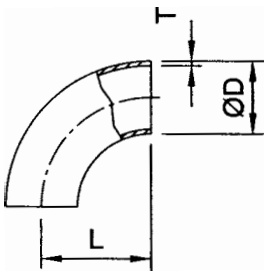


Unit: mm

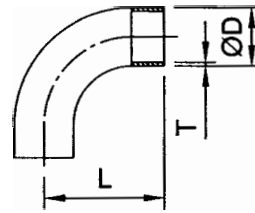
90° Short Bend



2WCL-90° Bend

SIZE	D	L	T
1.0"	25.4	38.10	1.65
1.5"	38.1	57.20	1.65
2.0"	50.8	76.20	1.65
2.5"	63.5	95.25	1.65
3.0"	76.2	114.30	1.65
4.0"	101.6	152.40	2.10

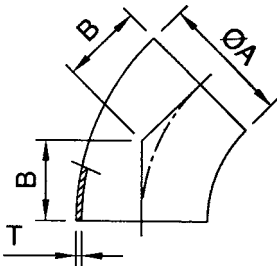
90° Long Bend



L2S-90° Bend

SIZE	D	L	T
1.0"	25.4	52.4	1.65
1.5"	38.1	74.6	1.65
2.0"	50.8	103.2	1.65
2.5"	63.5	131.8	1.65
3.0"	76.2	160.3	1.65
4.0"	101.6	211.1	2.10

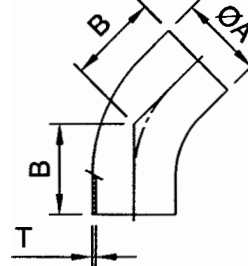
45° Short Elbow



2WCL-45° Elbow

SIZE	A	B	T
1.0"	25.4	15.8	1.65
1.5"	38.1	23.8	1.65
2.0"	50.8	31.75	1.65
2.5"	63.5	39.6	1.65
3.0"	76.2	47.6	1.65
4.0"	101.6	63.5	2.10

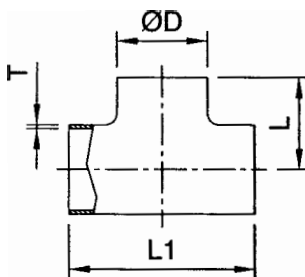
45° Long Elbow



L2KS-45° Elbow

SIZE	A	B	T
1.0"	25.4	30.2	1.65
1.5"	38.1	41.3	1.65
2.0"	50.8	58.7	1.65
2.5"	63.5	76.2	1.65
3.0"	76.2	93.7	1.65
4.0"	101.6	122.2	2.10

Welding Tee



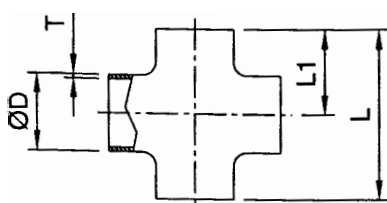
L7WWW-Short Tee

SIZE	D	L	L1	T
1.0"	25.4	28.6	57.2	1.65
1.5"	38.1	42.1	84.2	1.65
2.0"	50.8	52.4	104.8	1.65
2.5"	63.5	59.5	119.0	1.65
3.0"	76.2	65.9	131.8	1.65
4.0"	101.6	87.3	174.6	2.10

7W-Long Tee

SIZE	D	L	L1	T
1.0"	25.4	47.6	95.2	1.65
1.5"	38.1	57.2	114.4	1.65
2.0"	50.8	76.2	152.4	1.65
2.5"	63.5	76.2	152.4	1.65
3.0"	76.2	82.6	165.2	1.65
4.0"	101.6	98.4	196.8	2.10

Cross



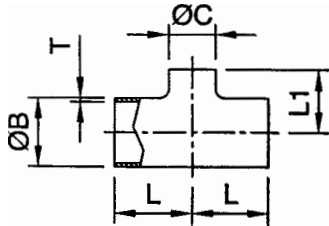
L9WWW-Cross

SIZE	D	L	L1	T
1.0"	25.4	57.2	28.6	1.65
1.5"	38.1	84.2	42.1	1.65
2.0"	50.8	104.8	52.4	1.65
2.5"	63.5	119.0	59.5	1.65
3.0"	76.2	131.8	65.9	1.65
4.0"	101.6	174.6	87.3	2.10

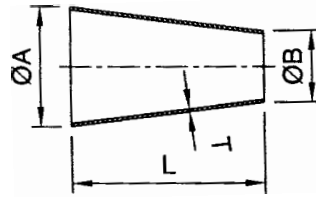
L9W-Long Cross

SIZE	D	L	L1	T
1.0"	25.4	95.2	47.6	1.65
1.5"	38.1	114.4	57.2	1.65
2.0"	50.8	152.4	76.2	1.65
2.5"	63.5	152.4	76.2	1.65
3.0"	76.2	165.2	82.6	1.65
4.0"	101.6	196.8	98.4	2.10

Long Reducing Tee



Concentric Reducer



Eccentric Reducer



L7RW-Long Reducing Tee

SIZE	B	C	L	L1	T
1.5"x1.0"	38.1	25.4	57.15	53.98	1.65
2.0"x1.0"	50.8	25.4	76.20	60.30	1.65
2.0"x1.5"	50.8	38.1	76.20	63.50	1.65
2.5"x1.5"	63.5	38.1	76.20	69.85	1.65
2.5"x2.0"	63.5	50.8	76.20	82.55	1.65
3.0"x1.5"	76.2	38.1	82.55	76.20	1.65
3.0"x2.0"	76.2	50.8	82.55	88.90	1.65
3.0"x2.5"	76.2	63.5	82.55	82.55	1.65
4.0"x2.0"	101.6	50.8	98.40	101.60	2.10
4.0"x2.5"	101.6	63.5	98.40	95.25	2.10
4.0"x3.0"	101.6	76.2	98.40	95.25	2.10

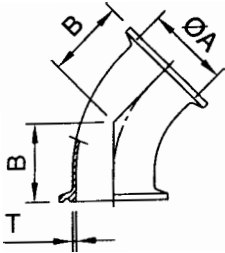
L31-Concentric Reducer

SIZE	A	B	L	T
1.5"x1.0"	38.1	25.4	50.8	1.65
2.0"x1.5"	50.8	38.1	50.8	1.65
2.5"x1.5"	63.5	38.1	101.6	1.65
2.5"x2.0"	63.5	50.8	50.8	1.65
3.0"x1.5"	76.2	38.1	152.4	1.65
3.0"x2.0"	76.2	50.8	101.6	1.65
3.0"x2.5"	76.2	63.5	50.8	1.65
4.0"x1.5"	101.6	38.1	254.0	2.10
4.0"x2.0"	101.6	50.8	203.2	2.10
4.0"x2.5"	101.6	63.5	152.4	2.10
4.0"x3.0"	101.6	76.2	101.6	2.10

L32-Eccentric Reducer

SIZE	A	B	L	T
1.5"x1.0"	38.1	25.4	50.8	1.65
2.0"x1.5"	50.8	38.1	50.8	1.65
2.5"x1.5"	63.5	38.1	101.6	1.65
2.5"x2.0"	63.5	50.8	50.8	1.65
3.0"x1.5"	76.2	38.1	152.4	1.65
3.0"x2.0"	76.2	50.8	101.6	1.65
3.0"x2.5"	76.2	63.5	50.8	1.65
4.0"x1.5"	101.6	38.1	254.0	2.10
4.0"x2.0"	101.6	50.8	203.2	2.10
4.0"x2.5"	101.6	63.5	152.4	2.10
4.0"x3.0"	101.6	76.2	101.6	2.10

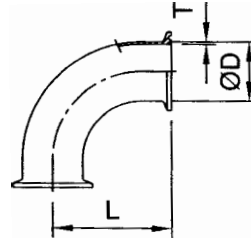
45° Clamp Elbow



2KMP-45° Elbow

SIZE	A	B	T
1.0"	25.4	28.5	1.65
1.5"	38.1	36.5	1.65
2.0"	50.8	44.45	1.65
2.5"	63.5	52.3	1.65
3.0"	76.2	60.3	1.65
4.0"	101.6	76.2	2.10

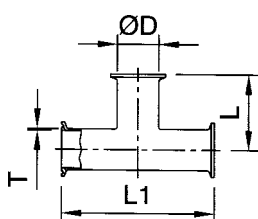
90° Clamp Bend



2CMP-90° Bend

SIZE	D	L	T
1.0"	25.4	50.8	1.65
1.5"	38.1	69.9	1.65
2.0"	50.8	88.9	1.65
2.5"	63.5	107.95	1.65
3.0"	76.2	127.0	1.65
4.0"	101.6	168.2	2.10

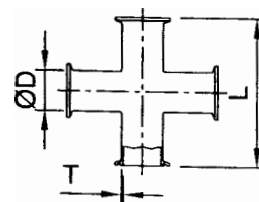
Clamp Tee



7MP-Clamp long Tee

SIZE	D	L	L1	T
1.0"	25.4	60.3	120.6	1.65
1.5"	38.1	69.9	139.8	1.65
2.0"	50.8	88.9	177.8	1.65
2.5"	63.5	88.9	177.8	1.65
3.0"	76.2	95.3	190.6	1.65
4.0"	101.6	114.2	228.4	2.10

Clamp Cross

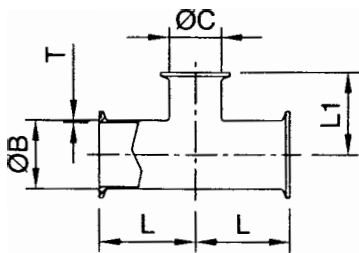


9MP-Clamp Long Cross

SIZE	D	L	L1	T
1.0"	25.4	120.6	60.3	1.65
1.5"	38.1	139.8	69.9	1.65
2.0"	50.8	177.8	88.9	1.65
2.5"	63.5	177.8	88.9	1.65
3.0"	76.2	190.6	95.3	1.65
4.0"	101.6	228.4	114.2	2.10

Unit: mm

Reducing Tee

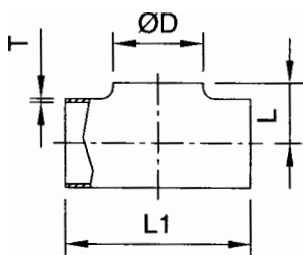


L7RMP-Reducing Tee Clamp End

SIZE	B	C	L	L1
1.5"x1.0"	38.1	25.4	69.85	66.68
2.0"x1.0"	50.8	25.4	88.90	73.00
2.0"x1.5"	50.8	38.1	88.90	76.20
2.5"x1.5"	63.5	38.1	88.90	82.55
2.5"x2.0"	63.5	50.8	88.90	95.25
3.0"x1.5"	76.2	38.1	95.25	88.90

SIZE	B	C	L	L1
3.0"x2.0"	76.2	50.8	95.25	101.60
3.0"x2.5"	76.2	63.5	95.25	95.25
4.0"x2.0"	101.6	50.8	114.20	114.30
4.0"x2.5"	101.6	63.5	114.20	107.95
4.0"x3.0"	101.6	76.2	114.20	107.95

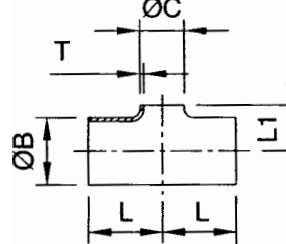
Equal Tee



Equal Tee W/O Straight end

SIZE	D	L	L1	T
1.0"	25.4	16	57.2	1.65
1.5"	38.1	22	84.2	1.65
2.0"	50.8	29	104.8	1.65
2.5"	63.5	35	119.0	1.65
3.0"	76.2	41	131.8	1.65
4.0"	101.6	54	174.6	2.10

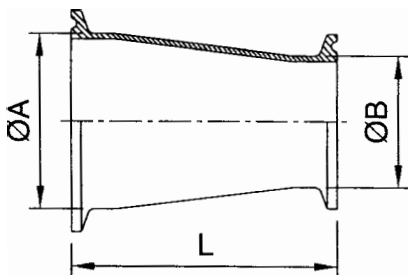
Reducing Tee



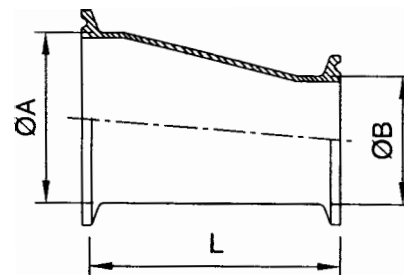
Reducing Tee W/O Straight end

SIZE	B	C	L	L1
1.5"x1.0"	38.1	25.4	42.1	22
2.0"x1.5"	50.8	38.1	52.4	29
2.5"x2.0"	63.5	50.8	59.5	35
3.0"x2.0"	76.2	50.8	65.9	41
3.0"x2.5"	76.2	63.5	65.9	41
4.0"x2.0"	101.6	50.8	117.5	54
4.0"x2.5"	101.6	63.5	117.5	54
4.0"x3.0"	101.6	76.2	117.5	54

Concentric Reducer



Eccentric Reducer

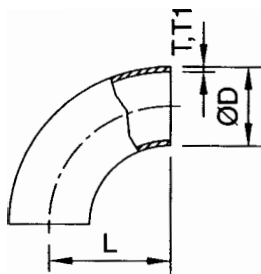


31-14MP Concentric Reducer Clamp End

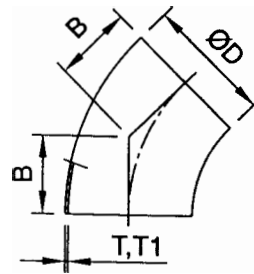
SIZE	A	B	L
1.5"x1.0"	38.1	25.4	76.2
2.0"x1.5"	50.8	38.1	76.2
2.5"x1.5"	63.5	38.1	127.0
2.5"x2.0"	63.5	50.8	76.2
3.0"x1.5"	76.2	38.1	177.8
3.0"x2.0"	76.2	50.8	127.0
3.0"x2.5"	76.2	63.5	76.2
4.0"x1.5"	101.6	38.1	282.5
4.0"x2.0"	101.6	50.8	231.7
4.0"x2.5"	101.6	63.5	180.9
4.0"x3.0"	101.6	76.2	130.1

32-14MP Eccentric Reducer Clamp End

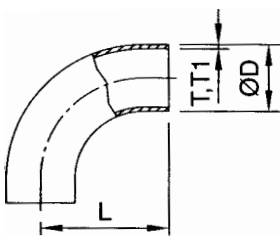
SIZE	A	B	L
1.5"x1.0"	38.1	25.4	76.2
2.0"x1.5"	50.8	38.1	76.2
2.5"x1.5"	63.5	38.1	127.0
2.5"x2.0"	63.5	50.8	76.2
3.0"x1.5"	76.2	38.1	177.8
3.0"x2.0"	76.2	50.8	127.0
3.0"x2.5"	76.2	63.5	76.2
4.0"x1.5"	101.6	38.1	282.5
4.0"x2.0"	101.6	50.8	231.7
4.0"x2.5"	101.6	63.5	180.9
4.0"x3.0"	101.6	76.2	130.1

90° Tube Bend

90° Short Tube Bend

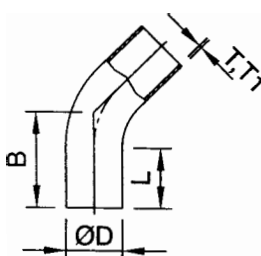
SIZE	D	L	T	T1
25	25	37.5	1.25	1.5
38	38	57.0	1.25	1.5
51	51	76.5	1.25	1.5
63.5	63.5	95.25	1.50	1.5
76	76.1	114.15	1.60	2.0
104	104	152.1	2.00	2.0

45° Elbow

45° Short Elbow

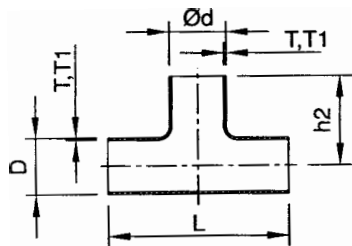
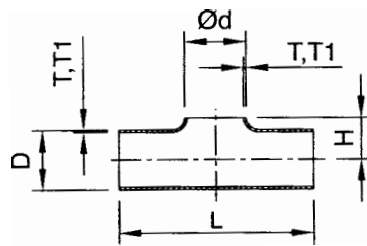
SIZE	D	B	T	T1
25	25	15.53	1.25	1.5
38	38	23.61	1.25	1.5
51	51	31.69	1.25	1.5
63.5	63.5	39.45	1.50	1.5
76	76.1	47.28	1.60	2.0
104	104	63.0	2.00	2.0

90° Tube Bend

90° Long Tube Bend

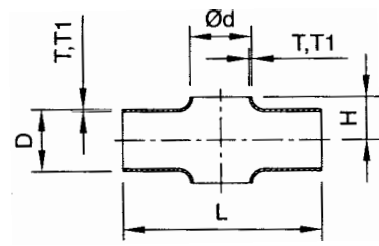
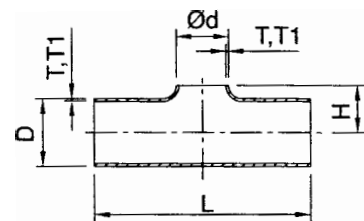
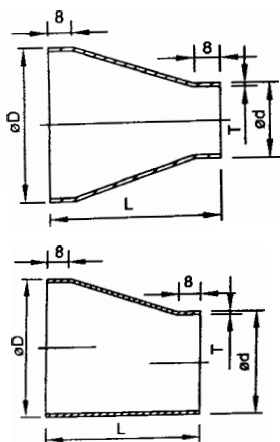
SIZE	D	L	T	T1
25	25	52.5	1.25	1.5
38	38	72.0	1.25	1.5
51	51	91.5	1.25	1.5
63.5	63.5	113.25	1.50	1.5
76	76.1	132.15	1.60	2.0
104	104	172.1	2.00	2.0

45° Elbow

45° Long Elbow

SIZE	D	L	B	T	T1
25	25	27	42.53	1.25	1.5
38	38	33	56.61	1.25	1.5
51	51	37	68.69	1.25	1.5
63.5	63.5	38	78.45	1.50	1.5
76	76.1	38	85.28	1.60	2.0
104	104	40	103.0	2.00	2.0

Tee With Straight-End

Tee Without Straight-End


SIZE	ØD	T	T1	L	h2	H	Ød
25	25	1.25	1.5	110	55	15	25
38	38	1.25	1.5	140	70	21	38
51	51	1.25	1.5	164	81	29	51
63.5	63.5	1.50	1.5	210	105	36	63.5
76.1	76.1	1.60	2.0	220	110	44	76.1
104	104	2.00	2.0	300	150	58	104

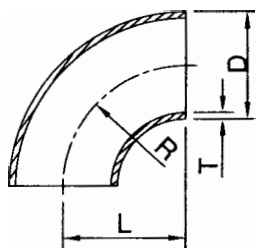
Welding Cross Without Straight-End

Welding Reducing Tee Without Straight-End

SMS Eccentric / Concentric Reducer


SIZE	ØD	T	Ød	t	L	L1
38x25	38	1.50	25	1.50	39	46
51x25	51	1.50	25	1.50	57	68
51x38	51	1.50	38	1.50	39	47
63.5x25	63.5	1.50	25	1.50	74	92
63.5x38	63.5	1.50	38	1.50	57	70
63.5x51	63.5	1.50	51	1.50	39	44
76x25	76.1	1.65	25	1.50	92	92
76x38	76.1	1.65	38	1.50	74	92
76x51	76.1	1.65	51	1.50	57	68
76x63.5	76.1	1.65	63.5	1.65	39	47
104x51	104	2.00	51	1.50	95	117
104x63.5	104	2.00	63.5	1.50	78	94
104x76	104	2.00	76.1	1.60	60	74

SIZE	ØD	T	L	H	Ød	T1
38x25	38	1.25	140	21	25	1.50
51x25	51	1.25	164	29	25	1.50
51x38	51	1.25	164	29	38	1.50
63.5x25	63.5	1.50	210	36	25	1.50
63.5x38	63.5	1.50	210	36	38	1.50
63.5x51	63.5	1.50	210	36	51	1.50
76.1x25	76.1	1.60	220	44	25	2.00
76.1x38	76.1	1.60	220	44	38	2.00
76.1x51	76.1	1.60	220	44	51	2.00
76.1x63.5	76.1	1.60	220	44	63.5	2.00
104x25	104	2.00	300	58	25	2.00
104x38	104	2.00	300	58	38	2.00
104x51	104	2.00	300	58	51	2.00
104x63.5	104	2.00	300	58	63.5	2.00
104x76.1	104	2.00	300	58	76.1	2.00

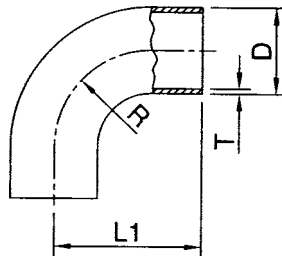
Unit: mm

DIN 90° Short Bend



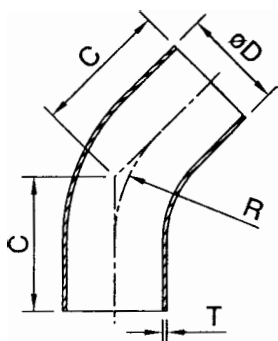
SIZE	D	L1	R	T
DN25	28	50	50	1.5
DN32	34	55	55	1.5
DN40	40	60	60	1.5
DN50	52	70	70	1.5
DN65	70	80	80	2.0
DN80	85	90	90	2.0
DN100	101.6	133	133	2.0
DN100	104	100	100	2.0

DIN 90° Long Bend



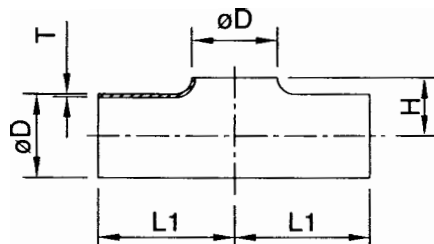
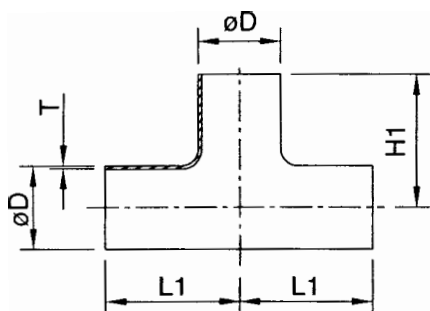
SIZE	D	L1	R	T
DN25	28	65	50	1.5
DN32	34	73	55	1.5
DN40	40	80	60	1.5
DN50	52	92	70	1.5
DN65	70	105	80	2.0
DN80	85	119	90	2.0
DN100	101.6	175	133	2.0
DN100	104	140	100	2.0

DIN 45° Long Bend



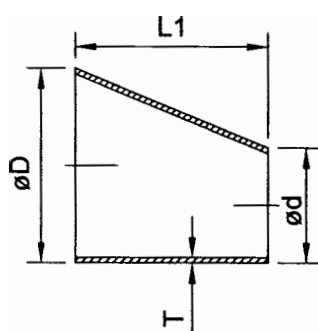
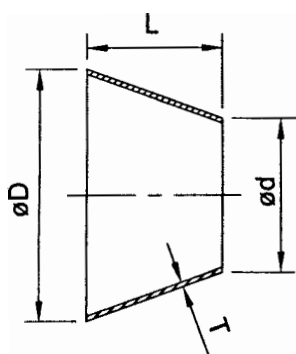
SIZE	D	C	R	T
DN25	28	20	20	1.5
DN32	34	23	23	1.5
DN40	40	20	20	1.5
DN50	52	27	27	1.5
DN65	70	30	30	2.0
DN80	85	33	33	2.0
DN100	104	40	40	2.0

DIN Tee & Pull Tee



SIZE	øD	H	H1	L1	T
DN20	22	13	47	47	1.5
DN25	28	15.5	50	50	1.5
DN32	34	19	55	55	1.5
DN40	40	22	60	60	1.5
DN50	52	28.5	70	70	1.5
DN65	70	39.5	80	80	2.0
DN80	85	46.5	90	90	2.0
DN100	101.6	56	150	150	2.0
DN100	104	58	100	100	2.0

DIN Concentric Reducer



SIZE	øD	ød	T	L	L1
32X25	32	26	1.5	11	16.5
40X25	38	26	1.5	22	33
40X32	38	32	1.5	11	16.5
50X25	50	26	1.5	44	66
50X32	50	32	1.5	33	49.5
50X40	50	38	1.5	22	33
65X40	66	38	2.0	51	77
65X50	66	50	2.0	29	44
80X50	81	50	2.0	56	85
80X65	81	66	2.0	27	41.2
100X50	100	50	2.0	90	137.5
100X65	100	66	2.0	61	93.5
100X80	100	81	2.0	34	52.5