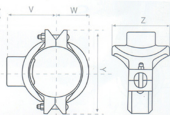


Shield Threaded Outlet Mechanical Tee

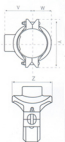


SDG-42

Shield Mechanical Tees allow a direct branch connection to be made on a pipe run where sufficient space allows a hole to be cut. Material: Ductile Iron ASTM A536. Gasket Standard EPDM. Threads are available to BSPT or NPT and can be supplied in red coating or hot dipped galvanized.

Nominal Size Run x Branch in	Pipe O.D. mm	Maximum Working Pressure PSI	Hole Dia mm +1.6	Y mm	Z mm	V mm	W mm	Bolt Size	Weight kg
2x1	60.3x33.4	300	38	116	68	60	39	3/8x55	0.81
2x1/4	60.3x42.2	300	45	116	76	62	39	3/8x55	0.89
2x1/2	60.3x48.3	300	45	116	76	62	39	3/8x55	0.89
2/2x1/4	73.0x26.9	300	38	144	70	69	49	1/2x60	1.18
2/2x1	73.0x33.4	300	38	144	70	69	49	1/2x60	1.22
2/2x1/4	73.0x42.2	300	51	144	84.5	73	49	1/2x60	1.38
2/2x1/2	73.0x48.3	300	51	144	84.5	73	49	1/2x60	1.42
2/2x2	73.0x60.3	300	51	144	90.5	77.5	49	1/2x60	1.62
30.Dx1	76.1x33.4	300	38	144	72.0	77.5	46.5	1/2x75	1.39
30.Dx1/4	76.1x42.2	300	51	144	84.5	77.5	46.5	1/2x75	1.44
30.Dx1/2	76.1x48.3	300	51	144	90.5	79.5	46.5	1/2x75	1.69
30.Dx2	76.1x60.3	300	51	144	90.5	82.5	46.5	1/2x75	1.86
3x1	88.9x33.4	300	38	160	73.5	80	53.5	1/2x75	1.51
3x1/4	88.9x42.2	300	51	160	85.5	80	53.5	1/2x75	1.52
3x1/2	88.9x48.3	300	51	160	90	80	53.5	1/2x75	1.66
3x2	88.9x60.3	300	64	160	104	80	53.5	1/2x75	1.81
4x1/2	114.3x21.3	300	42	186	78.4	93	68	1/2x75	1.85
4x1/4	114.3x26.9	300	42	186	89.0	93	68	1/2x75	1.82
4x1	114.3x33.4	300	38	186	89.0	93	68	1/2x75	1.88
4x1/4	114.3x42.2	300	51	186	89.0	95	68	1/2x75	1.99
4x1/2	114.3x48.3	300	51	186	104.4	97	68	1/2x75	2.07
4x2	114.3x60.3	300	64	186	104.4	120	68	1/2x75	2.29
4x2 1/2	114.3x73	300	70	186	124	100	68	1/2x75	2.43
4x3	114.3x89	300	89	208	96.5	100	68	1/2x75	2.80
5/2x0.Dx1	139.7x33.4	300	51	226	95	110	81	5/8x85	2.90
5/2x0.Dx1/4	139.7x42.2	300	51	226	95	114	81	5/8x85	3.02
5/2x0.Dx1/2	139.7x48.3	300	51	226	95	112	81	5/8x85	3.03
5/2x0.Dx2	139.7x60.3	300	70	226	114	114	81	5/8x85	3.26
5/2x0.Dx3.D	139.7x76.1	300	70	226	114	119	81	5/8x85	3.50
5/2x0.Dx3	139.7x89	300	89	226	136	122	81	5/8x85	4.26
5x1/4	141.3x42.2	300	51	226	98	110	81	5/8x85	3.65
6/2x0.Dx1/2	165.1x21.3	300	42	242	80.5	120	95	3/4x110	3.40
6/2x0.Dx1/4	165.1x26.9	300	42	242	80.5	120	95	3/4x110	3.37
6/2x0.Dx1	165.1x33.4	300	38	242	78.0	118	95	3/4x110	3.15
6/2x0.Dx1/4	165.1x42.2	300	51	242	93.0	118	95	3/4x110	3.19
6/2x0.Dx1/2	165.1x48.3	300	51	242	93.0	118	95	3/4x110	3.20
6/2x0.Dx2	165.1x60.3	300	64	242	112	128.5	95	3/4x110	3.56
6/2x0.Dx3.D	165.1x76.1	300	70	242	112	128	95	3/4x110	3.71

SHIELD reserves the right to change the contents without notice.



Nominal Size Run x Branch in	Pipe O.D. mm	Maximum Working Pressure PSI	Hole Dia mm +1.6	Y mm	Z mm	V mm	W mm	Bolt Size	Weight kg
6/2x0.Dx3	165.1x89	300	89	242	132	128.5	95	3/4x110	3.97
6/2x0.Dx4	165.1x114.3	300	114	242	157	141	95	3/4x110	5.65
6x2	168.3x60.3	300	64	246	114	135	96.5	3/4x110	3.87
6x2 1/2	168.3x73.0	300	70	246	115	134	96.5	3/4x110	4.41
6x4	168.3x114.3	300	114	246	157	141	96.5	3/4x110	5.80
8x1	219.0x33.4	300	51	320	96.5	150	123	3/4x115	5.60
8x1/4	219.1x42.2	300	51	320	96.5	150	123	3/4x115	5.77
8x1/2	219.1x48.3	300	51	320	96.5	150	123	3/4x115	5.79
8x2	219.1x60.3	300	70	320	118	158.5	123	3/4x115	6.79
8x2 1/2	219.1x73.0	300	70	320	118	158.5	123	3/4x115	6.31
8x3	219.1x89	300	89	320	142	161	123	3/4x115	6.73
8x4	219.1x114.3	300	114	320	170	170	123	3/4x115	7.75

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The mechanical tee and cross features a gap between the bolt pads. Do not attempt to bring bolt pads together which would result in metal to metal when tightening bolts and nuts. Note that excessive torque may cause joint failure - the following table provides recommended bolt fastening torque.

Bolt Size	Recommended Bolt Torque N - m
3/8"	35-40
1/2"	60-68
5/8"	68-95
3/4"	110-135

