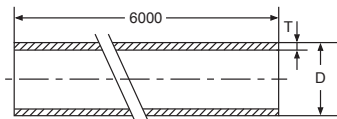


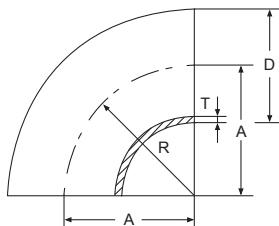
Tube

DIN 11850



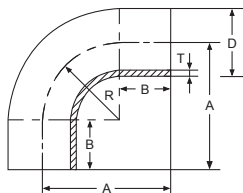
Size	DxT
DN10	12x1.5
10	13x1.5
15	18x1.5
15	19x1.5
20	22x1.5
20	23x1.5
25	28x1.5
25	29x1.5
32	34x1.5
32	35x1.5
40	40x1.5
40	41x1.5
50	52x1.5
50	53x1.5
65	70x2.0
80	85x2.0
100	104x2.0
125	129x2.0
150	154x2.0
200	204x2.0
250	254x2.0
300	306x3.0

90° Elbow



Size	DxT	A	R
DN10	12x1.5	26	26
10	13x1.5	26	26
15	18x1.5	35	35
15	19x1.5	35	35
20	22x1.5	40	40
20	23x1.5	40	40
25	28x1.5	50	50
25	29x1.5	50	50
32	34x1.5	55	55
32	35x1.5	55	55
40	40x1.5	60	60
40	41x1.5	60	60
50	52x1.5	70	70
50	53x1.5	70	70
65	70x2.0	80	80
80	85x2.0	90	90
100	104x2.0	100	100
125	129x2.0	187.5	187.5
150	154x2.0	225	225
200	204x2.0	300	300
250	254x2.0	375	375
300	306x3.0	300	300

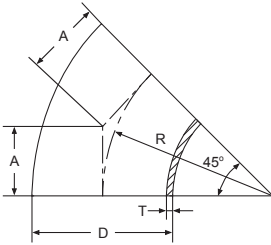
90° Elbow Long



Size	DxT	A	B	R
DN25	28x1.5	70	20	50
25	29x1.5	70	20	50
32	34x1.5	78	23	55
32	35x1.5	78	23	55
40	40x1.5	85	25	60
40	41x1.5	85	25	60
50	52x1.5	97	27	70
50	53x1.5	97	27	70
65	70x2.0	110	30	80
80	85x2.0	118	28	90
100	104x2.0	140	40	100

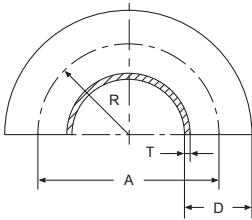
45° Elbow

DIN 11850



Size	DxT	A	R
DN10	12x1.5	10.8	26
10	13x1.5	10.8	26
15	18x1.5	14.5	35
15	19x1.5	14.5	35
20	22x1.5	16.6	40
20	23x1.5	16.6	40
25	28x1.5	20.7	50
25	29x1.5	20.7	50
32	34x1.5	22.8	55
32	35x1.5	22.8	55
40	40x1.5	24.9	60
40	41x1.5	24.9	60
50	52x1.5	29.1	70
50	53x1.5	29.1	70
65	70x2.0	33.1	80
80	85x2.0	37.3	90
100	104x2.0	41.4	100
125	129x2.0	77.7	187.5
150	154x2.0	93.2	225

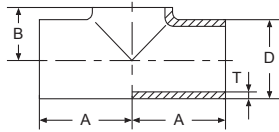
180° Elbow



Size	DxT	A	R
DN15	18x1.5	70	35
15	19x1.5	70	35
20	22x1.5	80	40
20	23x1.5	80	40
25	28x1.5	100	50
25	29x1.5	100	50
32	34x1.5	110	55
32	35x1.5	110	55
40	40x1.5	120	60
40	41x1.5	120	60
50	52x1.5	140	70
50	53x1.5	140	70
65	70x2.0	160	80
80	85x2.0	180	90
100	104x2.0	200	100
125	129x2.0	375	187.5
150	154x2.0	450	225
200	204x2.0	600	300
250	254x2.0	750	375

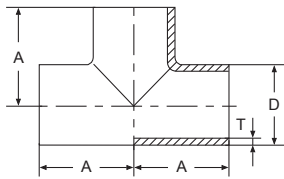
Tee Short

DIN 11850



Size	DxT	A	B
DN20	22x1.5	40	12.5
20	23x1.5	40	13
25	28x1.5	50	16
25	29x1.5	50	16
32	34x1.5	55	19
32	35x1.5	55	19.5
40	40x1.5	60	22.5
40	41x1.5	60	23
50	52x1.5	70	29.5
50	53x1.5	70	30
65	70x2.0	80	40
80	85x2.0	90	47.5
100	104x2.0	100	58
125	129x2.0	187.5	74
150	154x2.0	225	90
200	204x2.0	300	115
250	254x2.0	350	177
300	306x3.0	350	203

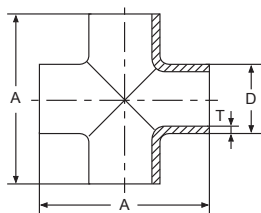
Equal Tee



Size	DxT	A
DN10	12x1.5	26
10	13x1.5	26
15	18x1.5	35
15	19x1.5	35
20	22x1.5	40
20	23x1.5	40
25	28x1.5	50
25	29x1.5	50
32	34x1.5	55
32	35x1.5	55
40	40x1.5	60
40	41x1.5	60
50	52x1.5	70
50	53x1.5	70
65	70x2.0	80
80	85x2.0	90
100	104x2.0	100
125	129x2.0	187.5
150	154x2.0	225
200	204x2.0	300
250	254x2.0	350
300	306x3.0	350

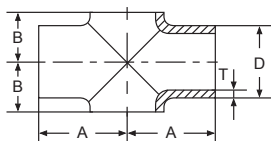
Cross Tee

DIN 11850



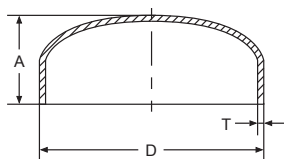
Size	DxT	A
DN15	18x1.5	70
15	19x1.5	70
20	22x1.5	80
20	23x1.5	80
25	28x1.5	100
25	29x1.5	100
32	34x1.5	110
32	35x1.5	110
40	40x1.5	120
40	41x1.5	120
50	52x1.5	140
50	53x1.5	140
65	70x2.0	160
80	85x2.0	180
100	104x2.0	200
125	129x2.0	375
150	154x2.0	450
200	204x2.0	600
250	254x2.0	700
300	306x3.0	700

Cross Tee Short



Size	DxT	A	B
DN20	22x1.5	40	12.5
20	23x1.5	40	13
25	28x1.5	50	16
25	29x1.5	50	16
32	34x1.5	55	19
32	35x1.5	55	19.5
40	40x1.5	60	22.5
40	41x1.5	60	23
50	52x1.5	70	29.5
50	53x1.5	70	30
65	70x2.0	80	40
80	85x2.0	90	47.5
100	104x2.0	100	58
125	129x2.0	187.5	74
150	154x2.0	225	90
200	204x2.0	300	115
250	254x2.0	350	177
300	306x3.0	350	203

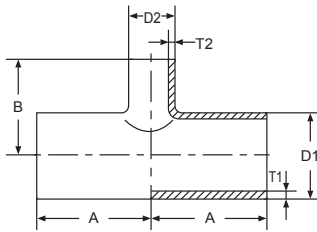
Tube End Cap



Size	DxT	A
DN25	28x1.5	11
32	34x1.5	14
40	40x1.5	14
50	52x1.5	17
65	70x2.0	22
80	85x2.0	24
100	104x2.0	28
125	129x2.0	33
150	154x2.0	38
200	204x2.0	47
250	254x2.0	65

Reducing Tee

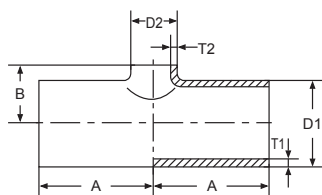
DIN 11850



Size	D1xT1	D2xT2	A	B
DN20/15	22×1.5	18×1.5	40	37
20/15	23×1.5	19×1.5	40	37
25/15	28×1.5	18×1.5	50	40
25/15	29×1.5	19×1.5	50	40
25/20	28×1.5	22×1.5	50	43
25/20	29×1.5	23×1.5	50	43
32/20	34×1.5	22×1.5	55	46
32/20	35×1.5	23×1.5	55	46
32/25	34×1.5	28×1.5	55	53
32/25	35×1.5	29×1.5	55	53
40/25	40×1.5	28×1.5	60	53
40/25	41×1.5	29×1.5	60	53
40/32	40×1.5	34×1.5	60	58
40/32	41×1.5	35×1.5	60	58
50/25	52×1.5	28×1.5	70	62
50/25	53×1.5	29×1.5	70	62
50/32	52×1.5	34×1.5	70	64
50/32	53×1.5	35×1.5	70	64
50/40	52×1.5	40×1.5	70	66
50/40	53×1.5	41×1.5	70	66
65/25	70×2.0	28×1.5	80	70.5
65/25	70×2.0	29×1.5	80	70.5
65/40	70×2.0	40×1.5	80	74.5
65/40	70×2.0	41×1.5	80	74.5
65/50	70×2.0	52×1.5	80	78.5
65/50	70×2.0	53×1.5	80	78.5
80/25	85×2.0	28×1.5	90	78
80/25	85×2.0	29×1.5	90	78
80/40	85×2.0	40×1.5	90	82
80/40	85×2.0	41×1.5	90	82
80/50	85×2.0	52×1.5	90	86
80/50	85×2.0	53×1.5	90	86
80/65	85×2.0	70×2.0	90	87.5
100/25	104×2.0	28×1.5	100	92.5
100/25	104×2.0	29×1.5	100	92.5
100/40	104×2.0	40×1.5	100	94
100/40	104×2.0	41×1.5	100	94
100/50	104×2.0	52×1.5	100	95.5
100/50	104×2.0	53×1.5	100	95.5
100/65	104×2.0	70×2.0	100	97
100/80	104×2.0	85×2.0	100	99.5
125/25	129×2.0	28×1.5	187.5	187.5
125/32	129×2.0	34×1.5	187.5	187.5
125/40	129×2.0	40×1.5	187.5	187.5
125/50	129×2.0	52×1.5	187.5	187.5
125/65	129×2.0	70×2.0	187.5	109.5
125/80	129×2.0	85×2.0	187.5	112
125/100	129×2.0	104×2.0	187.5	112.5
150/25	154×2.0	28×1.5	225	225
150/32	154×2.0	34×1.5	225	225
150/40	154×2.0	40×1.5	225	225
150/50	154×2.0	52×1.5	225	225
150/65	154×2.0	70×2.0	225	124
150/80	154×2.0	85×2.0	225	124.5
150/100	154×2.0	104×2.0	225	125
150/125	154×2.0	129×2.0	225	200
200/25	204×2.0	28×1.5	150	150
200/32	204×2.0	34×1.5	150	150
200/40	204×2.0	40×1.5	150	150
200/50	204×2.0	52×1.5	150	150
200/65	204×2.0	70×2.0	300	115
200/80	204×2.0	85×2.0	300	130
200/100	204×2.0	104×2.0	300	150
200/125	204×2.0	129×2.0	300	225
200/150	204×2.0	154×2.0	300	250

Reducing Tee Short

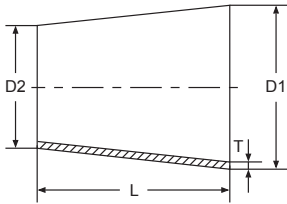
DIN 11850



Size	D1xT1	D2xT2	A	B
DN20/15	22x1.5	18x1.5	40	12.5
20/15	23x1.5	19x1.5	40	13
25/15	28x1.5	18x1.5	50	16
25/15	29x1.5	19x1.5	50	16
25/20	28x1.5	22x1.5	50	16
25/20	29x1.5	23x1.5	50	16
32/20	34x1.5	22x1.5	55	19
32/20	35x1.5	23x1.5	55	19
32/25	34x1.5	28x1.5	55	19
32/25	35x1.5	29x1.5	55	19
40/25	40x1.5	28x1.5	60	22
40/25	41x1.5	29x1.5	60	22
40/32	40x1.5	34x1.5	60	22.5
40/32	41x1.5	35x1.5	60	22.5
50/25	52x1.5	28x1.5	70	28
50/25	53x1.5	29x1.5	70	28
50/32	52x1.5	34x1.5	70	28.5
50/32	53x1.5	35x1.5	70	28.5
50/40	52x1.5	40x1.5	70	29
50/40	53x1.5	41x1.5	70	29
65/25	70x2.0	28x1.5	80	37
65/25	70x2.0	29x1.5	80	37
65/40	70x2.0	40x1.5	80	37.5
65/40	70x2.0	41x1.5	80	37.5
65/50	70x2.0	52x1.5	80	38.5
65/50	70x2.0	53x1.5	80	38.5
80/25	85x2.0	28x1.5	90	45
80/25	85x2.0	29x1.5	90	45
80/40	85x2.0	40x1.5	90	45
80/40	85x2.0	41x1.5	90	45
80/50	85x2.0	52x1.5	90	46
80/50	85x2.0	53x1.5	90	46
80/65	85x2.0	70x2.0	90	47.5
100/25	104x2.0	28x1.5	100	55.5
100/25	104x2.0	29x1.5	100	55.5
100/40	104x2.0	40x1.5	100	55.5
100/40	104x2.0	41x1.5	100	55.5
100/50	104x2.0	52x1.5	100	55.5
100/50	104x2.0	53x1.5	100	55.5
100/65	104x2.0	70x2.0	100	57
100/80	104x2.0	85x2.0	100	57
125/25	129x2.0	28x1.5	187.5	68.5
125/32	129x2.0	34x1.5	187.5	68.5
125/40	129x2.0	40x1.5	187.5	69.5
125/50	129x2.0	52x1.5	187.5	69.5
125/65	129x2.0	70x2.0	187.5	69.5
125/80	129x2.0	85x2.0	187.5	69.5
125/100	129x2.0	104x2.0	187.5	70.5
150/25	154x2.0	28x1.5	225	82
150/32	154x2.0	34x1.5	225	82
150/40	154x2.0	40x1.5	225	82
150/50	154x2.0	52x1.5	225	82
150/65	154x2.0	70x2.0	225	82
150/80	154x2.0	85x2.0	225	82
150/100	154x2.0	104x2.0	225	83
150/125	154x2.0	129x2.0	225	86.5
200/25	204x2.0	28x1.5	300	110
200/32	204x2.0	34x1.5	300	110
200/40	204x2.0	40x1.5	300	110
200/50	204x2.0	52x1.5	300	110
200/65	204x2.0	70x2.0	300	108
200/80	204x2.0	85x2.0	300	108
200/100	204x2.0	104x2.0	300	108
200/125	204x2.0	129x2.0	300	111.5
200/150	204x2.0	154x2.0	300	111.5

Concentric Reducer

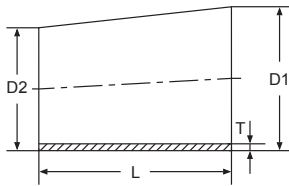
DIN 11850



Size	D1xD2xT	L
DN15/10	18×12x1.5	11
15/10	19×13x1.5	11
20/10	22×12x1.5	18
20/10	23×13x1.5	18
20/15	22×18x1.5	17
20/15	23×19x1.5	17
25/10	28×12x1.5	29
25/10	29×13x1.5	29
25/15	28×18x1.5	18
25/15	29×19x1.5	18
25/20	28×22x1.5	11
25/20	29×23x1.5	11
32/20	34×22x1.5	22
32/20	35×23x1.5	22
32/25	34×28x1.5	11
32/25	35×29x1.5	11
40/20	40×22x1.5	33
40/20	41×23x1.5	33
40/25	40×28x1.5	22
40/25	41×29x1.5	22
40/32	40×34x1.5	11
40/32	41×35x1.5	11
50/25	52×28x1.5	44
50/25	53×29x1.5	44
50/32	52×34x1.5	33
50/32	53×35x1.5	33
50/40	52×40x1.5	22
50/40	53×41x1.5	22
65/25	70×28x2.0	74.8
65/25	70×29x2.0	73
65/32	70×34x2.0	63.8
65/32	70×35x2.0	62
65/40	70×40x2.0	52.8
65/40	70×41x2.0	51
65/50	70×52x2.0	30.8
65/50	70×53x2.0	29
80/25	85×28x2.0	101.8
80/25	85×29x2.0	100
80/32	85×34x2.0	90.8
80/32	85×35x2.0	89
80/40	85×40x2.0	79.8
80/40	85×41x2.0	78
80/50	85×52x2.0	57.8
80/50	85×53x2.0	56
80/65	85×70x2.0	27
100/40	104×40x2.0	113.8
100/40	104×41x2.0	112
100/50	104×52x2.0	91.8
100/50	104×53x2.0	90
100/65	104×70x2.0	61
100/80	104×85x2.0	34
125/65	129×70x2.0	106
125/80	129×85x2.0	79
125/100	129×104x2.0	45
150/80	154×85x2.0	124
150/100	154×104x2.0	90
150/125	154×129x2.0	45
200/100	204×104x2.0	186
200/125	204×129x2.0	140
200/150	204×154x2.0	93

Eccentric Reducer

DIN 11850



Size	D1xD2xT	L
DN20/15	22×18x1.5	11
20/15	23×19x1.5	11
25/15	28×18x1.5	27.5
25/15	29×19x1.5	27.5
25/20	28×22x1.5	16.5
25/20	29×23x1.5	16.5
32/20	34×22x1.5	33
32/20	35×23x1.5	33
32/25	34×28x1.5	16.5
32/25	35×29x1.5	16.5
40/25	40×28x1.5	33
40/25	41×29x1.5	33
40/32	40×34x1.5	16.5
40/32	41×35x1.5	16.5
50/25	52×28x1.5	65.9
50/25	53×29x1.5	65.9
50/32	52×34x1.5	49.5
50/32	53×35x1.5	49.5
50/40	52×40x1.5	33
50/40	53×41x1.5	33
65/40	70×40x2.0	79.6
65/40	70×41x2.0	76.9
65/50	70×52x2.0	46.7
65/50	70×53x2.0	44
80/40	85×40x2.0	120.8
80/40	85×41x2.0	118.1
80/50	85×52x2.0	87.9
80/50	85×53x2.0	85.2
80/65	85×70x2.0	41.2
100/40	104×40x2.0	173.1
100/40	104×41x2.0	170.3
100/50	104×52x2.0	140.1
100/50	104×53x2.0	137.4
100/65	104×70x2.0	93.4
100/80	104×85x2.0	52.2
125/65	129×70x2.0	161.2
125/80	129×85x2.0	120.9
125/100	129×104x2.0	68.7
150/80	154×85x2.0	189.6
150/100	154×104x2.0	137.4
150/125	154×129x2.0	68.7
200/100	204×104x2.0	275
200/125	204×129x2.0	206
200/150	204×154x2.0	137