

Allpipes Technology Sdn Bhd



ALLPIPES



CERTIFIED TO ISO 9001:2008
CERT. NO. : AR2134





Allpipes Technology Sdn Bhd (ATSB) is a subsidiary of Engtex Group Bhd, a company listed in the Kuala Lumpur Stock Exchange (KLSE). It's principle business is the manufacturing of spirally welded steel pipes for water, sewerage, irrigations, dredging and structural steel pipes for jetties, bridges and high-rise buildings.

ATSB's manufacturing plant was established in 1995 in Serendah, Selangor DE with a total land area of 20 acres and four spiral machines capable of producing 40,000 metric ton of steel pipes annually. Our products range from 100mm to 3000mm and our plant is an ISO 9001:2008 certified (by SIRIM) company and all our products are Certified by IQCI (Ikram Quality & Certificates Institute) and SPAN (Suruhanjaya Perkhidmatan Air Negara); a government recognized body for product certifications. In additions, our product have all the state water authorities approval.

We are deeply committed to supply products which meet with the stringiest quality control adopted by our Quality Policy:

- Achieve Total Customer Satisfactions is our ultimate goal
- Nurture the spirit of commitment towards quality management system for Continual Improvement
- Do our jobs right the first time, everytime to produce product of Consistent Quality



PIPE & FITTINGS SPECIFICATIONS

dimensions to suit SPAN TS 21827

PIPE ND (inch)	PIPE ND (mm)	PIPE FID (mm)	PIPE OD (mm)	STEEL THICKNESS MINIMUM (mm)	TEST PRESSURE (bar) SPAN TS 21827	CONCRETE THICKNESS MINIMUM (mm)	TOTAL WEIGHT PER METRE* (kg)
4	100	95.1	114.3	3.6	70	6	15.74
6	150	149.1	168.3	3.6	70	6	23.58
8	200	191.1	219.1	4.0	70	10	40.10
10	250	245.0	273.0	4.0	56	10	50.39
12	300	295.9	323.9	4.0	48	10	60.09
14	350	320.6	355.6	4.5	49	13	79.73
16	400	371.4	406.4	4.5	43	13	91.47
18	450	421.0	457.0	5.0	42	13	108.58
20	500	472.0	508.0	5.0	38	13	121.00
24	600	571.4	610.0	6.3	40	13	164.77
26	650	609.4	660.0	6.3	37	19	205.42
28	700	660.4	711.0	6.3	34	19	221.70
30	750	711.4	762.0	6.3	32	19	237.97
32	800	760.8	813.0	7.1	34	19	269.80
34	850	811.8	864.0	7.1	32	19	287.08
36	900	860.0	914.0	8.0	34	19	323.72
38	1000	962.0	1016.0	8.0	30	19	360.55
48	1200	1161.0	1219.0	10.0	32	19	492.52
56	1400	1352.0	1422.0	10.0	27	25	635.14
64	1600	1554.0	1626.0	11.0	26	25	766.98
72	1800	1754.0	1829.0	12.5	26	25	930.40
80	2000	1953.6	2032.0	14.2	27	25	1118.53
88	2200	2153.0	2235.0	16.0	28	25	1328.94
92	2300	2255.0	2337.0	16.0	26	25	1390.34
96	2400	2356.0	2438.0	16.0	25	25	1451.14
100	2500	2455.0	2540.0	17.5	27	25	1604.72
104	2600	2557.0	2642.0	17.5	26	25	1669.89
108	2700	2658.0	2743.0	17.5	25	25	1734.43

Note: We are able to produce any other size as required by the purchaser.
(with maximum diameter of 3000mm)

*Approximate weight only

PIPE & FITTINGS SPECIFICATIONS

dimensions to suit local JKR standard

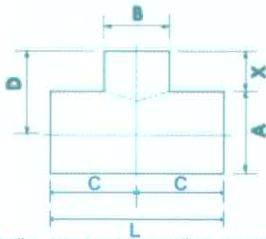
PIPE ND (inch)	PIPE ND (mm)	PIPE FID (mm)	PIPE OD (mm)	STEEL THICKNESS MINIMUM (mm)	TEST PRESSURE (bar) BS3601 1987	CONCRETE THICKNESS MINIMUM (mm)	TOTAL WEIGHT PER METRE* (kg)
4	100	93.7	121.9	4.1	70	10	22.71
6	150	149.1	177.3	4.1	70	10	33.76
8	200	204.0	232.2	4.1	70	10	44.70
10	250	257.8	286.0	4.1	63	10	55.43
12	300	313.8	345.4	5.8	70	10	81.08
14	350	361.7	399.3	5.8	64	13	102.05
16	400	415.5	453.1	5.8	56	13	116.21
18	450	469.4	507.0	5.8	50	13	130.39
20	500	522.7	560.3	5.8	46	13	144.41
24	600	628.0	667.0	6.5	43	13	183.66
26	650	651.2	692.0	7.4	47	13	205.55
28	700	701.2	754.0	7.4	43	19	255.20
30	750	751.2	804.0	7.4	40	19	272.51
32	800	801.2	854.0	7.4	38	19	289.82
34	850	851.2	904.0	7.4	36	19	307.13
36	900	901.2	954.0	7.4	34	19	324.44
40	1000	1000.0	1054.0	8.0	33	19	374.27
42	1050	1050.0	1107.0	9.5	38	19	433.29
44	1100	1100.0	1157.0	9.5	36	25	503.16
46	1150	1150.0	1219.0	9.5	34	25	528.36
48	1200	1200.0	1270.0	10.0	35	25	566.13
52	1300	1300.0	1372.0	11.0	35	25	645.39
56	1400	1400.0	1472.0	11.0	33	25	693.26
60	1500	1500.0	1576.0	13.0	36	25	818.86
64	1600	1600.0	1676.0	13.0	34	25	871.66
68	1700	1700.0	1776.0	13.0	32	25	924.47
72	1800	1800.0	1876.0	13.0	30	25	977.27
76	1900	1900.0	1976.0	13.0	29	25	1030.07
80	2000	2000.0	2088.0	14.0	30	30	1212.65
84	2100	2100.0	2189.0	14.5	29	30	1298.57

Note: We are able to produce any other size as required by the purchaser.
(with maximum diameter of 3000mm)

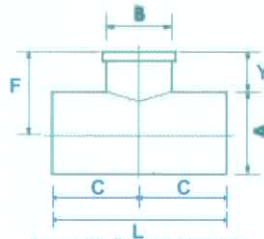
*Approximate weight only

DIMENSIONS OF TEES

PIPE SIZE 100MM ND TO 2100MM ND



Plain end tee for slip - on type coupling and butt-welded joint



Tee with flange branch

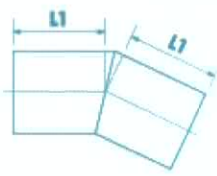
C = 1.5B BUT WITH MINIMUM OF 1/2 A

INCH	BARREL SIZES		PLAIN ENDED BRANCH SIZES	FLANGE ENDED BRANCH SIZES
	Nominal Diameter (mm)	L	$D = 1/2A + X$	$F = 1/2A + Y$
			A	X
4	100	270 X 2	200	130
6	150	290 X 2	200	140
8	200	370 X 2	250	150
10	250	410 X 2	250	160
12	300	450 X 2	250	180
14	350	530 X 2	300	200
16	400	600 X 2	300	230
18	450	2C or 3B	300	300
20	500	2C or 3B	300	300
24	600	2C or 3B	300	300
26	650	2C or 3B	300	300
28	700	2C or 3B	300	300
30	750	2C or 3B	380	300
32	800	2C or 3B	380	300
34	850	2C or 3B	380	300
36	900	2C or 3B	380	300
40	1000	2C or 3B	380	380
42	1050	2C or 3B	380	380
44	1100	2C or 3B	380	380
48	1200	2C or 3B	380	380
52	1300	2C or 3B	380	380
56	1400	2C or 3B	380	380
60	1500	2C or 3B	380	380
64	1600	2C or 3B	380	380
68	1700	2C or 3B	380	380
72	1800	2C or 3B	380	380
76	1900	2C or 3B	380	380
80	2000	2C or 3B	380	380
84	2100	2C or 3B	380	380

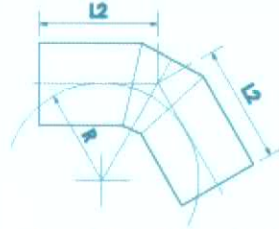
Note: We are able to produce any other size as required by the purchaser.
(with maximum diameter of 3000mm)

DIMENSIONS OF GUSSETED BENDS

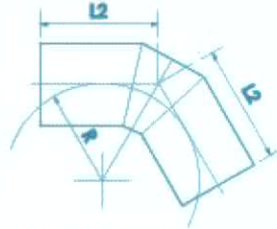
PIPE SIZE 100MM ND TO 2100MM ND



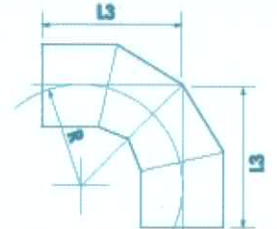
Type 1, Not more than 30°



Type 2, Over 30° up to 45°



Type 2, Over 45° up to 60°



Type 3, Over 60° up to 90°

INCH	NOMINAL DIAMETER (mm)	TYPE 1		TYPE 2			TYPE 3	
		LESS THAN 30°	OVER 30° TO 45°	OVER 45° TO 60°	OVER 60° TO 90°			
		L1 MM	R mm	L2 mm	R mm	L2 mm	R mm	L3 mm
4	100	175	150	200	150	250	150	300
6	150	225	225	300	225	300	225	400
8	200	300	300	350	300	400	300	500
10	250	375	375	450	375	500	375	650
12	300	375	450	450	450	500	450	700
14	350	450	525	550	525	600	525	800
16	400	450	600	600	600	600	600	850
18	450	450	675	600	450	600	450	850
20	500	450	750	600	500	600	500	850
24	600	550	900	750	600	750	600	1000
26	650	550	975	750	650	750	650	1000
28	700	550	1050	800	700	750	700	1100
30	750	600	1125	850	750	850	750	1100
32	800	600	1200	850	800	850	800	1200
34	850	600	1275	850	850	850	850	1200
36	900	600	1350	900	900	900	900	1300
40	1000	750	1500	1100	1000	1100	1000	1500
42	1050	750	1500	1100	1000	1100	1000	1500
44	1100	750	1500	1100	1000	1100	1000	1500
48	1200	850	1800	1200	1200	1200	1200	1700
52	1300	850	1800	1200	1200	1200	1200	1700
56	1400	850	2100	1300	1400	1300	1400	1900
60	1500	850	2100	1300	1400	1300	1400	1900
64	1600	900	2400	1400	1600	1400	1600	2100
68	1700	900	2400	1400	1600	1400	1600	2100
72	1800	900	2700	1500	1800	1500	1800	2200
76	1900	900	2700	1500	1800	1500	1800	2200
80	2000	1000	3000	1600	2000	1600	2000	2500
84	2100	1000	3000	1600	2000	1600	2000	2500

Note: We are able to produce any other size as required by the purchaser.
(with maximum diameter of 3000mm)



Allpipes Technology Sdn. Bhd.

Sales Office

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email : allpipes@engtex.com.my

Factory Address

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