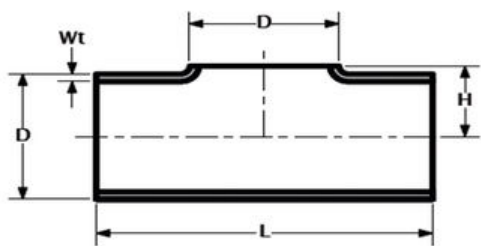
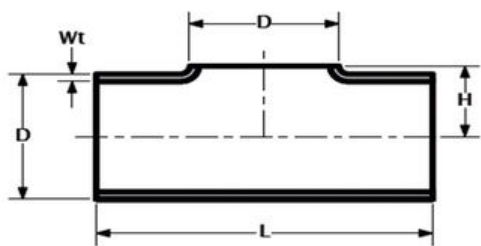


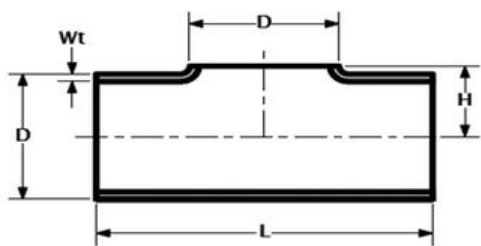
NOMINAL PIPE SIZE	OUTSIDE DIAMETER	WALL THICKNESS	SHORT PATTERN			LONG PATTERN		
			LENGTH	HEIGHT	WEIGHT	LENGTH	HEIGHT	WEIGHT
DN	D	C	L	H	KG	L	H	KG
-	18.0	1.5	-	-	-	50.0	25.0	0.04
-	20.0	1.5	-	-	-	50.0	25.0	0.04
15	21.3	1.6	-	-	-	50.0	25.0	0.04
15	21.3	2.0	51.0	12.0	0.04	50.0	25.0	0.05
15	21.3	3.2	-	-	-	50.0	25.0	0.08
15	21.3	4.0	-	-	-	50.0	25.0	0.10
-	23.0	1.5	51.0	13.0	0.04	50.0	25.0	0.05
-	25.0	1.5	57.0	14.0	0.05	56.0	28.0	0.06
20	26.9	1.6	57.0	15.0	0.05	58.0	29.0	0.06
20	26.9	2.0	57.0	15.0	0.06	58.0	29.0	0.08
20	26.9	3.2	-	-	-	58.0	29.0	0.13
20	26.9	4.0	-	-	-	58.0	29.0	0.16
-	28.0	1.5	57.0	15.5	0.05	56.0	28.0	0.07
-	30.0	1.5	76.0	17.0	0.08	76.0	38.0	0.11
-	30.0	2.0	76.0	17.0	0.09	76.0	38.0	0.12
-	33.0	1.5	76.0	19.0	0.11	76.0	38.0	0.14
25	33.7	1.6	76.0	19.0	0.08	76.0	38.0	0.11
25	33.7	2.0	76.0	19.0	0.11	76.0	38.0	0.14
25	33.7	2.3	-	-	-	76.0	38.0	0.16
25	33.7	3.0	76.0	19.0	0.17	76.0	38.0	0.22
25	33.7	3.2	-	-	-	76.0	38.0	0.24
25	33.7	4.5	-	-	-	76.0	38.0	0.30
-	34.0	2.0	76.0	19.0	0.11	76.0	38.0	0.15
-	38.0	1.5	95.0	20.5	0.14	94.0	47.0	0.18
-	40.0	1.5	95.0	22.0	0.15	-	-	-
32	42.4	1.6	95.0	24.0	0.14	96.0	48.0	0.18
32	42.4	2.0	95.0	24.0	0.17	96.0	48.0	0.23
32	42.4	2.6	-	-	-	96.0	48.0	0.30
32	42.4	3.0	95.0	24.0	0.26	96.0	48.0	0.34
32	42.4	3.6	-	-	-	96.0	48.0	0.41
32	42.4	5.0	-	-	-	96.0	48.0	0.57
-	43.0	1.5	95.0	23.8	0.17	94.0	47.0	0.22
-	44.0	2.0	95.0	25.6	0.17	94.0	47.0	0.23
-	44.5	1.5	95.0	25.6	0.17	94.0	47.0	0.23
-	44.5	2.0	-	-	-	94.0	47.0	0.24
40	48.3	1.6	114.0	26.0	-	114.0	57.0	0.25
40	48.3	2.0	114.0	26.0	0.23	114.0	57.0	0.31
40	48.3	2.6	-	-	-	114.0	57.0	0.40
40	48.3	3.0	114.0	26.0	0.35	114.0	57.0	0.46
40	48.3	3.6	-	-	-	114.0	57.0	0.55
40	48.3	5.0	-	-	-	114.0	57.0	0.77
-	50.8	1.5	114.0	28.00	0.18	114.0	57.0	0.24



NOMINAL PIPE SIZE	OUTSIDE DIAMETER	WALL THICKNESS	SHORT PATTERN			LONG PATTERN		
			LENGTH	HEIGHT	WEIGHT	LENGTH	HEIGHT	WEIGHT
DN	D	C	L	H	KG	L	H	KG
-	53.0	1.5	114.0	30.00	0.20	114.0	57.0	0.29
-	54.0	2.0	114.0	30.00	0.26	114.0	57.0	0.34
50	60.3	1.6	127.0	34.0	0.22	128.0	64.0	0.33
50	60.3	2.0	127.0	34.0	0.27	128.0	64.0	0.41
50	60.3	2.3	127.0	34.0	0.31	128.0	64.0	0.47
50	60.3	2.9	127.0	34.0	0.39	128.0	64.0	0.59
50	60.3	3.0	127.0	34.00	0.46	128.0	64.0	0.61
50	60.3	4.0	127.0	34.0	0.54	128.0	64.0	0.81
50	60.3	5.6	127.0	34.0	0.76	128.0	64.0	1.14
-	63.5	1.5	127.0	35.00	0.27	128.0	64.0	0.35
-	64.0	2.0	128.0	35.00	0.36	128.0	64.0	0.43
-	69.0	2.0	127.0	38.00	0.37	128.0	64.0	0.48
-	73.0	1.5	152.0	40.00	0.37	152.0	76.0	0.58
-	74.0	2.0	152.0	40.00	0.49	152.0	76.0	0.59
65	76.1	1.6	152.0	42.05	0.32	152.0	76.0	0.48
65	76.1	2.0	152.0	42.00	0.45	152.0	76.0	0.60
65	76.1	2.3	152.0	42.05	0.48	152.0	76.0	0.69
65	76.1	2.6	152.0	42.05	0.52	152.0	76.0	0.78
65	76.1	2.9	152.0	42.05	0.58	152.0	76.0	0.87
65	76.1	3.0	152.0	42.00	0.71	152.0	76.0	0.94
65	76.1	5.0	152.0	42.05	1.05	152.0	76.0	1.57
65	76.1	7.1	152.0	42.05	1.49	152.0	76.0	2.23
-	84.0	2.0	171.0	46.50	0.63	170.0	85.0	0.77
-	86.0	3.0	171.0	47.00	0.95	170.0	85.0	1.16
80	88.9	2.0	171.0	48.5	0.57	172.0	86.0	0.86
80	88.9	2.3	171.0	48.5	0.66	172.0	86.0	0.99
80	88.9	2.9	171.0	48.5	0.83	172.0	86.0	1.25
80	88.9	3.0	171.0	48.50	1.00	172.0	86.0	1.26
80	88.9	3.2	171.0	48.5	0.89	172.0	86.0	1.34
80	88.9	5.6	171.0	48.5	1.57	172.0	86.0	2.35
80	88.9	8.0	171.0	48.5	2.24	172.0	86.0	3.36
-	104.0	2.0	210.0	56.30	0.95	210.0	105.0	1.19
-	106.0	3.0	210.0	56.50	1.43	210.0	105.0	1.47
100	114.3	2.0	210.0	63.0	0.89	210.0	105.0	1.27
100	114.3	2.6	210.0	63.0	1.16	210.0	105.0	1.65
100	114.3	2.9	210.0	63.0	1.29	210.0	105.0	1.84
100	114.3	3.0	210.0	63.0	1.58	210.0	105.0	1.98
100	114.3	3.6	210.0	63.0	1.67	210.0	105.0	2.38
100	114.3	6.3	210.0	63.0	2.91	210.0	105.0	4.16
100	114.3	8.8	210.0	63.0	4.07	210.0	105.0	5.81
-	129.0	2.0	248.0	70.00	1.42	548.0	124.0	1.76
-	131.0	3.0	248.0	72.00	2.12	548.0	124.0	2.99



NOMINAL PIPE SIZE	OUTSIDE DIAMETER	WALL THICKNESS	SHORT PATTERN			LONG PATTERN		
			LENGTH	HEIGHT	WEIGHT	LENGTH	HEIGHT	WEIGHT
DN	D	C	L	H	KG	L	H	KG
125	139.7	2.0	250.0	77.85	2.23	148.0	124.0	1.86
125	139.7	2.6	248.0	76.0	2.90	148.0	124.0	2.42
125	139.7	3.0	248.0	76.0	3.35	148.0	124.0	2.79
125	139.7	3.2	248.0	76.0	3.58	148.0	124.0	2.98
125	139.7	4.0	248.0	76.0	4.46	148.0	124.0	3.72
125	139.7	6.3	248.0	76.0	7.03	148.0	124.0	5.86
125	139.7	10.0	248.0	76.0	11.16	148.0	124.0	9.30
-	154.0	2.0	286.0	84.00	1.56	286.0	143.0	2.03
-	156.0	3.0	286.0	85.00	2.09	286.0	143.0	2.99
150	168.3	2.0	284.0	92.0	2.68	286.0	143.0	2.98
150	168.3	2.6	284.0	92.0	3.41	286.0	143.0	3.76
150	168.3	3.0	284.0	92.0	3.05	286.0	143.0	3.81
150	168.3	3.2	284.0	92.0	3.65	286.0	143.0	4.06
150	168.3	4.5	284.0	92.0	5.15	286.0	143.0	5.72
150	168.3	7.1	284.0	92.0	8.12	286.0	143.0	9.02
150	168.3	11.0	284.0	92.0	12.57	286.0	143.0	13.97
-	204.0	2.0	356.0	110.00	3.79	356.0	178.0	3.84
-	206.0	3.0	356.0	110.00	4.69	356.0	178.0	5.72
200	219.1	2.0	400.0	122.0	3.91	356.0	178.0	4.34
200	219.1	2.6	358.0	122.0	5.08	356.0	178.0	5.64
200	219.1	3.0	358.0	122.0	4.69	356.0	178.0	6.51
200	219.1	3.6	358.0	122.0	7.03	356.0	178.0	7.81
200	219.1	6.3	358.0	122.0	12.30	356.0	178.0	13.67
200	219.1	8.0	358.0	122.0	15.62	356.0	178.0	17.36
200	219.1	12.5	358.0	122.0	24.42	356.0	178.0	27.13
-	256.0	3.0	500.0	264.00	9.35	-	-	-
250	273.0	2.0	500.0	151.0	6.31	432.0	216.0	7.01
250	273.0	3.0	433.0	151.0	7.95	-	-	-
250	273.0	3.6	500.0	151.0	11.36	432.0	216.0	12.62
250	273.0	4.0	500.0	151.0	12.63	432.0	216.0	14.03
250	273.0	6.3	500.0	151.0	19.88	432.0	216.0	22.09
250	273.0	10.0	500.0	151.0	31.55	432.0	216.0	35.06
-	306.0	3.0	600.0	316.00	13.40	-	-	-
300	323.9	2.6	600.0	176.95	17.28	508.0	254.0	15.03
300	323.9	3.0	508.0	177.00	-	-	-	-
300	323.9	4.0	600.0	176.95	26.59	508.0	254.0	23.12
300	323.9	4.5	600.0	176.95	29.91	508.0	254.0	26.01
300	323.9	7.1	600.0	176.95	47.20	508.0	254.0	41.04
300	323.9	10.0	600.0	176.95	66.47	508.0	254.0	57.80
350	355.6	2.6	700.0	194.80	26.42	558.0	279.0	22.97
350	355.6	4.0	700.0	194.80	40.63	558.0	279.0	35.33
350	355.6	5.0	700.0	194.80	50.78	558.0	279.0	44.16



NOMINAL PIPE SIZE	OUTSIDE DIAMETER	WALL THICKNESS	SHORT PATTERN			LONG PATTERN		
			LENGTH	HEIGHT	WEIGHT	LENGTH	HEIGHT	WEIGHT
DN	D	C	L	H	KG	L	H	KG
350	355.6	8.0	700.0	194.80	81.26	558.0	279.0	70.66
350	355.6	11.0	700.0	194.80	111.73	558.0	279.0	97.16
400	406.4	2.6	800.0	223.20	39.31	610.0	305.0	32.76
400	406.4	4.0	800.0	223.20	60.48	610.0	305.0	50.40
400	406.4	5.0	800.0	223.20	75.60	610.0	305.0	63.00
400	406.4	8.8	800.0	223.20	133.06	610.0	305.0	110.88
400	406.4	12.5	800.0	223.20	189.00	610.0	305.0	157.50
450	457.0	3.2	-	-	-	686.0	343.0	53.02
450	457.0	4.0	-	-	-	686.0	343.0	66.27
450	457.0	5.0	-	-	-	686.0	343.0	82.84
450	457.0	10.0	-	-	-	686.0	343.0	165.68
500	508.0	3.2	-	-	-	762.0	381.0	69.76
500	508.0	5.0	-	-	-	762.0	381.0	109.00
500	508.0	5.6	-	-	-	762.0	381.0	122.08
500	508.0	11.0	-	-	-	762.0	381.0	239.80
600	610.0	3.2	-	-	-	864.0	432.0	112.32
600	610.0	5.6	-	-	-	864.0	432.0	196.56
600	610.0	6.3	-	-	-	864.0	432.0	211.13
600	610.0	12.5	-	-	-	864.0	432.0	438.75