00 (SW) 356	57.0 25.9
# 14 350	6 150	13.00 330	65.0 29.5	13.00 330	60.0 27.2
	8 200	13.00 330	65.0 29.5	13.00 330	60.0 27.2
	10 250	13.00 330	66.0 29.9	13.00 330	65.0 29.5
	12 300	13.00 330	68.0 30.8	13.00 330	66.0 29.9
# 16 400	8 200	14.00 356	73.0 33.1	14.00 355	73.0 33.1
	10 S 250	14.00 356	73.0 33.1	14.00 355	73.0 33.1
	12 300	14.00 356	73.0 33.1	14.00 355	73.0 33.1
	14 350	14.00 356	73.0 33.1	14.00 355	73.0 33.1
# 18 450	10 250	15.00 381	91.0 41.3	15.00 381	91.0 41.3

Size		No. 50 Concentric Reducer		No. 51 Eccentric Reducer	
Nominal Size Inches mm		E to E Inches mm	Approx. Weight Each Lbs. kg	E to E Inches mm	Approx. Weight Each Lbs. kg
# 18 450	12 300	15.00 381	91.0 41.3	15.00 381	91.0 41.3
	14 350	15.00 381	91.0 41.3	15.00 381	91.0 41.3
	16 400	15.00 381	91.0 41.3	15.00 381	91.0 41.3
# 20 500	10 250	20.00 508	110.0 49.9	20.00 508	177.0 80.3
	12 300	20.00 508	120.0 54.4	20.00 508	120.0 54.4
	14 350	20.00 508	149.0 67.9	20.00 508	149.0 67.9
	16 400	20.00 508	120.0 54.4	20.00 508	120.0 54.4
	18 450	20.00 508	136.0 61.7	20.00 508	136.0 61.7
	20 500	20.00 508	151.0 68.5	20.00 508	190.0 86.2
14 – 24 350 – 600		AGS For AGS fitting information, see publication 20.05			

+ Contact Victaulic for details.

* Available with male threaded small end No. 52.

Note: All fittings are ductile iron unless otherwise noted with an "sw" or "s".
SW= Segmentally Welded; S= Carbon Steel

IMPORTANT NOTE:

Steel eccentric reducers available through 30"/750mm, contact Victaulic for dimensions.

For roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales office.

§ Cast fitting available for JIS size. Contact Victaulic for details.

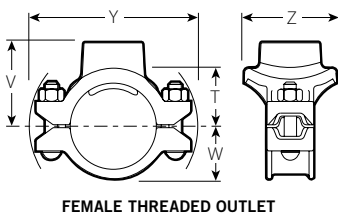
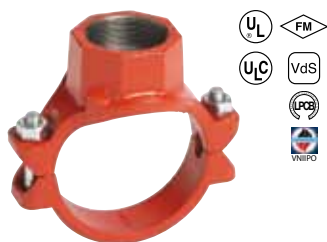
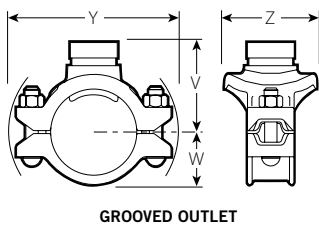
Hole Cut Piping System

Mechanical-T® Bolted Branch Outlet

STYLE 920/920N

Grooved/Female Threaded Outlet

For Complete Information
Request Publication **11.02**



- Provide a direct branch connection at any location where a hole can be cut in the pipe
- A pressure responsive gasket provides the seal
- Pressure rated up to 400 psi/2750 kPa
- Sizes from 2 × ½"/50 × 15 mm through 8 × 4"/200 × 100 mm

Size	Style No.	Max. Work Pressure@	Dimensions – Inches/mm							Approx. Weight Each	
Run × Branch Nominal Size Inches mm	920 or 920N	psi kPa	Hole Diameter +0.13 -0.00	T **	V ±# Threaded	V ± Grooved	W	Y	Z	Female Threaded Lbs. kg	Grooved Lbs. kg
2 50 × ½ (a) □ 15	920N	500 3450	1.50 38.1	2.00 51	2.53 64	—	1.61 41	5.35 136	2.75 70	3.1 1.5	—
	920N	500 3450	1.50 38.1	1.97 50	2.53 64	—	1.61 41	5.35 136	2.75 70	3.1 1.5	—
	920N	500 3450	1.50 38.1	1.85 47	2.53 64	—	1.61 41	5.35 136	2.75 70	3.0 1.4	—
	920N	500 3450	1.75 44.5	2.05 52	2.75 70	3.00 76	1.61 41	5.35 136	3.00 76	3.5 1.7	3.2 1.5
	920N	500 3450	1.75 44.5	2.03 52	2.75 70	3.12 79	1.61 41	5.35 136	3.25 83	3.6 1.7	3.2 1.5
2½ 65 × ½ (a) □ 15	920N	500 3450	1.50 38.1	2.21 56	2.74 70	—	91.82 46	5.64 143	2.75 70	3.0 1.4	—
	920N	500 3450	1.50 38.1	2.18 55	2.74 70	—	1.82 46	5.64 143	2.75 70	3.0 1.4	—
	920N	500 3450	1.50 38.1	2.06 52	2.74 70	—	1.82 46	5.64 143	2.75 70	2.9 1.4	—
	920N	500 3450	1.75 44.5	2.30 58	3.00 76	3.25 83	1.82 46	6.29 160	3.00 76	3.5 1.7	3.2 1.5
	920N	500 3450	2.00 50.8	2.28 58	3.00 76	3.25 83	1.82 46	6.26 159	3.25 83	3.6 1.7	3.3 1.6
76.1 × ½ (a) □ 15	920N	300 2065	1.50 38.1	2.22 56	2.75 70	—	2.25 57	6.46 164	3.18 81	3.9 1.8	—
	920N	300 2065	1.50 38.1	2.19 56	2.75 70	—	2.25 57	6.46 164	3.18 81	3.9 1.8	—
	920N	300 2065	1.50 38.1	2.07 53	2.75 70	—	2.25 57	6.46 164	3.18 81	3.8 1.7	—
	920N	500 3450	1.75 44.5	2.30 58	3.00 76	3.31 84	1.92 49	6.29 160	3.00 76	3.5 1.6	3.2 1.5
	920N	500 3450	2.00 50.8	2.28 58	3.00 76	3.31 84	1.92 49	6.29 160	3.25 83	3.5 1.6	3.3 1.5
3 80 × ½ (a) □ 15	920N	500 3450	1.50 38.1	2.52 64	3.05 78	—	2.28 58	6.15 156	2.75 70	3.4 1.6	—
	920N	500 3450	1.50 38.1	2.49 63	3.05 78	—	2.28 58	6.15 156	2.75 70	3.4 1.6	—
	920N	500 3450	1.50 38.1	2.38 61	3.06 78	—	2.28 58	6.15 156	2.75 70	3.3 1.6	—
	920N	500 3450	1.75 44.5	2.55 65	3.25 83	3.56 90	2.28 58	6.15 156	3.00 76	3.8 1.8	3.7 1.8
	920N	500 3450	2.00 50.8	2.78 71	3.50 89	3.56 90	2.28 58	6.15 156	3.25 83	4.1 1.9	3.8 1.8
3½ 90 × 2 (a) □ 50	920N	500 3450	2.50 63.5	2.75 70	3.50 89	3.56 90	2.28 58	6.75 172	3.88 99	4.9 2.3	4.6 2.1
	920N	500 3450	2.50 63.5	3.00 76	—	3.75 95	2.44 62	6.72 171	3.88 99	—	3.8 1.8
4 100 × ½ (a) □ 15	920N	500 3450	1.50 38.1	3.03 77	3.56 90	—	2.69 68	7.01 178	2.75 70	3.7 1.8	—
	920N	500 3450	1.50 38.1	3.00 76	3.56 90	—	2.69 68	7.01 178	2.75 70	3.7 1.8	—
	920N	500 3450	1.50 38.1	2.88 73	3.56 90	—	2.69 68	7.01 178	2.75 70	3.6 1.8	—
	920N	500 3450	1.75 44.5	3.08 78	3.78 96	4.00 102	2.69 68	7.01 178	3.00 76	4.0 1.9	3.6 1.8
	920N	500 3450	2.00 50.8	3.28 83	4.00 102	4.00 102	2.69 68	7.01 178	3.25 83	4.2 2.0	3.9 1.9
76.1 mm 2 (a) □ 50	920N	500 3450	2.50 63.5	3.25 83	4.00 102	4.00 102	2.69 68	7.01 178	3.88 99	5.0 2.3	4.6 2.1
	920	500 3450	2.75 69.9	2.88 73	4.00 102	4.00 102	2.69 68	7.34 186	4.63 118	5.8 2.6	5.0 2.3
	920	500 3450	2.75 69.9	2.88 73	—	4.00 102	2.69 68	7.34 186	4.63 118	—	6.4 2.9
	920	500 3450	3.50 88.9	3.31 84	4.50 114	4.12 105	2.69 68	7.73 196	5.12 130	8.4 3.8	6.4 2.9

TABLE CONTINUED ON PG. 6-3, SEE FOOTNOTES ON PG. 6-4

IMPORTANT NOTES:

Style 920 and Style 920N housings cannot be mated to one another to achieve cross connections.



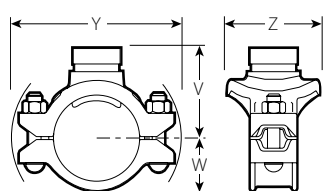
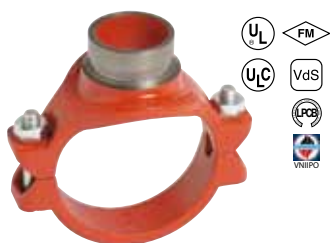
Hole Cut Piping System

Mechanical-T® Bolted Branch Outlet (cont'd)

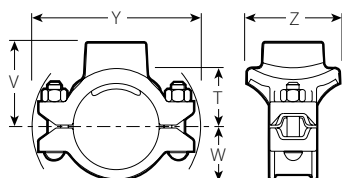
STYLE 920/920N

Grooved/Female Threaded Outlet

For Complete Information
Request Publication **11.02**



GROOVED OUTLET



FEMALE THREADED OUTLET

- Provide a direct branch connection at any location where a hole can be cut in the pipe
- A pressure responsive gasket provides the seal
- Pressure rated up to 400 psi/2750 kPa
- Sizes from 2×½"/50×15mm through 8×4"/200×100mm

IMPORTANT NOTES:

Style 920 and Style 920N housings cannot be mated to one another to achieve cross connections.

Size		Style No.	Max. Work Pressure@	Dimensions – Inches/mm							Approx. Weight Each	
Run × Branch Nominal Size Inches mm		920 or 920N	psi kPa	Hole Diameter +0.13 -0.00	T **	V ‡# Threaded	V ‡ Grooved	W	Y	Z	Female Threaded Lbs. kg	Grooved Lbs. kg
TABLE CONTINUED FROM PG. 6-2												
108.0	× 1 ¼ (a) 32	920N	500 3450	1.75 44.5	3.08 78	3.78 96	—	2.63 67	7.64 194	3.05 78	5.0 2.3	—
	1 ½ (a) 40	920N	500 3450	2.00 50.8	3.28 83	4.00 102	—	2.63 67	7.64 194	3.25 83	5.0 2.3	—
	2 (a) 50	920N	500 3450	2.50 63.5	3.25 83	4.00 102	—	2.63 67	7.64 194	4.00 102	4.0 1.9	—
	76.1 mm	920	500 3450	2.75 69.9	2.88 73	4.00 102	4.00 102	2.63 67	7.64 194	4.29 109	8.0 3.6	7.8 3.5
	3 (a) 80	920	500 3450	3.50 88.9	3.31 84	4.50 114	4.50 114	2.63 67	7.63 194	4.88 124	6.8 3.1	6.5 3.0
5 125	× 1 ½ (a) 40	920	500 3450	2.00 50.8	4.03 102	4.75 121	4.75 121	3.16 80	9.70 246	3.69 94	7.4 3.4	7.6 3.4
	2 (a) 50	920	500 3450	2.50 63.5	4.00 102	4.75 121	4.75 121	3.16 80	9.70 246	4.38 111	8.2 3.7	8.0 3.6
	2 ½ (a) 65	920	500 3450	2.75 69.9	3.63 92	4.75 121	4.75 121	3.16 80	9.70 246	4.63 118	8.3 3.8	7.9 3.6
	76.1 mm 32	920	500 3450	2.75 69.9	3.75 95	—	4.75 121	3.16 80	9.70 246	4.63 118	—	8.0 3.6
	3 (a) 80	920	500 3450	3.50 88.9	3.81 97	5.00 127	4.63 118	3.16 80	9.70 246	5.31 135	8.4 3.8	8.8 4.0
133.0	× 2 50	920N	500 3450	2.50 63.5	3.75 95	4.50 114	—	3.17 81	8.00 203	3.88 99	8.0 3.6	—
	3 80	920	500 3450	3.50 88.9	3.81 97	5.00 127	—	3.00 76	9.46 240	5.31 135	8.0 3.6	—
139.7	× 1 ½ 40	920N	500 3450	2.00 50.8	3.78 96	4.50 114	—	3.30 84	8.23 209	3.25 83	7.0 3.2	—
	2 50	920N	500 3450	2.50 63.5	3.75 95	4.50 114	—	3.30 84	8.23 209	3.88 99	9.0 4.1	—
6 150	× 1 ¼ (a) 32 (b)	920N	500 3450	1.75 44.5	4.43 112	5.13 130	5.13 130	3.79 96	9.15 232	3.25 83	5.1 2.3	4.8 2.2
	1 ½ (a) 40 (b)	920N	500 3450	2.00 50.8	4.40 112	5.13 130	5.13 130	3.79 96	9.15 232	3.25 83	5.4 2.4	5.1 2.3
	2 (a) 50	920N	500 3450	2.50 63.5	4.38 111	5.13 130	5.13 130	3.79 96	9.15 232	3.88 99	6.0 2.7	5.6 2.5
	76.1 mm 32	920	500 3450	2.75 69.9	4.15 105	—	5.21 132	3.69 94	10.51 267	4.63 118	—	8.4 3.8
	3 (a) 80	920	500 3450	3.50 88.9	4.31 110	5.50 140	5.13 130	3.69 94	10.51 267	5.31 135	9.9 4.5	8.4 3.8
	4 (a) 100	920	500 3450	4.50 114.3	3.81 97	5.75 146	5.38 137	3.69 94	10.51 267	6.25 159	10.1 4.6	10.1 4.6
159.0	× 1 ½ (a) 40	920N	500 3450	2.00 50.8	4.41 112	5.13 130	—	3.63 92	9.40 239	3.25 83	7.8 3.5	—
	2 (a) 50	920N	500 3450	2.50 63.5	4.38 111	5.13 130	—	3.63 92	9.40 239	3.88 99	8.0 3.6	—
	76.1 mm	920	500 3450	2.75 69.9	4.38 111	5.50 140	5.13 130	3.63 92	9.40 239	4.63 118	9.5 4.3	9.5 4.3
	3 80	920	500 3450	3.50 88.9	4.31 110	5.50 140	5.13 130	3.63 92	9.40 239	5.31 135	8.1 3.7	14.0 6.4
	108.0mm	920	500 3450	4.50 114.3	4.45 113	—	5.38 137	3.63 92	9.40 239	6.12 155	—	10.0 4.5
	4 100	920	500 3450	4.50 114.3	3.81 96.80	5.75 146	—	3.63 92	9.40 239	6.25 159	18.0 8.2	—
165.1	× 1 25	920N	500 3450	1.50 38.1	3.88 99	4.56 116	—	3.79 96	9.34 237	2.75 70	8.0 3.6	—
	1 ¼ 32	920N	500 3450	1.75 44.5	4.43 113	5.13 130	—	3.79 96	9.34 237	3.25 83	8.4 3.8	—
	1 ½ (a) 40	920N	500 3450	2.00 50.8	4.41 112	5.13 130	5.13 130	3.79 96	9.34 237	3.25 83	8.4 3.8	5.4 2.4
TABLE CONTINUED ON PG. 6-4. SEE FOOTNOTES ON PG. 6-4												

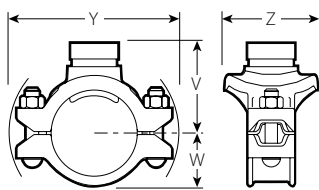
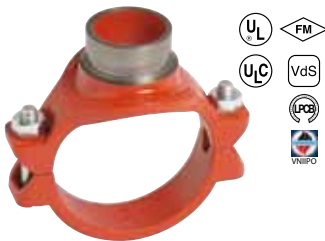
Hole Cut Piping System

Mechanical-T® Bolted Branch Outlet (cont'd)

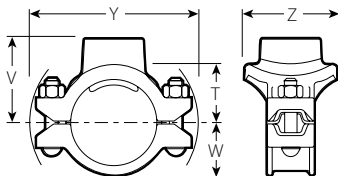
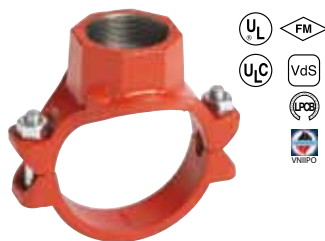
STYLE 920/920N

Grooved/Female Threaded Outlet

For Complete Information
Request Publication **11.02**



GROOVED OUTLET



FEMALE THREADED OUTLET

- Provide a direct branch connection at any location where a hole can be cut in the pipe
- A pressure responsive gasket provides the seal
- Pressure rated up to 400 psi/2750 kPa
- Sizes from 2 × ½"/50 × 15 mm through 8 × 4"/200 × 100 mm

IMPORTANT NOTES:

Style 920 and Style 920N housings cannot be mated to one another to achieve cross connections.

Size	Style No.	Max. Work Pressure@	Dimensions – Inches/mm							Approx. Weight Each		
Run × Branch Nominal Size Inches mm	920 or 920N	psi kPa	Hole Diameter +0.13 -0.00	T **	V †# Threaded	V † Grooved	W	Y	Z	Female Threaded Lbs. kg	Grooved Lbs. kg	
TABLE CONTINUED FROM PG. 6-3												
165.1 ×	2 (a) † 50	920N	500 3450	2.50 63.5	4.38 111	5.13 130	5.13 130	3.79 96	9.34 237	3.88 99	8.5 3.9	6.0 2.7
	76.1 mm	920	500 3450	2.75 69.9	4.01 110	5.13 130	5.21 132	3.63 92	10.51 267	4.63 118	8.6 3.9	7.6 3.4
	3 (a) †* 80	920	500 3450	3.50 88.9	4.31 110	5.50 140	5.13 130	3.63 92	10.51 267	5.31 135	10.2 4.6	8.4 3.8
	4 (a) †± 100	920	500 3450	4.50 114.3	3.81 97	5.75 146	5.38 137	3.63 92	10.51 267	6.25 159	10.5 4.8	8.4 3.8
8 200 ×	2 (a) † 50	920	500 3450	2.75 69.9	5.44 138	6.19 157	6.25 159	4.81 122	12.42 316	4.50 114	11.6 5.3	11.6 5.3
	2½ (a) † 65	920	500 3450	2.75 69.9	5.07 129	6.19 157	6.19 157	4.81 122	12.42 316	4.50 114	11.6 5.3	11.6 5.3
	76.1 mm □	920	500 3450	2.75 69.9	5.25 133	—	6.25 159	4.81 122	12.42 316	4.56 116	—	11.6 5.3
	3 (a) †± 80	920	500 3450	3.50 88.9	5.31 135	6.50 165	6.50 165	4.81 122	12.42 316	5.31 135	12.6 5.7	11.6 5.3
	4 (a) †± 100	920	500 3450	4.50 114.3	4.81 122	6.75 171	6.38 162	4.81 122	12.42 316	6.25 159	15.3 6.9	12.5 5.7

** Center of run to engaged pipe end, female threaded outlet only (dimensions approximate).

† Available with grooved or female threaded outlet. Specify choice on order.

‡ Center of run to end of fitting.

Female threaded outlets are available to NPT and BSPT specifications.

@ These pressure ratings are general guidelines. Please consult Publication 10.01 for specific pressure ratings by type of pipe and regulatory agency.

(a) British Standard female pipe threaded outlet is available as listed. Specify "BSPT" clearly on order.

(b) For 76.1 mm threaded outlet, specify 2½" BSPT clearly on order.

§ VdS approved for fire protection services. Consult publication 10.01 for additional information.

□ LPCB approved for fire protection services. Consult publication 10.01 for additional information.

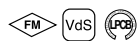
* Approved for use in China by Tianjin Approvals Company.

Hole Cut Piping System

FireLock® Low-Profile
Sprinkler Tee - EMEA
only

STYLE 912

For Complete Information
Request Publication **10.53**

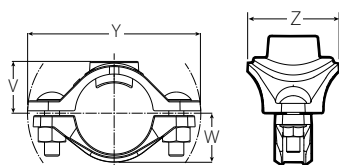


- provides 1/2"/15 mm outlet for connecting sprinklers
- FM Approved for 300 psi/ 2068 kPa
- LPCB and VdS approved for 20 bar/232 psi
- Available in EMEA only
- Sizes from 1 - 1 1/2"/25 - 40mm
- To be used for sprinklers only

Nominal Size (inches) Actual (mm)			Hole Diameter					Approximate Weight Each
Run x Branch FPT†			+0.06/+1.5 -0.00/-0.0	V	W	Y	Z	lbs/kg
1	x	1/2	15/16	1.00	0.90	3.72	1.50	0.67
33.7		21.3	24.0	25.4	22.9	94.6	38.1	0.30
1 1/4	x	1/2	15/16	1.17	1.10	4.12	1.50	0.74
42.4		21.3	24.0	29.8	27.9	104.7	38.1	0.33
1 1/2	x	1/2	15/16	1.29	1.22	4.32	1.50	0.76
48.3		21.3	24.0	32.8	31.0	109.8	38.1	0.34

† Victaulic female threaded products are designed to accommodate standard NPT or BSPT (optional) male pipe threads only. Use of male threaded products with special features, such as probes, dry pendent sprinklers, etc., should be verified as suitable for use with this Victaulic product. Failure to verify suitability in advance may result in assembly problems or leakage.

* Center of run to engaged pipe end for NPT threads (dimensions are approximate).



Hole Cut Piping System

FireLock® Outlet-T

STYLE 922

For Complete Information
Request Publication **10.52**

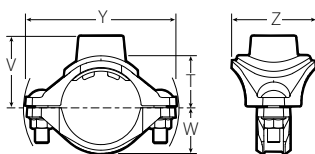


- Incorporates ½–1" / 10–25 mm outlets for directly connecting sprinklers, drop nipples, sprigs, gauges, drains and other outlet products
- UL/ULC Listed, LPCB, VdS/FM Approved for branch connections on wet and dry systems
- Style 922 FireLock Outlet-Ts are not approved for cross configurations
- Pressure rated up to 300 psi/2065 kPa and rated up to 230 psi/16 Bar at the ambient temperatures typical for fire protection systems
- Sizes from 1¼ × ½" / 32 × 15 mm through 2½ × 1" / 76.1 × 25 mm

Size Run × Branch Female Pipe Threads†	Hole Diameter	Dimensions – Inches/mm						Approx. Wgt. Each
		Nominal Size Inches mm	T *	V	W	Y	Z	
1 ¼ 32 × ½ 15	1 ¾ 30.2	1 ¾ 30.2	1.30 33.0	1.83 46.5	1.10 27.9	3.87 98.3	2.56 65.0	1.0 0.45
		¾ 20	1.28 32.5	1.83 46.5	1.10 27.9	3.87 98.3	2.56 65.0	1.1 0.50
		1 25	1.52 38.6	2.18 55.4	1.10 27.9	3.87 98.3	2.56 65.0	1.2 0.54
1 ½ 40 × ½ 15	1 ¾ 30.2	1 ¾ 30.2	1.42 36.1	1.95 49.5	1.22 31.0	4.08 103.6	2.56 65.0	1.2 0.54
		¾ 20	1.40 35.6	1.95 49.5	1.22 31.0	4.08 103.6	2.56 65.0	1.2 0.54
		1 25	1.64 41.7	2.30 58.4	1.22 31.0	4.08 103.6	2.56 65.0	1.3 0.59
2 50 × ½ 15	1 ¾ 30.2	1 ¾ 30.2	1.66 42.2	2.19 55.6	1.46 37.1	4.60 116.8	2.56 65.0	1.3 0.59
		¾ 20	1.64 41.7	2.19 55.6	1.46 37.1	4.60 116.8	2.56 65.0	1.4 0.64
		1 25	1.88 47.8	2.54 64.5	1.46 37.1	4.60 116.8	2.56 65.0	1.5 0.68
2 ½ 65 × ½ 15	1 ¾ 30.2	1 ¾ 30.2	1.91 48.5	2.44 62.0	1.71 43.4	5.40 137.2	2.56 65.0	1.6 0.73
		¾ 20	1.89 48.0	2.44 62.0	1.71 43.4	5.40 137.2	2.56 65.0	1.6 0.73
		1 25	2.13 54.1	2.79 70.9	1.71 43.4	5.40 137.2	2.56 65.0	1.6 0.73
76.1 mm × ½ 15	1 ¾ 30.2	1 ¾ 30.2	1.91 48.5	2.44 62.0	1.71 43.4	5.50 139.7	2.56 65.0	1.6 0.73
		¾ 20	1.89 48.0	2.44 62.0	1.71 43.4	5.50 139.7	2.56 65.0	1.6 0.73
		1 25	2.13 54.1	2.79 70.9	1.71 43.4	5.50 139.7	2.56 65.0	1.7 0.80

† Victaulic female threaded products are designed to accommodate standard NPT or BSPT (optional) male pipe threads only. Use of male threaded products with special features, such as probes, dry pendent sprinklers, etc., should be verified as suitable for use with this Victaulic product. Failure to verify suitability in advance may result in assembly problems or leakage.

* Center of run to engaged pipe end for NPT threads (dimensions are approximate).



TYPICAL FOR ALL SIZES