

## Style 302

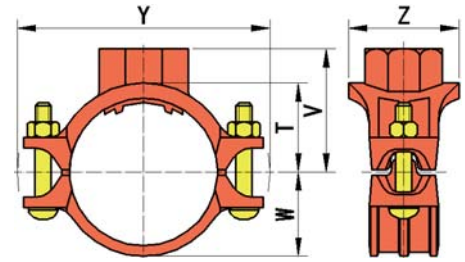
### Mechanical Tee

Publication: 03.01EN

Style 302 Mechanical Tee with thread outlet provides a direct branch connection at any location where a hole can be cut in the pipe. Gasket is a pressure responsive design which provides the seal.

Style 304 assemblies can be achieved with the use of two Style 302 of same run size and the same or differing outlet size. Style 305 can be achieved with the use of one Style 302 outlet parts and one Style 301 outlet parts.

OD	Work Pressure	Hole Size	W	Y	Z	T	V	Bolts Size	Approx. Wt. Ea.
Inches mm	Psi bar	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Lbs. kg
2x1	300	1.50	1.42	5.47	2.72	1.73	2.48	½x2½	2.2
60.3x33.7	20.7	38.1	36	139	69	44	63	M12x60	1.0
2x1½	300	1.75	1.42	5.47	2.95	1.81	2.64	½x2½	2.4
60.3x42.4	20.7	44.5	36	139	75	46	67	M12x60	1.1
2x1½	300	1.75	1.42	5.47	3.27	1.81	2.64	½x2½	2.6
60.3x48.3	20.7	44.5	36	139	83	46	67	M12x60	1.2
2½x1	300	1.50	1.69	6.02	2.72	1.97	2.72	½x3	2.4
73.0x33.7	20.7	38.1	43	153	69	50	69	M12x75	1.1
2½x1½	300	1.75	1.69	6.02	2.95	2.01	2.83	½x3	2.6
73.0x42.4	20.7	44.5	43	153	75	51	72	M12x75	1.2
2½x1½	300	2.00	1.69	6.02	3.27	2.01	2.83	½x3	2.9
73.0x48.3	20.7	50.8	43	153	83	51	72	M12x75	1.3
2½x2	300	2.00	1.69	6.02	3.27	2.13	2.91	½x3	3.1
73.0x60.3	20.7	50.8	43	153	83	54	74	M12x75	1.4
30Dx1	300	1.50	1.77	6.14	2.72	1.85	2.60	½x3	2.4
76.1x33.7	20.7	38.1	45	156	69	47	66	M12x75	1.1
30Dx1½	300	1.75	1.77	6.14	2.95	1.89	2.72	½x3	2.6
76.1x42.4	20.7	44.5	45	156	75	48	69	M12x75	1.2
30Dx1½	300	2.00	1.77	6.14	3.27	1.89	2.72	½x3	2.9
76.1x48.3	20.7	50.8	45	156	83	48	69	M12x75	1.3
30Dx2	300	2.50	1.77	6.14	3.78	2.01	2.99	½x3	3.1
76.1x60.3	20.7	63.5	45	156	96	51	76	M12x75	1.4
3x1	300	1.50	2.01	6.54	2.72	2.13	2.87	½x3	2.6
88.9x33.7	20.7	38.1	51	166	69	54	73	M12x75	1.2
3x1½	300	1.75	2.01	6.54	2.95	2.13	2.95	½x3	2.9
88.9x42.4	20.7	44.5	51	166	75	54	75	M12x75	1.3
3x1½	300	2.00	2.01	6.54	3.27	2.13	2.95	½x3	3.1
88.9x48.3	20.7	50.8	51	166	83	54	75	M12x75	1.4
3x2	300	2.50	2.01	6.54	3.74	2.13	3.11	½x3	3.3
88.9x60.3	20.7	63.5	51	166	95	54	79	M12x75	1.5
4x1	300	1.50	2.52	7.52	2.72	2.68	3.43	½x3	3.3
114.3x33.7	20.7	38.1	64	191	69	68	87	M12x75	1.5
4x1½	300	1.75	2.52	7.52	2.95	2.68	3.50	½x3	3.5
114.3x42.4	20.7	44.5	64	191	75	68	89	M12x75	1.6
4x1½	300	2.00	2.52	7.52	3.27	2.68	3.50	½x3	3.7
114.3x48.3	20.7	50.8	64	191	83	68	89	M12x75	1.7
4x2	300	2.50	2.52	7.52	3.74	2.68	3.66	½x3	4.2
114.3x60.3	20.7	63.5	64	191	95	68	93	M12x75	1.9
4x2½	300	2.75	2.52	7.52	4.02	2.64	3.82	½x3	4.6
114.3x73.0	20.7	69.9	64	191	102	67	97	M12x75	2.1
4x30D	300	2.75	2.52	7.52	4.02	2.64	3.82	½x3	4.6
114.3x76.1	20.7	69.9	64	191	102	67	97	M12x75	2.1
4x3	300	3.50	2.52	7.52	4.80	2.64	3.94	½x3	5.3
114.3x88.9	20.7	88.9	64	191	122	67	100	M12x75	2.4



- Style 302 is Mechanical Tee with female threaded outlet. Male threaded also available upon request.
- UL listed and FM approved is 300psi (21Bar).
- 10" and larger, Reducing Tee is recommended to use.
- For correct installation, Please refer to page 91 "General of Installation" and publication AZ-100-EN of "Installation Manual".
- For Hole cutting requirement please refer to page 44, Tightening Torque for Bolts and nuts is 50±4 lbs.ft (68±5 N.m)
- For ONE TIME FIELD TEST ONLY, The Max. Joint working pressure may be increased to 1.5 times the figures shown.

LPC Approval refer to page 13.



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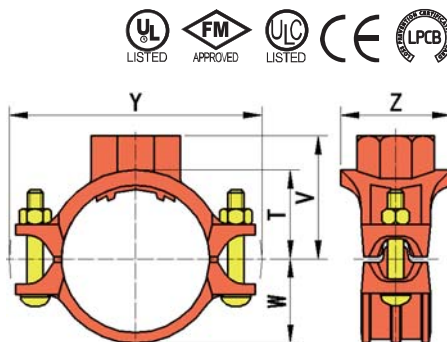
## Style 302 CONT'D

### Mechanical Tee

Publication: 03.01EN

Style 302 Mechanical Tee with thread outlet provides a direct branch connection at any location where a hole can be cut in the pipe. Gasket is a pressure responsive design which provides the seal.

Style 304 assemblies can be achieved with the use of two Style 302 of same run size and the same or differing outlet size. Style 305 can be achieved with the use of one Style 302 outlet parts and one Style 301 outlet parts.



OD	Work Pressure	Hole Size	W	Y	Z	T	V	Bolts Size	Approx. Wt. Ea.
Inches mm	Psi bar	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Lbs. kg
5½ODx1	300	1.50	3.07	9.21	2.72	3.31	4.06	¾x3½	4.6
139.7x33.7	20.7	38.1	78	234	69	84	103	M16x90	2.1
5½ODx1¼	300	1.75	3.07	9.21	2.95	3.43	4.25	¾x3½	4.8
139.7x42.4	20.7	44.5	78	234	75	87	108	M16x90	2.2
5½ODx1½	300	2.00	3.07	9.21	3.27	3.43	4.25	¾x3½	5.1
139.7x48.3	20.7	50.8	78	234	83	87	108	M16x90	2.3
5½ODx2	300	2.50	3.07	9.21	3.74	3.31	4.33	¾x3½	5.5
139.7x60.3	20.7	63.5	78	234	95	84	110	M16x90	2.5
5½ODx3OD	300	2.75	3.07	9.21	4.02	3.35	4.53	¾x3½	6.4
139.7x76.1	20.7	69.9	78	234	102	85	115	M16x90	2.9
5½ODx3	300	3.50	3.07	9.21	4.80	3.43	4.72	¾x3½	6.6
139.7x88.9	20.7	88.9	78	234	122	87	120	M16x90	3.0
5x1	300	1.50	3.11	9.25	2.72	3.31	4.37	¾x3½	4.6
141.3x33.7	20.7	38.1	79	235	69	84	111	M16x90	2.1
5x1¼	300	1.75	3.11	9.25	2.95	3.35	4.37	¾x3½	4.8
141.3x42.4	20.7	44.5	79	235	75	85	111	M16x90	2.2
5x1½	300	2.00	3.11	9.25	3.27	3.35	4.37	¾x3½	5.1
141.3x48.3	20.7	50.8	79	235	83	85	111	M16x90	2.3
5x2	300	2.50	3.11	9.25	3.74	3.31	4.37	¾x3½	5.5
141.3x60.3	20.7	63.5	79	235	95	84	111	M16x90	2.5
5x2½	300	2.75	3.11	9.25	4.02	3.31	4.41	¾x3½	6.2
141.3x73.0	20.7	69.9	79	235	102	84	112	M16x90	2.8
5x3	300	3.50	3.11	9.25	4.80	3.35	4.41	¾x3½	6.8
141.3x88.9	20.7	88.9	79	235	122	85	112	M16x90	3.1
6½ODx1	300	1.50	3.58	10.16	2.72	3.74	4.49	¾x3½	5.1
165.1x33.7	20.7	38.1	91	258	69	95	114	M16x90	2.3
6½ODx1¼	300	1.75	3.58	10.16	2.95	3.74	4.57	¾x3½	5.3
165.1x42.4	20.7	44.5	91	258	75	95	116	M16x90	2.4
6½ODx1½	300	2.00	3.58	10.16	3.27	3.78	4.61	¾x3½	5.5
165.1x48.3	20.7	50.8	91	258	83	96	117	M16x90	2.5
6½ODx2	300	2.50	3.58	10.16	3.74	3.70	4.72	¾x3½	5.9
165.1x60.3	20.7	63.5	91	258	95	94	120	M16x90	2.7
6½ODx3OD	300	2.75	3.58	10.16	4.02	3.70	4.88	¾x3½	6.8
165.1x76.1	20.7	69.9	91	258	102	94	124	M16x90	3.1
6½ODx3	300	3.50	3.58	10.16	4.80	3.70	5.00	¾x3½	7.5
165.1x88.9	20.7	88.9	91	258	122	94	127	M16x90	3.4
6x1	300	1.50	3.66	10.28	2.72	3.82	4.57	¾x3½	5.3
168.3x33.7	20.7	38.1	93	261	69	97	116	M16x90	2.4
6x1¼	300	1.75	3.66	10.28	2.95	3.90	4.65	¾x3½	5.5
168.3x42.4	20.7	44.5	93	261	75	99	118	M16x90	2.5
6x1½	300	2.00	3.66	10.28	3.27	3.86	4.69	¾x3½	5.7
168.3x48.3	20.7	50.8	93	261	83	98	119	M16x90	2.6
6x2	300	2.50	3.66	10.28	3.74	3.98	4.80	¾x3½	6.2
168.3x60.3	20.7	63.5	93	261	95	101	122	M16x90	2.8

- Style 302 is Mechanical Tee with female threaded outlet. Male threaded also available upon request.
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## Style 302 CONT'D

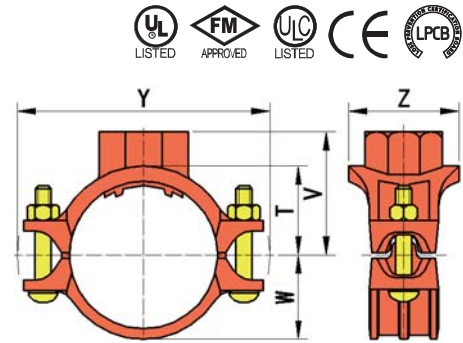
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Inches mm	Psi bar	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Lbs. kg
6x2½	300	2.75	3.66	10.28	4.02	3.90	4.92	¾x3½	6.8
168.3x73.0	20.7	69.9	93	261	102	99	125	M16x90	3.1
6x3OD	300	2.75	3.66	10.28	4.02	3.94	5.12	¾x3½	7.0
168.3x76.1	20.7	69.9	93	261	102	100	130	M16x90	3.2
6x3	300	3.50	3.66	10.28	4.80	3.78	5.08	¾x3½	7.7
168.3x88.9	20.7	88.9	93	261	122	96	129	M16x90	3.5
8x1	300	1.50	4.72	12.99	2.72	4.96	5.71	¾x4	7.7
219.1x33.7	20.7	38.1	120	330	69	126	145	M20x100	3.5
8x1¼	300	1.75	4.72	12.99	2.95	4.88	5.71	¾x4	7.9
219.1x42.4	20.7	44.5	120	330	75	124	145	M20x100	3.6
8x1½	300	2.00	4.72	12.99	3.27	4.88	5.71	¾x4	8.4
219.1x48.3	20.7	50.8	120	330	83	124	145	M20x100	3.8
8x2	300	2.50	4.72	12.99	3.74	4.80	5.83	¾x4	8.8
219.1x60.3	20.7	63.5	120	330	95	122	148	M20x100	4.0
8x2½	300	2.75	4.72	12.99	4.02	4.80	5.98	¾x4	9.7
219.1x73.0	20.7	69.9	120	330	102	122	152	M20x100	4.4
8x3OD	300	2.75	4.72	12.99	4.02	4.80	5.98	¾x4	9.7
219.1x76.1	20.7	69.9	120	330	102	122	152	M20x100	4.4
8x3	300	3.50	4.72	12.99	4.80	4.80	6.10	¾x4	10.1
219.1x88.9	20.7	88.9	120	330	122	122	155	M20x100	4.6



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