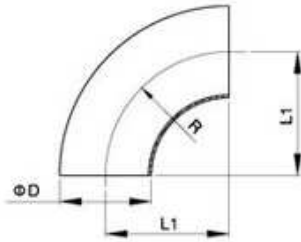


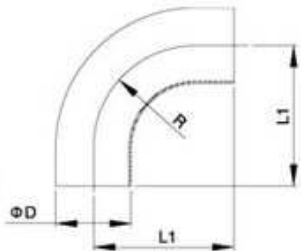
# SANITARY FITTINGS





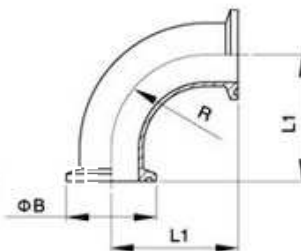
90° Welded Elbow

| Size  | L1    | D     | R     |
|-------|-------|-------|-------|
| DN10  | 26.0  | 12.0  | 26.0  |
| DN15  | 35.0  | 18.0  | 35.0  |
| DN20  | 40.0  | 22.0  | 40.0  |
| DN25  | 50.0  | 28.0  | 50.0  |
| DN32  | 55.0  | 34.0  | 55.0  |
| DN40  | 60.0  | 40.0  | 60.0  |
| DN50  | 70.0  | 52.0  | 70.0  |
| DN65  | 80.0  | 70.0  | 80.0  |
| DN80  | 90.0  | 85.0  | 90.0  |
| DN100 | 100.0 | 104.0 | 100.0 |
| DN125 | 187.0 | 129.0 | 187.0 |
| DN150 | 225.0 | 154.0 | 225.0 |
| DN200 | 300   | 204   | 300   |
| DN250 | 375   | 254   | 375   |
| DN300 | 450   | 306   | 450   |



90° Welded Elbow With Straight Ends

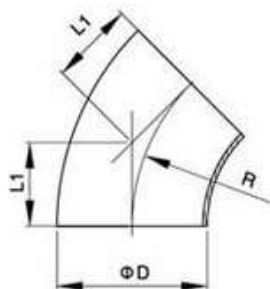
| Size  | L1    | D     | R     |
|-------|-------|-------|-------|
| DN10  | 38.0  | 12.0  | 26.0  |
| DN15  | 47.0  | 18.0  | 35.0  |
| DN20  | 52.0  | 22.0  | 40.0  |
| DN25  | 70.0  | 28.0  | 50.0  |
| DN32  | 78.0  | 34.0  | 55.0  |
| DN40  | 85.0  | 40.0  | 60.0  |
| DN50  | 97.0  | 52.0  | 70.0  |
| DN65  | 110.0 | 70.0  | 80.0  |
| DN80  | 118.0 | 85.0  | 90.0  |
| DN100 | 140.0 | 104.0 | 100.0 |



90° Clamped Elbow

| Size  | L1    | R     | B     |
|-------|-------|-------|-------|
| DN15  | 53.0  | 34.0  | 35.0  |
| DN20  | 58.0  | 34.0  | 40.0  |
| DN25  | 71.0  | 50.5  | 50.0  |
| DN32  | 76.5  | 50.5  | 55.0  |
| DN40  | 81.5  | 50.5  | 60.0  |
| DN50  | 91.5  | 64.0  | 70.0  |
| DN65  | 108.0 | 91.0  | 80.0  |
| DN80  | 118.0 | 106.0 | 90.0  |
| DN100 | 128.0 | 119.0 | 100.0 |



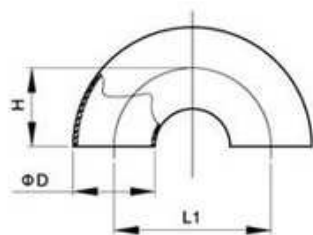


#### 45° Welded Elbow

| Size  | L1   | D     | R     |
|-------|------|-------|-------|
| DN10  | 10.7 | 12.0  | 26.0  |
| DN15  | 14.5 | 18.0  | 35.0  |
| DN20  | 16.5 | 22.0  | 40.0  |
| DN25  | 20.7 | 28.0  | 50.0  |
| DN32  | 22.8 | 34.0  | 55.0  |
| DN40  | 24.8 | 40.0  | 60.0  |
| DN50  | 29.0 | 52.0  | 70.0  |
| DN65  | 33.2 | 70.0  | 80.0  |
| DN80  | 37.3 | 85.0  | 90.0  |
| DN100 | 41.5 | 104.0 | 100.0 |
| DN125 | 77.5 | 129.0 | 187.0 |
| DN150 | 93.2 | 154.0 | 225.0 |

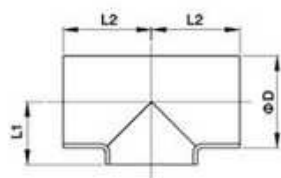
#### 180° Welded Elbow

| Size  | L1    | D     | H     |
|-------|-------|-------|-------|
| DN10  | 52.0  | 12.0  | 26.0  |
| DN15  | 70.0  | 18.0  | 35.0  |
| DN20  | 80.0  | 22.0  | 40.0  |
| DN25  | 100.0 | 28.0  | 50.0  |
| DN32  | 110.0 | 34.0  | 55.0  |
| DN40  | 120.0 | 40.0  | 60.0  |
| DN50  | 140.0 | 52.0  | 70.0  |
| DN65  | 160.0 | 70.0  | 80.0  |
| DN80  | 180.0 | 85.0  | 90.0  |
| DN100 | 200.0 | 104.0 | 100.0 |
| DN125 | 375.0 | 129.0 | 187.5 |
| DN150 | 450.0 | 154.0 | 225.0 |



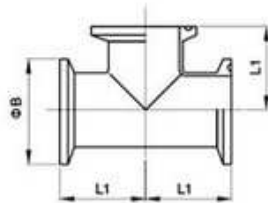
#### Short welded Tee

| Size  | L1   | L2    | D     |
|-------|------|-------|-------|
| DN10  | 7.5  | 26.0  | 12.0  |
| DN15  | 10.5 | 35.0  | 18.0  |
| DN20  | 12.5 | 40.0  | 22.0  |
| DN25  | 16.0 | 50.0  | 28.0  |
| DN32  | 19.5 | 55.0  | 34.0  |
| DN40  | 22.5 | 60.0  | 40.0  |
| DN50  | 30.0 | 70.0  | 52.0  |
| DN65  | 39.5 | 80.0  | 70.0  |
| DN80  | 47.5 | 90.0  | 85.0  |
| DN100 | 58.0 | 100.0 | 104.0 |
| DN125 | 70.5 | 187.0 | 129.0 |
| DN150 | 83.0 | 225.0 | 154.0 |



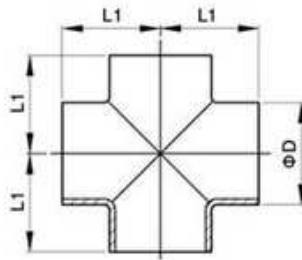
#### Long welded Tee

| Size | L1 |
|------|----|
|------|----|



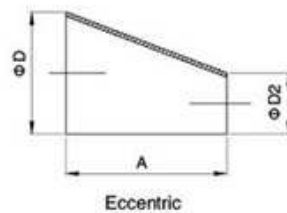
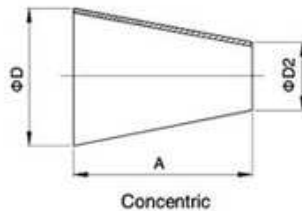
### Clamped Tee

| Size  | L1    | B     |
|-------|-------|-------|
| DN15  | 53.0  | 34.0  |
| DN20  | 58.0  | 34.0  |
| DN25  | 71.5  | 50.5  |
| DN32  | 76.5  | 50.5  |
| DN40  | 81.5  | 50.5  |
| DN50  | 91.5  | 64.0  |
| DN65  | 108.0 | 91.0  |
| DN80  | 118.0 | 106.0 |
| DN100 | 128.0 | 119.0 |



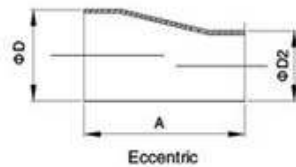
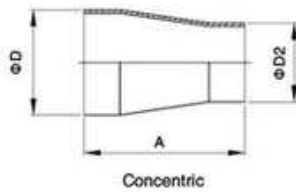
### Welded Cross

| Size  | L1    | D     |
|-------|-------|-------|
| DN25  | 50.0  | 28.0  |
| DN32  | 55.0  | 34.0  |
| DN40  | 60.0  | 40.0  |
| DN50  | 70.0  | 52.0  |
| DN65  | 80.0  | 70.0  |
| DN80  | 90.0  | 85.0  |
| DN100 | 100.0 | 104.0 |



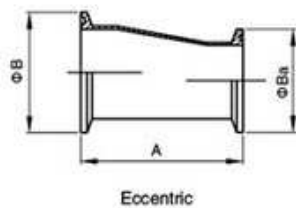
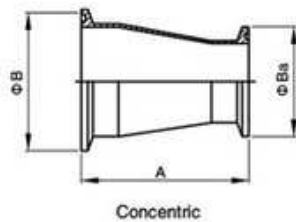
### Welded Reducer

| Size     | A    | D     | D2   |
|----------|------|-------|------|
| DN20/15  | 7.0  | 22.0  | 18.0 |
| DN25/20  | 11.0 | 28.0  | 22.0 |
| DN32/20  | 22.0 | 34.0  | 22.0 |
| DN32/25  | 11.0 | 34.0  | 28.0 |
| DN40/20  | 33.0 | 40.0  | 22.0 |
| DN40/25  | 22.0 | 40.0  | 28.0 |
| DN40/32  | 11.0 | 40.0  | 34.0 |
| DN50/25  | 44.0 | 52.0  | 28.0 |
| DN50/32  | 33.0 | 52.0  | 34.0 |
| DN50/40  | 22.0 | 52.0  | 40.0 |
| DN65/25  | 73.0 | 70.0  | 28.0 |
| DN65/32  | 62.0 | 70.0  | 34.0 |
| DN65/40  | 51.0 | 70.0  | 40.0 |
| DN65/50  | 29.0 | 70.0  | 52.0 |
| DN80/40  | 78.0 | 85.0  | 40.0 |
| DN80/50  | 56.0 | 85.0  | 52.0 |
| DN80/65  | 27.0 | 85.0  | 70.0 |
| DN100/50 | 90.0 | 104.0 | 52.0 |
| DN100/65 | 61.0 | 104.0 | 70.0 |
| DN100/80 | 34.0 | 104.0 | 85.0 |



### Welded Reducer

| Size     | A     | D3    | D2   |
|----------|-------|-------|------|
| DN20/15  | 60.0  | 22.0  | 18.0 |
| DN25/20  | 60.0  | 28.0  | 22.0 |
| DN32/20  | 80.0  | 34.0  | 22.0 |
| DN32/25  | 80.0  | 34.0  | 28.0 |
| DN40/20  | 102.0 | 40.0  | 22.0 |
| DN40/25  | 102.0 | 40.0  | 28.0 |
| DN40/32  | 88.0  | 40.0  | 34.0 |
| DN50/25  | 115.0 | 52.0  | 28.0 |
| DN50/32  | 129.0 | 52.0  | 34.0 |
| DN50/40  | 113.0 | 52.0  | 40.0 |
| DN65/25  | 125.0 | 70.0  | 28.0 |
| DN65/32  | 125.0 | 70.0  | 34.0 |
| DN65/40  | 120.0 | 70.0  | 40.0 |
| DN65/50  | 130.0 | 70.0  | 52.0 |
| DN80/40  | 140.0 | 85.0  | 40.0 |
| DN80/50  | 125.0 | 85.0  | 52.0 |
| DN80/65  | 120.0 | 85.0  | 70.0 |
| DN100/50 | 160.0 | 104.0 | 52.0 |
| DN100/65 | 127.0 | 104.0 | 70.0 |
| DN100/80 | 120.0 | 104.0 | 85.0 |



### Clamped Reducer

| Size    | A     | B    | Ba   |
|---------|-------|------|------|
| DN20/15 | 86.0  | 34.0 | 34.0 |
| DN25/20 | 86.0  | 50.5 | 34.0 |
| DN32/20 | 106.0 | 50.5 | 34.0 |
| DN32/25 | 106.0 | 50.5 | 50.5 |
| DN40/20 | 128.0 | 50.5 | 34.0 |
| DN40/25 | 128.0 | 50.5 | 50.5 |
| DN40/32 | 128.0 | 50.5 | 50.5 |
| DN50/25 | 141.0 | 64.0 | 50.5 |
| DN50/32 | 141.0 | 64.0 | 50.5 |
| DN50/40 | 141.0 |      |      |