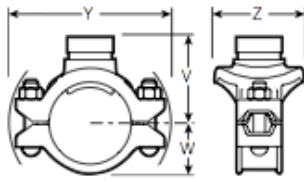


Mechanical-T Bolted Branch Outlet

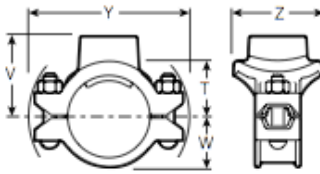
STYLE 920/920N

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 x 1/2"/50 x 15 mm through 8 x 4"/200 x 100 mm

Size	Style No.	Max. Work Pressure ^①	Dimensions							Approx. Weight Each				
			Run x Branch Nominal Size Inches mm	920 or 920N	psi kPa	Hole Diameter +0.13 -0.00	T ** Inches mm	V ±# Threaded Inches mm	V † Grooved Inches mm	W Inches mm	Y Inches mm	Z Inches mm	Female Threaded Lbs. kg	Grooved Lbs. kg
2 50	x	1/2 (a) # 15	920N	400 2750	1.50 38.1	2.00 51	2.53 64	—	1.61 41	5.35 136	2.75 70	3.1 1.5	—	
			920N	400 2750	1.50 38.1	1.97 50	2.53 64	—	1.61 41	5.35 136	2.75 70	3.1 1.5	—	
	1 (a) # 25	920N	400 2750	1.50 38.1	1.85 47	2.53 64	—	1.61 41	5.35 136	2.75 70	3.0 1.4	—		
		920N	400 2750	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	400 2750	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		
2 1/2 65	x	1/2 (a) # 15	920N	400 2750	1.50 38.1	2.21 56	2.74 70	—	91.82 46	5.64 143	2.75 70	3.0 1.4	—	
			920N	400 2750	1.50 38.1	2.18 55	2.74 70	—	1.82 46	5.64 143	2.75 70	3.0 1.4	—	
	1 (a) # 25	920N	400 2750	1.50 38.1	2.06 52	2.74 70	—	1.82 46	5.64 143	2.75 70	2.9 1.4	—		
		920N	400 2750	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	400 2750	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	x	1/2 (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	—	
	1 (a) # 25	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	400 2750	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	400 2750	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	x	1/2 (a) # 15	920N	400 2750	1.50 38.1	2.52 64	3.05 78	—	2.28 58	6.15 156	2.75 70	3.4 1.6	—	
			920N	400 2750	1.50 38.1	2.49 63	3.05 78	—	2.28 58	6.15 156	2.75 70	3.4 1.6	—	
	1 (a) # 25	920N	400 2750	1.50 38.1	2.38 61	3.06 78	—	2.28 58	6.15 156	2.75 70	3.3 1.6	—		
		920N	400 2750	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	400 2750	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		
3 1/2 90	x	2 (a) # 50	920N	400 2750	2.50 63.5	—	—	—	3.75 95	2.44 62	6.72 171	3.88 99	—	3.8 1.8
			920N	400 2750	2.50 63.5	—	—	—	3.75 95	2.44 62	6.72 171	3.88 99	—	3.8 1.8
	4 100	x	1/2 (a) # 15	920N	400 2750	1.50 38.1	3.03 77	3.56 90	—	2.69 68	7.01 178	2.75 70	3.7 1.8	—
				920N	400 2750	1.50 38.1	3.00 76	3.56 90	—	2.69 68	7.01 178	2.75 70	3.7 1.8	—
		920N	400 2750	1.50 38.1	2.88 73	3.56 90	—	2.69 68	7.01 178	2.75 70	3.6 1.8	—		
4 100	x	3/4 (a) # 20	920N	400 2750	1.50 38.1	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	400 2750	1.75 44.5	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	
	2 (a) # 50	920N	400 2750	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	400 2750	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	400 2750	2.75 69.9	—	—	4.00 102	2.69 68	7.34 186	4.63 118	—	6.4 2.9		
3 (a) # 80	x	3 (a) # 80	920	400 2750	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. 6-5

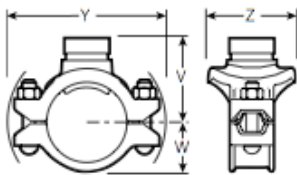
IMPORTANT NOTES:

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

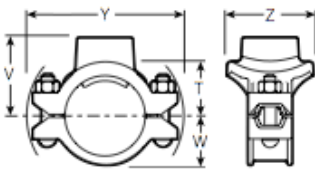
Mechanical-T Bolted Branch Outlet (cont'd)

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/2750kPa
- Sizes from 2 x 1/2"/50 x 15mm through 8 x 4"/200 x 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 Φ	Dimensions							Approx. Weight Each			
			Run x Branch Nominal Size Inches mm	920 or 920N	psi kPa	Hole Diameter +0.13 -0.00	T ** Inches mm	V \pm # Threaded Inches mm	V \pm Grooved Inches mm	W Inches mm	Y Inches mm	Z Inches mm	Female Threaded Lbs. kg
TABLE CONTINUED FROM PG. 5-2													
108.0 x	1 1/4 (a) \pm 32	920N	400 2750	1.75 44.5	3.08 78	3.78 96	—	2.63 67	7.64 194	3.05 78	5.0 2.3	—	
	1 1/2 (a) \pm 40	920N	400 2750	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	400 2750	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	400 2750	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	—	
	3 (a) 80	920	400 2750	3.50 88.9	3.31 84	4.50 114	—	2.63 67	7.63 194	4.88 124	6.8 3.1	6.5 3.0	
	5 125 x	1 1/2 (a) \pm 40	920	400 2750	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) \pm 50	920	400 2750	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 1/2 (a) \pm 65	920	400 2750	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 \pm	920	400 2750	2.75 69.9	—	—	4.75 121	3.16 80	9.70 246	4.63 118	—	8.0 3.6
		3 (a) \pm 80	920	400 2750	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 x	2 50	920N	400 2750	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	400 2750	3.50 88.9	3.81 97	5.00 127	—	3.00 76	9.46 240	5.31 135	8.0 3.6	—	
	1 1/2 \pm 40	920N	400 2750	2.00 50.8	3.78 96	4.50 114	—	3.30 84	8.23 209	3.25 83	7.0 3.2	—	
139.7 x	2 \pm 50	920N	400 2750	2.50 63.5	3.75 95	4.50 114	—	3.30 84	8.23 209	3.88 99	9.0 4.1	—	
	76.1 mm	920	400 2750	2.75 69.9	3.63 92	4.75 121	—	3.13 80	9.85 250	4.63 118	8.8 4.0	—	
	76.1 mm	920	400 2750	3.50 88.9	—	—	4.63 118	3.16 80	9.70 246	5.31 135	—	11.0 5.0	
	3 88.9	920	400 2750	3.50 88.9	3.81 96.80	5.00 127	4.63 118	3.16 80	9.85 250	5.38 137	14.0 6.4	14.2 6.4	
	6 150 x	1 1/4 (a) 32 (b)	920N	400 2750	1.75 44.5	4.43 112	—	—	3.79 96	9.15 232	3.25 83	—	4.8 2.2
1 1/2 (a) \pm 40 (b)		920N	400 2750	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) \pm 50		920N	400 2750	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	
2 1/2 (a) \pm 65		920	400 2750	2.75 69.9	4.01 110	5.13 130	5.12 130	3.69 94	10.51 267	4.63 118	8.3 3.8	7.6 3.4	
76.1 mm \pm		920	400 2750	2.75 69.9	—	—	5.21 132	3.69 94	10.51 267	4.63 118	—	8.4 3.8	
3 (a) \pm 80		920	300 2065	3.50 88.9	4.31 110	5.50 \pm 140	5.13 130	3.69 94	10.51 267	5.31 135	9.9 4.5	8.4 3.8	
4 (a) \pm 100		920	300 2065	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 x		1 1/4 32	920N	400 2750	1.75 44.5	4.43 113	5.13 130	—	3.63 92	9.40 239	3.25 83	9.0 4.1	8.7 4.0
	1 1/2 (a) 40	920N	400 2750	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	400 2750	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	400 2750	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	400 2750	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	
	108.1 mm	920	400 2750	4.50 114.3	—	—	5.38 137	3.63 92	9.40 239	6.12 155	—	10.0 4.5	
	4 100	920	400 2750	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 x	1 25	920N	400 2750	1.50 38.1	3.88 99	4.56 116	—	3.79 96	9.34 237	2.75 70	8.0 3.6	—
1 1/4 \pm 32		920N	400 2750	1.75 44.5	4.43 113	5.13 130	—	3.79 96	9.34 237	3.25 83	8.4 3.8	—	
1 1/2 (a) \pm 40		920N	400 2750	2.00 50.8	4.41 112	5.13 130	—	3.79 96	9.34 237	3.25 83	8.4 3.8	—	

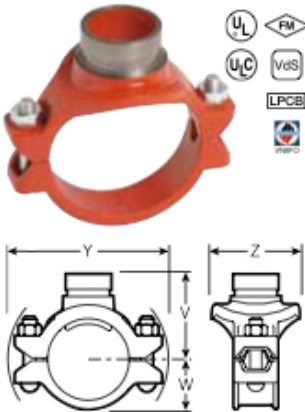
TABLE CONTINUED ON PG. 6-4, SEE FOOTNOTES ON PG. 6-5

Mechanical-T Bolted Branch Outlet (cont'd)

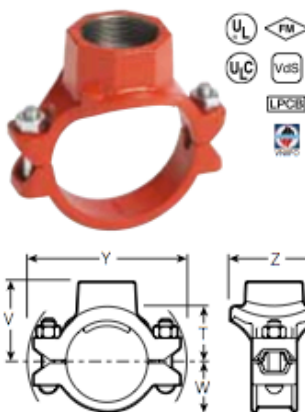
STYLE 920/920N

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 400psi/2750 kPa
- Sizes from 2 x 1/2"/50 x 15 mm through 8 x 4"/200 x 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							Approx. Weight Each		
			Run x Branch Nominal Size Inches mm	920 or 920N	psi kPa	Hole Diameter +0.13 -0.00	T ** Inches mm	V † Threaded Inches mm	V † Grooved Inches mm	W Inches mm	Y Inches mm	Z Inches mm
TABLE CONTINUED FROM PG. 5-3												
165.1 x	2 (a) † 50	920N	400 2750	2.50 63.5	4.38 111	5.13 ‡ 130	—	3.79 96	9.34 237	3.88 99	8.5 3.9	—
	2 1/2 † ‡ 65	920	400 2750	2.75 69.9	4.01 110	5.13 130	—	3.63 92	10.51 267	4.63 118	8.6 3.9	7.6 3.4
	76.1 mm	920	400 2750	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	400 2750	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	400 2750	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 x 200	2 (a) † 50	920	400 2750	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
	2 1/2 (a) † 65	920	400 2750	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	400 2750	2.75 69.9	—	—	6.25 ‡ 159	4.81 122	12.42 316	4.56 116	—	11.6 5.3
	3 (a) † ‡ 80	920	300 2065	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	300 2065	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.

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

(b) For 76.1 mm threaded outlet, specify 2 1/2" BSPT clearly on order.

§ VdS approved for fire protection services.

‡ LPCB approved for fire protection services.

* Approved for use in China by Tianjin Approvals Company.

Mechanical-T Bolted Branch Outlet

STYLE 920 CROSS

For Complete Information
Request Publication 11.03

Mechanical-T Cross assemblies can be achieved with the use of two Style 920 or 920N of the same run size and the same or differing outlet size. Most sizes of Mechanical-T are available with either grooved or female threaded outlets. Your choice must be specified on each order.

NOTE: Style 920 and Style 920N housings cannot be mated to achieve cross connections.

