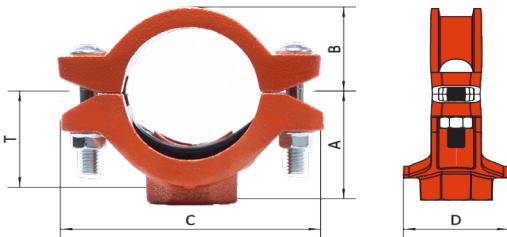


31MT MECHANICAL TEE - THREADED

- Ductile Iron ASTM A-536 Grade 65-45-12.
- Female NPT Threads conform to ASME B1.20.1
- Finish available in standard orange paint or hot dipped galvanized (ASTM A-153)
- Gasket: Grade E – EPDM with operating temperature of -30F to 230F (-34C to 110C) and is marked by a green stripe
- Bolts are SAE J429 Grade 5
- Pressure rated up to 300psi
- For current listing/approval details contact a Titus representative



Nominal Size in/mm	Pipe O.D.	Hole Dia. F +0.13,-0 /+3.2,-0	Dimensions - in/mm					Bolt Size in/mm
			T±	A	B	C	D	
2x1/2	2.375x0.825	1.50	1.97	2.20	1.65	4.72	2.99	3/8x2-3/8
50x15	60.3x21.3	38	50	56	42	120	76	M10x60
2x3/4	2.375x1.05	1.50	1.97	2.20	1.65	4.72	2.99	3/8x2-3/8
50x20	60.3x26.7	38	50	56	42	120	76	M10x60
2x1	2.375x1.327	1.50	1.85	2.20	1.65	4.72	2.99	3/8x2-3/8
50x25	60.3x33.7	38	47	56	42	120	76	M10x60
2x1-1/4	2.375x1.669	1.75	2.05	2.68	1.65	4.72	3.31	3/8x2-3/8
50x32	60.3x42.4	44.5	52	68	42	120	84	M10x60
2x1-1/2	2.375x1.9	1.75	2.05	2.80	1.65	4.72	3.31	3/8x2-3/8
50x40	60.3x48.3	44.5	52	71	42	120	84	M10x60
2-1/2x1/2	2.375x0.825	1.50	2.20	2.42	1.85	5.63	2.99	1/2x2-5/8
65x15	73x21.3	38	56	61.5	47	143	76	M12x65
2-1/2x3/4	2.875x1.05	1.50	2.20	2.42	1.85	5.63	2.99	1/2x2-5/8
65x20	73x26.7	38	56	61.5	47	143	76	M12x65
2-1/2x1	2.875x1.327	1.50	2.09	2.42	1.85	5.63	2.99	1/2x2-5/8
65x25	73.0x33.7	38	53	61.5	47	143	76	M12x65
2-1/2x1-1/4	2.875x1.669	1.75	2.28	2.89	1.85	5.63	3.31	1/2x2-5/8
65x32	73.0x42.4	44.5	58	73.5	47	143	84	M12x65
2-1/2x1-1/2	2.875x1.9	2.00	2.28	2.89	1.85	5.63	3.54	1/2x2-5/8
65x40	73.0x48.3	50.8	58	73.5	47	143	90	M12x65
2-1/2x1/2	3x0.825	1.50	2.20	2.42	1.89	5.63	2.99	1/2x2-5/8
65x15	76.1x21.3	38	56	61.5	48	143	76	M12x65
2-1/2x3/4	3x1.05	1.50	2.20	2.42	1.89	5.63	2.99	1/2x2-5/8
65x20	76.1x26.7	38	56	61.5	48	143	76	M12x65
2-1/2x1	3x1.327	1.50	2.09	2.42	1.89	5.63	2.99	1/2x2-5/8
65x25	76.1x33.7	38	53	61.5	48	143	76	M12x65
2-1/2x1-1/4	3x1.669	1.75	2.28	2.89	1.89	5.63	3.31	1/2x2-5/8
65x32	76.1x42.4	44.5	58	73.5	48	143	84	M12x65
2-1/2x1-1/2	3x1.9	2.00	2.28	2.95	1.89	5.63	3.54	1/2x2-5/8
65x40	76.1x48.3	50.8	58	75	48	143	90	M12x65
3x1/2	3.5x0.825	1.50	2.52	2.74	2.17	6.22	2.99	1/2x2-5/8
80x15	88.9x21.3	38	64	69.5	55	158	76	M12x65
3x3/4	3.5x1.05	1.50	2.48	2.74	2.17	6.22	2.99	1/2x2-5/8
80x20	88.9x26.7	38	63	69.5	55	158	76	M12x65
3x1	3.5x1.327	1.50	2.40	2.74	2.17	6.22	2.99	1/2x2-5/8
80x25	88.9x33.7	38	61	69.5	55	158	76	M12x65
3x1-1/4	3.5x1.669	1.75	2.56	3.19	2.17	6.22	3.31	1/2x2-5/8
80x32	88.9x42.4	44.5	65	81	55	158	84	M12x65
3x1-1/2	3.5x1.9	2.00	2.80	3.19	2.17	6.22	3.54	1/2x2-5/8
80x40	88.9x48.3	50.8	71	81	55	158	90	M12x65
3x2	3.5x2.375	2.50	2.76	3.19	2.17	6.22	3.98	1/2x2-5/8
80x50	88.9x60.3	63.5	70	81	55	158	101	M12x65
4x1	4.250x1.327	1.50	2.87	2.99	2.44	6.57	2.99	1/2x2-5/8
100x25	108.1x33.7	38	73	76	62	167	76	M12x65
4x1-1/4	4.25x1.669	1.81	3.07	2.99	2.44	6.57	3.27	1/2x2-5/8
100x32	108.0x42.4	46	78	76	62	167	83	M12x65
4x1-1/2	4.25x1.9	2.09	3.27	2.99	2.44	6.57	3.54	1/2x2-5/8
100x40	108.0x48.3	53	83	76	62	167	90	M12x65
4x2	4.25x2.375	2.52	3.27	3.07	2.44	6.57	3.94	1/2x2-5/8
100x50	108.0x60.3	64	83	78	62	167	100	M12x65
4x2-1/2	4.25x3	3.15	2.87	4.13	2.44	6.57	4.61	1/2x2-5/8
100x65	108.0x76.1	80	73	105	62	167	117	M12x65
4x1/2	4.5x0.825	1.50	3.03	3.11	2.56	7.13	2.99	1/2x2-3/4
100x15	114.3x21.3	38	77	79	65	181	76	M12x70
4x3/4	4.5x1.05	1.50	2.99	3.11	2.56	7.13	2.99	1/2x2-3/4
100x20	114.3x26.7	38	76	79	65	181	76	M12x70
4x1	4.5x1.327	1.50	2.87	3.23	2.56	7.13	2.99	1/2x2-3/4
100x25	114.3x33.7	38	73	82	65	181	76	M12x70
4x1-1/4	4.5x1.669	1.75	3.07	3.70	2.56	7.13	3.31	1/2x2-3/4
100x32	114.3x42.4	44.5	78	94	65	181	84	M12x70
4x1-1/2	4.5x1.9	2.00	3.27	3.70	2.56	7.13	3.54	1/2x2-3/4
100x40	114.3x48.3	50.8	83	94	65	181	90	M12x70
4x2	4.5x2.375	2.50	3.27	3.70	2.56	7.13	3.98	1/2x2-3/4
100x50	114.3x60.3	63.5	83	94	65	181	101	M12x70
4x2-1/2	4.5x3	2.76	2.87	3.90	2.56	7.13	4.61	1/2x2-3/4
100x65	114.3x76.1	70	73	99	65	181	117	M12x70
4x3	4.5x3.5	3.50	3.31	3.94	2.56	7.13	5.35	1/2x2-3/4
100x80	114.3x88.9	89	84	100	65	181	136	M12x70
5x1	5.250x1.327	1.50	3.35	3.50	2.91	8.07	2.99	1/2x3
125x25	133.0x33.7	38	85	89	74	205	76	M12x75
5x1-1/4	5.25x1.669	1.81	3.54	3.50	2.91	8.07	3.27	1/2x3
125x32	133.0x42.4	46	90	89	74	205	83	M12x75
5x1-1/2	5.25x1.9	2.09	3.74	3.50	2.91	8.07	3.54	1/2x3
125x40	133.0x48.3	53	95	89	74	205	90	M12x75

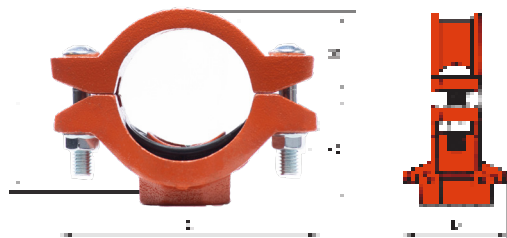
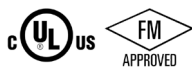
MECHANICAL TEES



31MT

MECHANICAL TEE - THREADED

(CONTINUED)



Nominal Size in/mm	Pipe O.D.	Hole Dia.† +0.13,-0 /+3.2,-0	Dimensions - in/mm					Bolt Size in/mm
			T‡	A	B	C	D	
5x2	5.25x2.375	2.52	3.74	3.50	2.91	8.07	3.94	1/2x3
125x50	133.0x60.3	64	95	89	74	205	100	M12x75
5x2-1/2	5.25x3	3.15	3.82	3.62	2.91	8.07	4.61	1/2x3
125x65	133.0x76.1	80	97	92	74	205	117	M12x75
5x3	5.25x3.5	3.62	4.17	3.70	2.91	8.07	5.08	1/2x3
125x80	133.0x88.9	92	106	94	74	205	129	M12x75
5x1	5.5x1.327	1.50	3.82	3.80	3.03	8.62	2.99	5/8x3-1/3
125x25	139.7x33.7	38	97	96.5	77	219	76	M16x85
5x1-1/4	5.5x1.669	1.75	3.82	4.21	3.03	8.62	3.31	5/8x3-1/3
125x32	139.7x42.4	44.5	97	107	77	219	84	M16x85
5x1-1/2	5.5x1.9	2.00	4.02	4.21	3.03	8.62	3.54	5/8x3-1/3
125x40	139.7x48.3	50.8	102	107	77	219	90	M16x85
5x2	5.5x2.375	2.50	4.02	4.25	3.03	8.62	3.98	5/8x3-1/3
125x50	139.7x60.3	63.5	102	108	77	219	101	M16x85
5x2-1/2	5.5x3	2.76	3.62	4.53	3.03	8.62	4.61	5/8x3-1/3
125x65	139.7x76.1	70	92	115	77	219	117	M16x85
5x3	5.5x3.5	3.50	3.82	4.65	3.03	8.62	5.35	5/8x3-1/3
125x80	139.7x88.9	89	97	118	77	219	136	M16x85
5x1	5.563x1.327	1.50	3.03	3.80	3.03	8.62	2.99	5/8x3-1/3
125x25	141.3x33.7	38	77	96.5	77	219	76	M16x85
5x1-1/4	5.563x1.669	1.75	3.03	4.21	3.03	8.62	3.31	5/8x3-1/3
125x32	141.3x42.4	44.5	77	107	77	219	84	M16x85
5x1-1/2	5.563x1.9	2.00	3.27	4.21	3.03	8.62	3.54	5/8x3-1/3
125x40	141.3x48.3	50.8	83	107	77	219	90	M16x85
5x2	5.563x2.375	2.50	3.27	4.25	3.03	8.62	3.98	5/8x3-1/3
125x50	141.3x60.3	63.5	83	108	77	219	101	M16x85
5x2-1/2	5.563x3	2.76	3.66	4.53	3.03	8.62	4.61	5/8x3-1/3
125x65	141.3x76.1	70	93	115	77	219	117	M16x85
5x3	5.563x3.5	3.50	3.82	4.65	3.03	8.62	5.35	5/8x3-1/3
125x80	141.3x88.9	89	97	118	77	219	136	M16x85
6x1	6.250x1.327	1.50	4.45	4.00	3.58	9.17	2.99	9/16x3
150x25	159.0x33.7	38	113	101.5	91	233	76	M14x75
6x1-1/4	6.250x1.669	1.81	4.45	4.00	3.58	9.17	3.27	9/16x3
150x32	159.0x42.4	46	113	101.5	91	233	83	M14x75
6x1-1/2	6.250x1.9	2.09	4.41	4.00	3.58	9.17	3.54	9/16x3
150x40	159.0x48.3	53	112	101.5	91	233	90	M14x75
6x2	6.250x2.375	2.52	4.37	4.00	3.58	9.17	3.94	9/16x3
150x50	159.0x60.3	64	111	101.5	91	233	100	M14x75
6x2-1/2	6.250x3	3.15	4.37	4.15	3.58	9.17	4.61	5/8x3-1/3
150x65	159.0x76.1	80	111	105.5	91	233	117	M16x85
6x3	6.250x3.5	3.62	4.33	4.15	3.58	9.17	5.08	5/8x3-1/3
150x80	159.0x88.9	92	110	105.5	91	233	129	M16x85
6x4	6.250x4.5	4.65	3.81	4.33	3.58	9.17	6.18	5/8x3-1/3
150x100	159.0x114.3	118	96.8	110	91	233	157	M16x85
6x1	6.5x1.327	1.50	3.90	4.27	3.7	9.76	2.99	5/8x3-1/3
150x25	165.1x33.7	38	99	108.5	94	248	76	M16x85
6x1-1/4	6.5x1.669	1.75	4.41	4.72	3.7	9.76	3.31	5/8x3-1/3
150x32	165.1x42.4	44.5	112	120	94	248	84	M16x85
6x1-1/2	6.5x1.9	2.00	4.41	4.72	3.7	9.76	3.54	5/8x3-1/3
150x40	165.1x48.3	50.8	112	120	94	248	90	M16x85
6x2	6.5x2.375	2.50	4.37	4.76	3.7	9.76	3.98	5/8x3-1/3
150x50	165.1x60.3	63.5	111	121	94	248	101	M16x85
6x2-1/2	6.5x3	2.76	4.33	4.98	3.7	9.76	4.61	5/8x3-1/3
150x65	165.1x76.1	70	110	126.5	94	248	117	M16x85
6x3	6.5x3.5	3.50	4.33	5.10	3.7	9.76	5.35	5/8x3-1/3
150x80	165.1x88.9	89	110	129.5	94	248	136	M16x85
6x4	6.5x4.5	4.49	3.82	5.35	3.7	9.76	6.38	5/8x3-1/3
150x100	165.1x114.3	114	97	136	94	248	162	M16x85
6x1	6.625x1.327	1.50	4.41	4.27	3.82	9.76	2.99	5/8x3-1/3
150x25	168.3x33.7	38	112	108.5	97	248	76	M16x85
6x1-1/4	6.625x1.669	1.75	4.41	4.72	3.82	9.76	3.31	5/8x3-1/3
150x32	168.3x42.4	44.5	112	120	97	248	84	M16x85
6x1-1/2	6.625x1.9	2.00	4.41	4.72	3.82	9.76	3.54	5/8x3-1/3
150x40	168.3x48.3	50.8	112	120	97	248	90	M16x85
6x2	6.625x2.375	2.50	4.37	4.76	3.82	9.76	3.98	5/8x3-1/3
150x50	168.3x60.3	63.5	111	121	97	248	101	M16x85
6x2-1/2	6.625x3	2.76	4.33	5.04	3.82	9.76	4.61	5/8x3-1/3
150x65	168.3x76.1	70	110	128	97	248	117	M16x85
6x3	6.625x3.5	3.50	4.33	5.16	3.82	9.76	5.35	5/8x3-1/3
150x80	168.3x88.9	89	110	131	97	248	136	M16x85
6x4	6.625x4.5	4.49	3.82	5.49	3.82	9.76	6.38	5/8x3-1/3
150x100	168.3x114.3	114	97	139.5	97	248	162	M16x85
8x1	8.625x1.327	1.50	5.98	5.35	1.92	12.68	2.99	5/8x3-1/2
200x25	219.1x33.7	38	152	136	125	322	76	M20x90
8x1-1/4	8.625x1.669	1.75	5.98	5.79	1.92	12.68	3.31	5/8x3-1/2
200x32	219.1x42.4	44.5	152	147	125	322	84	M20x90
8x1-1/2	8.625x1.9	2.00	5.98	5.79	1.92	12.68	3.54	5/8x3-1/2
200x40	219.1x48.3	50.8	152	147	125	322	90	M20x90
8x2	8.625x2.375	2.50	5.43	5.79	1.92	12.68	3.98	5/8x3-1/2
200x50	219.1x60.3	63.5	138	147	125	322	101	M20x90
8x2-1/2	8.625x3	2.76	5.08	6.14	1.92	12.68	4.61	5/8x3-1/2
200x65	219.1x76.1	70	129	156	125	322	117	M20x90
8x3	8.625x3.5	3.50	5.31	6.24	1.92	12.68	5.35	5/8x3-1/2
200x80	219.1x88.9	89	135	158.5	125	322	136	M20x90
8x4	8.625x4.5	4.49	4.80	6.57	1.92	12.68	6.38	5/8x3-1/2
200x100	219.1x114.3	114	122	167	125	322	162	M20x90