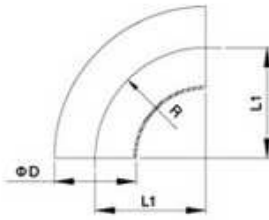


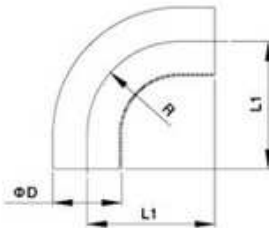
SANITARY FITTINGS





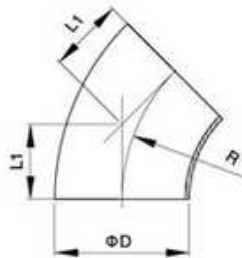
90° Welded Elbow

Size	L1	D	R
12.7	19.05	12.7	19.05
19	28.6	19	28.6
25	38.1	25.4	38.1
32	47.7	31.8	47.7
38	57.1	38.1	57.1
51	76.2	50.8	76.2
63	95.2	63.5	95.2
76	114.3	76.2	114.3
102	152.4	101.6	152.4
127	190.5	127	190.5
152	228.6	152.4	228.6



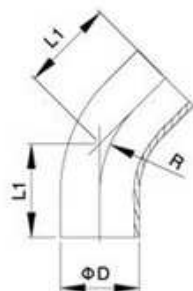
90° Welded Elbow with straight ends

Size	L1	D	R
25	55.0	25.4	32.0
38	70.0	38.1	45.0
51	82.0	50.8	58.0
63	105.0	63.5	70.0
76	110.0	76.2	76.0
102	150.0	101.6	110.0



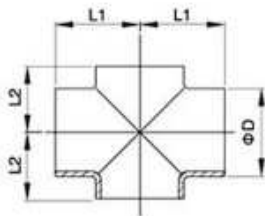
45° Short welded Elbow

Size	L1	D	R
25	15.5	25.4	38.1
38	23.6	38.1	57.2
51	31.6	50.8	76.2
63	39.5	63.5	95.3
76	47.2	76.2	114.3
102	63.0	101.6	152.4



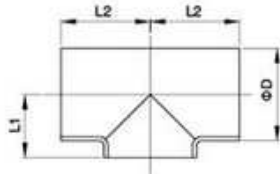
45° Long welded Elbow

Size	L1	D	R
25	42.5	25.4	38.7
38	56.8	38.1	57.2
51	68.6	50.8	76.2
63	78.4	63.5	95.2
76	85.2	76.2	114.3
102	103.0	101.6	152.4



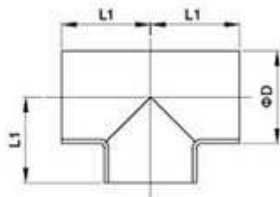
Welded Cross

Size	L1	L2	D
25	55.0	15.0	25.4
38	70.0	21.5	38.1
51	82.0	29.0	50.8
63.5	105.0	36.0	63.5
76.2	110.0	43.0	76.2
102	150.0	57.0	101.6



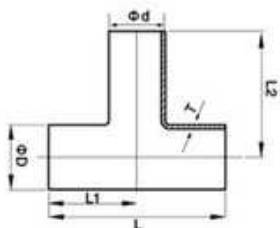
Short welded Tee

Size	L1	L2	D
25	15.0	55.0	25.4
38	21.5	70.0	38.1
51	29.0	82.0	50.8
63	36.0	105.0	63.5
76	43.0	110.0	76.2
102	57.0	150.0	101.6



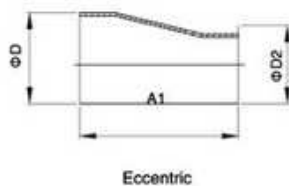
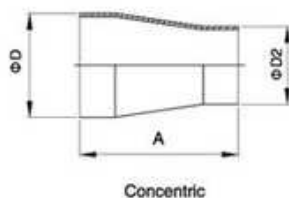
Long welded Tee

Size	L1	D
12.7	55.0	12.7
19	55.0	19
25	55.0	25.4
32	62.5	32
38	70.0	38.1
51	82.0	50.8
63	105.0	63.5
76	110.0	76.2
102	150.0	101.6



Reducing Welded Tee

Size	L	L1	Ø D	Ø d	T
25x19	110	55.0	25.0	19.05	1.25
38x19	140	70.0	38.0	19.05	1.25
38x25	140	70.0	38.0	25.0	1.25
51x25	164	82.0	51.0	25.0	1.25
51x38	164	82.0	51.0	38.0	1.25
63.5x25	210	105.0	63.5	25.0	1.5
63.5x38	210	105.0	63.5	38.0	1.5
63.5x51	210	105.0	63.5	51.0	1.5
76.1x25	220	110.0	76.1	25.0	1.6
76.1x38	220	110.0	76.1	38.0	1.6
76.1x51	220	110.0	76.1	51.0	1.6
76.1x63	220	110.0	76.1	63.0	1.6
101.6x51	300	150.0	101.6	51.0	2.0
101.6x63	300	150.0	101.6	63.5	2.0
101.6x76	300	150.0	101.6	76.1	2.0

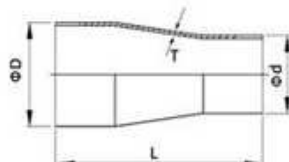


Welded Reducer

Size	A	A1	D	D2
1.5" / 1.0"	39.0	46.0	38.1	25.4
2.0" / 1.0"	57.0	68.0	50.8	25.4
2.0" / 1.5"	39.0	47.0	50.8	38.1
2.5" / 1.0"	74	92	63.5	25.4
2.5" / 1.5"	57.0	70.0	63.5	38.1
2.5" / 2.0"	39.0	44.0	63.5	50.8
3.0" / 1.0"	92	117	76.2	25.4
3.0" / 1.5"	74.0	92.0	76.2	38.1
3.0" / 2.0"	57.0	68.0	76.2	50.8
3.0" / 2.5"	39.0	47.0	76.2	63.5
4.0" / 1.5"	112	47.0	101.6	38.1
4.0" / 2.0"	95.0	117.0	101.6	50.8
4.0" / 2.5"	78.0	94.0	101.6	63.5
4.0" / 3.0"	60.0	74.0	101.6	76.2

Concentric Reducers With Straight End

Size	φ D	φ d	L	T
25x19	25.0	19.05	85.0	1.25
38x19	38.0	19.05	85.0	1.25
38x25	38.0	25.0	99.0	1.25
51x25	51.0	25.0	117.0	1.25
51x38	51.0	38.0	99.0	1.25
63.5x25	63.5	25.0	134.0	1.5
63.5x38	63.5	38.0	117.5	1.5
63.5x51	63.5	51.0	99.0	1.5
76.1x25	76.1	25.0	152.0	1.6
76.1x38	76.1	38.0	134.0	1.6
76.1x51	76.1	51.0	117.0	1.6
76.1x63	76.1	63.5	99.0	1.6
102x51	102.0	51.0	155.0	2.0
102x63	102.0	63.5	138.0	2.0
102x76	102.0	76.1	120.0	2.0



Eccentric Reducers With Straight End

Size	φ D	φ d	L	T
38x25	38.0	25.0	106.0	1.25
51x25	51.0	25.0	128.0	1.25
51x38	51.0	38.0	107.0	1.25
63.5x25	63.5	25.0	150.5	1.5
63.5x38	63.5	38.0	130.0	1.5
63.5x51	63.5	51.0	104.0	1.5
76.1x38	76.1	38.0	149.0	1.6
76.1x51	76.1	51.0	128.0	1.6
76.1x63	76.1	63.5	107.0	1.6
101x51	101.6	51.0	177.0	2.0
101x63	101.6	63.5	154.0	2.0
101x76	101.6	76.1	134.0	2.0
102x51	102.0	51.0	177.0	2.0
102x63	102.0	63.5	154.0	2.0
102x76	102.0	76.1	134.0	2.0

