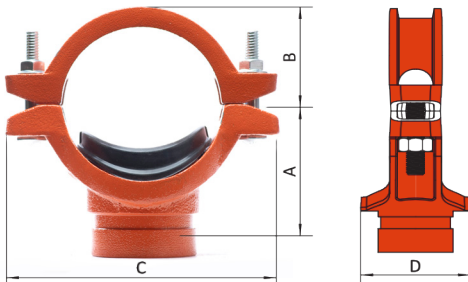


31MG MECHANICAL TEE - GROOVED

- Ductile Iron ASTM A-536 Grade 65-45-12
- All grooved dimensions 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
			A	B	C	D	
2x1	2.375x1.327	1.50	2.83	1.65	4.72	2.99	3/8x2-3/8
50x25	60.3x33.7	38	72	42	120	76	M10x60
2x1-1/4	2.375x1.669	1.75	2.85	1.65	4.72	3.31	3/8x2-3/8
50x32	60.3x42.4	44.5	72.5	42	120	84	M10x60
2x1-1/2	2.375x1.9	1.75	2.85	1.65	4.72	3.31	3/8x2-3/8
50x40	60.3x48.3	44.5	72.5	42	120	84	M10x60
2-1/2x1	2.875x1.327	1.50	3.07	1.85	5.63	2.99	1/2x2-5/8
65x25	73x33.7	38	78	47	143	76	M12x65
2-1/2x1-1/4	2.875x1.669	1.75	3.09	1.85	5.63	3.31	1/2x2-5/8
65x32	73x42.4	44.5	78.5	47	143	84	M12x65
2-1/2x1-1/2	2.875x1.9	2.00	3.09	1.85	5.63	3.54	1/2x2-5/8
65x40	73x48.3	50.8	78.5	47	143	90	M12x65
2-1/2x1	3x1.327	1.50	3.13	1.89	5.63	2.99	1/2x2-5/8
65x25	76.1x33.7	38	79.5	48	143	76	M12x65
2-1/2x1-1/4	3x1.669	1.75	3.15	1.89	5.63	3.31	1/2x2-5/8
65x32	76.1x42.4	44.5	80	48	143	84	M12x65
2-1/2x1-1/2	3x1.9	2.00	3.15	1.89	5.63	3.54	1/2x2-5/8
65x40	76.1x48.3	50.8	80	48	143	90	M12x65
3x1	3.5x1.327	1.50	3.37	2.17	6.22	2.99	1/2x2-5/8
80x25	88.9x33.7	38	85.5	55	158	76	M12x65
3x1-1/4	3.5x1.669	1.75	3.39	2.17	6.22	3.31	1/2x2-5/8
80x32	88.9x42.4	44.5	86	55	158	84	M12x65
3x1-1/2	3.5x1.9	2.00	3.39	2.17	6.22	3.54	1/2x2-5/8
80x40	88.9x48.3	50.8	86	55	158	90	M12x65
3x2	3.5x2.375	2.50	3.43	2.17	6.22	3.98	1/2x2-5/8
80x50	88.9x60.3	63.5	87	55	158	101	M12x65
4x2	4.25x2.375	2.52	3.64	2.44	6.77	3.54	1/2x2-5/8
100x50	108x60.3	64	92.5	62	172	90	M12x65
4x2-1/2	4.25x3	3.15	3.64	2.44	6.77	4.21	1/2x2-5/8
100x65	108x76.1	80	92.5	62	172	107	M12x65
4x1	4.5x1.327	1.50	3.86	2.56	7.13	2.99	1/2x2-3/4
100x25	114.3x33.7	38	98	65	181	76	M12x70
4x1-1/4	4.5x1.669	1.75	3.90	2.56	7.13	3.31	1/2x2-3/4
100x32	114.3x42.4	44.5	99	65	181	84	M12x70
4x1-1/2	4.5x1.9	2.00	3.90	2.56	7.13	3.54	1/2x2-3/4
100x40	114.3x48.3	50.8	99	65	181	90	M12x70
4x2	4.5x2.375	2.50	3.90	2.56	7.13	3.98	1/2x2-3/4
100x50	114.3x60.3	63.5	99	65	181	101	M12x70
4x2-1/2	4.5x2.875	2.76	3.90	2.56	7.13	4.61	1/2x2-3/4
100x65	114.3x73	70	99	65	181	117	M12x70
4x2-1/2	4.5x3	2.76	3.90	2.56	7.13	4.61	1/2x2-3/4
100x65	114.3x76.1	70	99	65	181	117	M12x70
4x3	4.5x3.5	3.50	3.90	2.56	7.13	5.35	1/2x2-3/4
100x80	114.3x88.9	89	99	65	181	136	M12x70
5x1-1/2	5.25x1.9	2.09	4.15	2.91	8.07	3.54	1/2x3
125x40	133x48.3	53	105.5	74	205	90	M12x75
5x2	5.25x2.375	2.52	4.15	2.91	8.07	3.94	1/2x3
125x50	133x60.3	64	105.5	74	205	100	M12x75
5x2-1/2	5.25x3	3.15	4.15	2.91	8.07	4.61	1/2x3
125x65	133x76.1	80	105.5	74	205	117	M12x75
5x3	5.25x3.5	3.62	4.15	2.91	8.07	5.08	1/2x3
125x80	133x88.9	92	105.5	74	205	129	M12x75
5x1-1/4	5.5x1.669	1.75	4.41	3.03	8.62	3.31	5/8x3-1/3
125x32	139.7x42.4	44.5	112	77	219	84	M16x85
5x1-1/2	5.5x1.9	2.00	4.41	3.03	8.62	3.54	5/8x3-1/3
125x40	139.7x48.3	50.8	112	77	219	90	M16x85
5x2	5.5x2.375	2.50	4.45	3.03	8.62	3.98	5/8x3-1/3
125x50	139.7x60.3	63.5	113	77	219	101	M16x85
5x2-1/2	5.5x2.875	2.76	4.45	3.03	8.62	4.61	5/8x3-1/3
125x65	139.7x73	70	113	77	219	117	M16x85
5x2-1/2	5.5x3	2.76	4.45	3.03	8.62	4.61	5/8x3-1/3
125x65	139.7x76.1	70	113	77	219	117	M16x85
5x3	5.5x3.5	3.50	4.45	3.03	8.62	5.35	5/8x3-1/3
125x80	139.7x88.9	89	113	77	219	136	M16x85

MECHANICAL TEES



31MG

MECHANICAL TEE - GROOVED (CONTINUED)

Nominal Size in/mm	Pipe O.D.	Hole Dia. F +0.13,-0 /+3.2,-0	Dimensions - in/mm				Bolt Size in/mm
			A	B	C	D	
5x1-1/2	5.563x1.669	1.75	4.41	3.03	8.62	3.31	5/8x3-1/3
125x40	141.3x42.4	44.5	112	77	219	84	M16x85
5x1-1/2	5.563x1.9	2.00	4.41	3.03	8.62	3.54	5/8x3-1/3
125x40	141.3x48.3	50.8	112	77	219	90	M16x85
5x2	5.563x2.375	2.50	4.45	3.03	8.62	3.98	5/8x3-1/3
125x50	141.3x60.3	63.5	113	77	219	101	M16x85
5x2-1/2	5.563x2.875	2.76	4.45	3.03	8.62	4.61	5/8x3-1/3
125x65	141.3x73	70	113	77	219	117	M16x85
5x2-1/2	5.563x3	2.76	4.45	3.03	8.62	4.61	5/8x3-1/3
125x65	141.3x76.1	70	113	77	219	117	M16x85
5x3	5.563x3.5	3.50	4.45	3.03	8.62	5.35	5/8x3-1/3
125x80	141.3x88.9	89	113	77	219	136	M16x85
6x2	6.25x2.375	2.52	4.65	3.58	9.17	3.94	9/16x3
150x50	159x60.3	64	118	91	233	100	M14x75
6x2-1/2	6.25x3	3.15	4.65	3.58	9.17	4.61	9/16x3
150x65	159x76.1	80	118	91	233	117	M14x75
6x3	6.25x3.5	3.62	4.65	3.58	9.17	5.08	9/16x3
150x80	159x88.9	92	118	91	233	129	M14x75
6x4	6.25x4.25	4.09	4.70	3.58	9.17	5.63	9/16x3
150x100	159.0x108.0	104	119.5	91	233	143	M14x75
6x4	6.25x4.5	4.37	4.70	3.58	9.17	6.02	9/16x3
150x100	159.0x114.3	111	119.5	91	233	153	M14x75
6x1-1/4	6.5x1.669	1.75	4.92	3.7	9.76	3.31	5/8x3-1/3
150x32	165.1x42.4	44.5	125	94	248	84	M16x85
6x1-1/2	6.5x1.9	2.00	4.92	3.7	9.76	3.54	5/8x3-1/3
150x40	165.1x48.3	50.8	125	94	248	90	M16x85
6x2	6.5x2.375	2.50	4.92	3.7	9.76	3.98	5/8x3-1/3
150x50	165.1x60.3	63.5	125	94	248	101	M16x85
6x2-1/2	6.5x2.875	2.76	4.92	3.7	9.76	4.61	5/8x3-1/3
150x65	165.1x73	70	125	94	248	117	M16x85
6x2-1/2	6.5x3	2.76	4.92	3.7	9.76	4.61	5/8x3-1/3
150x65	165.1x76.1	70	125	94	248	117	M16x85
6x3	6.5x3.5	3.50	4.92	3.7	9.76	5.35	5/8x3-1/3
150x80	165.1x88.9	89	125	94	248	136	M16x85
6x4	6.5x4.25	4.49	5.08	3.7	9.76	6.38	5/8x3-1/3
150x100	165.1x108	114	129	94	248	162	M16x85
6x4	6.5x4.5	4.49	5.08	3.7	9.76	6.38	5/8x3-1/3
150x100	165.1x114.3	114	129	94	248	162	M16x85
6x1-1/4	6.625x1.669	1.75	4.92	3.82	9.76	3.31	5/8x3-1/3
150x32	168.3x42.4	44.5	125	97	248	84	M16x85
6x1-1/2	6.625x1.9	2.00	4.92	3.82	9.76	3.54	5/8x3-1/3
150x40	168.3x48.3	50.8	125	97	248	90	M16x85
6x2	6.625x2.375	2.50	4.92	3.82	9.76	3.98	5/8x3-1/3
150x50	168.3x60.3	63.5	125	97	248	101	M16x85
6x2-1/2	6.625x2.875	2.76	5.00	3.82	9.76	4.61	5/8x3-1/3
150x65	168.3x73	70	127	97	248	117	M16x85
6x2-1/2	6.625x3	2.76	5.00	3.82	9.76	4.61	5/8x3-1/3
150x65	168.3x76.1	70	127	97	248	117	M16x85
6x3	6.625x3.5	3.50	5.00	3.82	9.76	5.35	5/8x3-1/3
150x80	168.3x88.9	89	127	97	248	136	M16x85
6x4	6.625x4.5	4.49	5.08	3.82	9.76	6.38	5/8x3-1/3
150x100	168.3x114.3	114	129	97	248	162	M16x85
8x2	8.625x2.375	2.50	5.98	1.92	12.68	3.98	5/8x3-1/2
200x50	219.1x60.3	63.5	152	125	322	101	M20x90
8x2-1/2	8.625x2.875	2.76	6.06	1.92	12.68	4.61	5/8x3-1/2
200x65	219.1x73	70	154	125	322	117	M20x90
8x2-1/2	8.625x3	2.76	6.06	1.92	12.68	4.61	5/8x3-1/2
200x65	219.1x76.1	70	154	125	322	117	M20x90
8x3	8.625x3.5	3.50	6.06	1.92	12.68	5.35	5/8x3-1/2
200x80	219.1x88.9	89	154	125	322	136	M20x90
8x4	8.625x4.25	4.49	6.14	1.92	12.68	6.38	5/8x3-1/2
200x100	219.1x108	114	156	125	322	162	M20x90
8x4	8.625x4.5	4.49	6.14	1.92	12.68	6.38	5/8x3-1/2
200x100	219.1x114.3	114	156	125	322	162	M20x90

