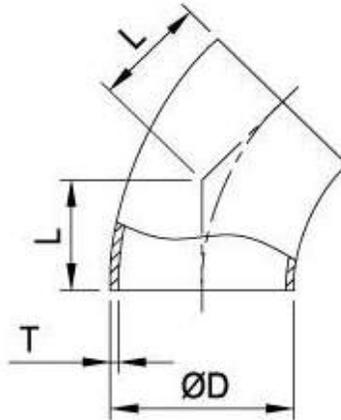
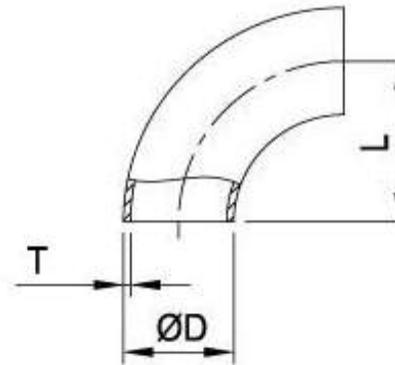


## Pipe Line

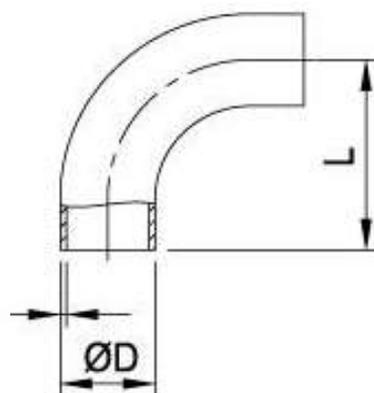
### 45 and 90 Deg Elbow



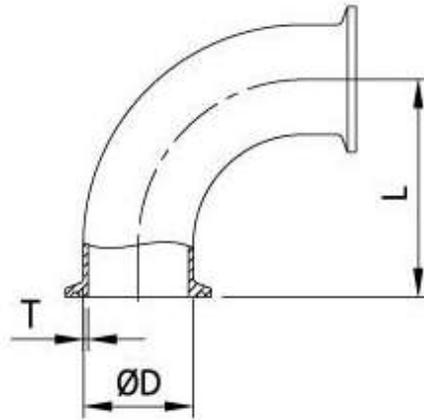
| 45 Deg Elbow |       |       |      |
|--------------|-------|-------|------|
| Size         | øD    | L     | T    |
| 0.5"         | 12.7  | 13.16 | 1.65 |
| 0.75"        | 19.05 | 23.8  | 1.65 |
| 1"           | 25.4  | 15.8  | 1.65 |
| 1.5"         | 38.1  | 23.8  | 1.65 |
| 2"           | 50.8  | 31.75 | 1.65 |
| 2.5"         | 63.5  | 39.6  | 1.65 |
| 3"           | 76.2  | 47.6  | 1.65 |
| 4"           | 101.6 | 63.5  | 2.1  |



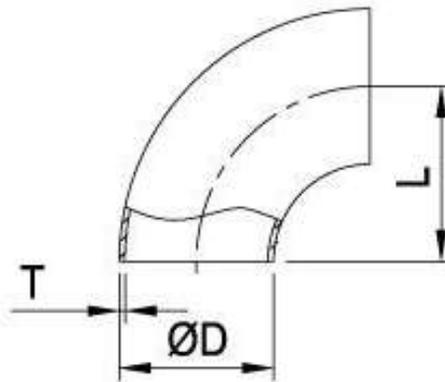
| 90 Deg Elbow |       |       |      |
|--------------|-------|-------|------|
| Size         | øD    | L     | T    |
| 0.5"         | 12.7  | 19.05 | 1.65 |
| 0.75"        | 19.05 | 28.58 | 1.65 |
| 1"           | 25.4  | 38.1  | 1.65 |
| 1.5"         | 38.1  | 57.2  | 1.65 |
| 2"           | 50.8  | 76.2  | 1.65 |
| 2.5"         | 63.5  | 95.25 | 1.65 |
| 3"           | 76.2  | 114.3 | 1.65 |
| 4"           | 101.6 | 152.4 | 2.1  |



| 90 Deg Long Elbow |       |       |      |
|-------------------|-------|-------|------|
| Size              | øD    | L     | T    |
| 0.5"              | 12.7  | 45    | 1.65 |
| 0.75"             | 19.05 | 60    | 1.65 |
| 1"                | 25.4  | 52.4  | 1.65 |
| 1.5"              | 38.1  | 74.6  | 1.65 |
| 2"                | 50.8  | 103.2 | 1.65 |
| 2.5"              | 63.5  | 131.8 | 1.65 |
| 3"                | 76.2  | 160.3 | 1.65 |
| 4"                | 101.6 | 211.1 | 2.1  |



| <b>90 Deg Elbow with Ferrule Ends</b> |       |        |      |
|---------------------------------------|-------|--------|------|
| Size                                  | øD    | L      | T    |
| 0.5"                                  | 12.7  | 41.3   | 1.65 |
| 0.75"                                 | 19.05 | 41.3   | 1.65 |
| 1"                                    | 25.4  | 50.8   | 1.65 |
| 1.5"                                  | 38.1  | 69.9   | 1.65 |
| 2"                                    | 50.8  | 88.9   | 1.65 |
| 2.5"                                  | 63.5  | 107.95 | 1.65 |
| 3"                                    | 76.2  | 127    | 1.65 |
| 4"                                    | 101.6 | 168.2  | 2.1  |

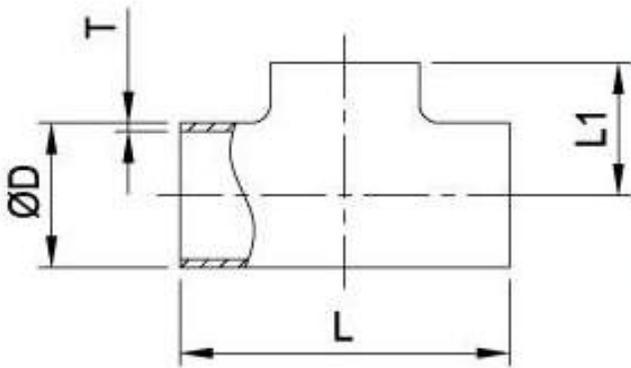


| <b>DIN 90 Deg Elbow</b> |     |       |     |
|-------------------------|-----|-------|-----|
| Size                    | øD  | L     | T   |
| DN 10                   | 13  | 26    | 1.5 |
| DN 15                   | 19  | 35    | 1.5 |
| DN 20                   | 23  | 40    | 1.5 |
| DN 25                   | 29  | 50    | 1.5 |
| DN 32                   | 35  | 55    | 1.5 |
| DN 40                   | 41  | 60    | 1.5 |
| DN 50                   | 53  | 70    | 1.5 |
| DN 65                   | 70  | 80    | 2   |
| DN 80                   | 85  | 90    | 2   |
| DN 100                  | 104 | 100   | 2   |
| DN 125                  | 129 | 187.5 | 2   |
| DN 150                  | 154 | 225   | 2   |
| DN 200                  | 204 | 301   | 2   |
| DN 250                  | 254 | 375   | 2   |
| DN 300                  | 306 | 300   | 3   |

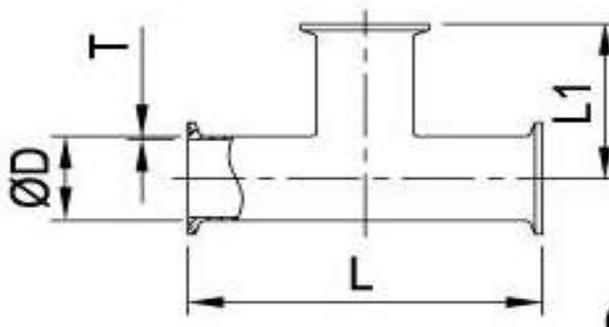
## Tee, Reducing Tee, and Cross



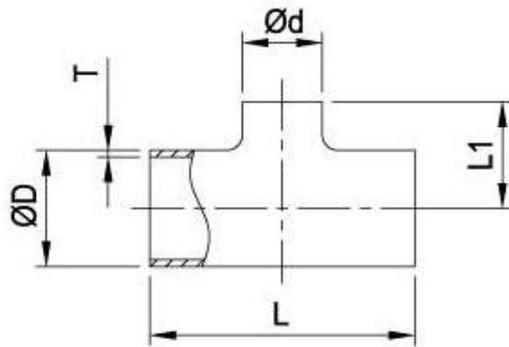
| Equal Tee |       |       |       |      |
|-----------|-------|-------|-------|------|
| Size      | øD    | L     | L1    | T    |
| 0.5"      | 12.7  | 38.1  | 19.05 | 1.65 |
| 0.75"     | 19.05 | 57.2  | 28.6  | 1.65 |
| 1"        | 25.4  | 57.2  | 28.6  | 1.65 |
| 1.5"      | 38.1  | 84.2  | 42.1  | 1.65 |
| 2"        | 50.8  | 104.8 | 52.4  | 1.65 |
| 2.5"      | 63.5  | 119.0 | 59.5  | 1.65 |
| 3"        | 76.2  | 131.8 | 65.9  | 1.65 |
| 4"        | 101.6 | 174.6 | 87.3  | 2.1  |



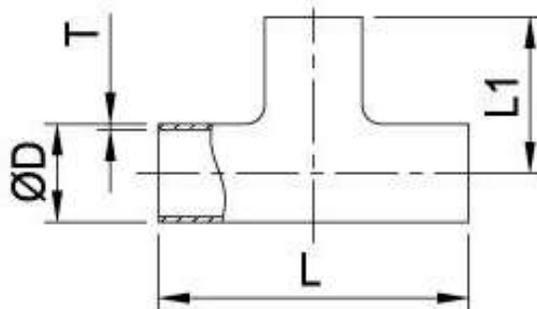
| Long Equal Tee |       |       |      |      |
|----------------|-------|-------|------|------|
| Size           | øD    | L     | L1   | T    |
| 0.5"           | 12.7  | 95.2  | 47.6 | 1.65 |
| 0.75"          | 19.05 | 95.2  | 47.6 | 1.65 |
| 1"             | 25.4  | 95.2  | 47.6 | 1.65 |
| 1.5"           | 38.1  | 114.4 | 57.2 | 1.65 |
| 2"             | 50.8  | 152.4 | 76.2 | 1.65 |
| 2.5"           | 63.5  | 152.4 | 76.2 | 1.65 |
| 3"             | 76.2  | 165.2 | 82.6 | 1.65 |
| 4"             | 101.6 | 196.8 | 98.4 | 2.1  |



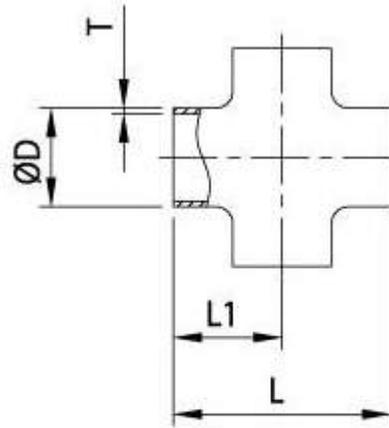
| Equal Tee with Ferrule Ends |       |       |       |      |
|-----------------------------|-------|-------|-------|------|
| Size                        | øD    | L     | L1    | T    |
| 0.5"                        | 12.7  | 63.5  | 31.75 | 1.65 |
| 0.75"                       | 19.05 | 120.6 | 60.3  | 1.65 |
| 1"                          | 25.4  | 120.6 | 60.3  | 1.65 |
| 1.5"                        | 38.1  | 139.8 | 69.9  | 1.65 |
| 2"                          | 50.8  | 177.8 | 88.9  | 1.65 |
| 2.5"                        | 63.5  | 177.8 | 88.9  | 1.65 |
| 3"                          | 76.2  | 190.6 | 95.3  | 1.65 |
| 4"                          | 101.6 | 228.4 | 114.2 | 2.1  |



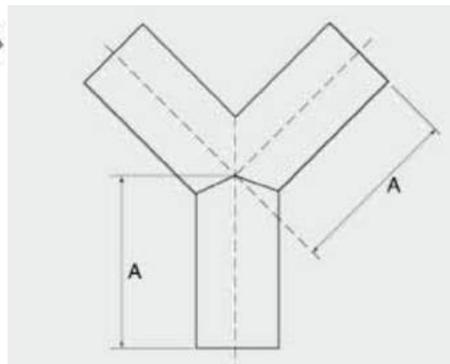
| Equal Reducing Tee |       |      |       |       |      |
|--------------------|-------|------|-------|-------|------|
| Size               | ØD    | Ød   | L     | L1    | T    |
| 1.5"x1"            | 38.1  | 25.4 | 84.2  | 34.9  | 1.65 |
| 2"x1"              | 50.8  | 25.4 | 104.8 | 41.3  | 1.65 |
| 2"x1.5"            | 50.8  | 38.1 | 104.8 | 48.4  | 1.65 |
| 2.5"x1"            | 63.5  | 25.4 | 119   | 47.63 | 1.65 |
| 2.5"x1.5"          | 63.5  | 38.1 | 119   | 54.75 | 1.65 |
| 2.5"x2"            | 63.5  | 50.8 | 119   | 58.7  | 1.65 |
| 3"x1"              | 76.2  | 25.4 | 131.8 | 54    | 1.65 |
| 3"x1.5"            | 76.2  | 38.1 | 131.8 | 65.1  | 1.65 |
| 3"x2"              | 76.2  | 50.8 | 131.8 | 65.1  | 1.65 |
| 3"x2.5"            | 76.2  | 63.5 | 131.8 | 65.9  | 2    |
| 4"x1"              | 101.6 | 25.4 | 174.6 | 66.7  | 2    |
| 4"x1.5"            | 101.6 | 38.1 | 174.6 | 108.0 | 2    |
| 4"x2"              | 101.6 | 50.8 | 174.6 | 108.0 | 2    |
| 4"x2.5"            | 101.6 | 63.5 | 174.6 | 108.0 | 2    |
| 4"x3"              | 101.6 | 76.2 | 174.6 | 108.0 | 2    |



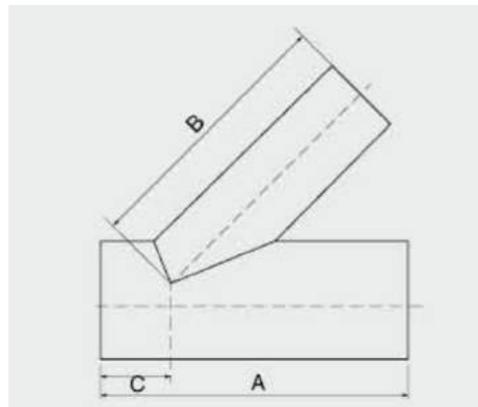
| DIN Equal Tee |     |     |       |     |
|---------------|-----|-----|-------|-----|
| Size          | ØD  | L   | L1    | T   |
| DN 10         | 13  | 54  | 26    | 1.5 |
| DN 15         | 19  | 70  | 35    | 1.5 |
| DN 20         | 23  | 94  | 47    | 1.5 |
| DN 25         | 29  | 100 | 50    | 1.5 |
| DN 32         | 35  | 110 | 55    | 1.5 |
| DN 40         | 41  | 120 | 60    | 1.5 |
| DN 50         | 53  | 140 | 70    | 1.5 |
| DN 65         | 70  | 160 | 80    | 2   |
| DN 80         | 85  | 180 | 90    | 2   |
| DN 100        | 104 | 200 | 100   | 2   |
| DN 125        | 129 | 375 | 187.5 | 2   |
| DN 150        | 154 | 450 | 225   | 2   |
| DN 200        | 204 | 600 | 300   | 2   |
| DN 250        | 254 | 750 | 375   | 2   |
| DN 300        | 306 | 750 | 375   | 3   |



| Equal Short Cross |       |       |      |      |
|-------------------|-------|-------|------|------|
| Size              | ØD    | L     | L1   | T    |
| 1"                | 25.4  | 57.2  | 28.6 | 1.65 |
| 1.5"              | 38.1  | 84.2  | 42.1 | 1.65 |
| 2"                | 50.8  | 104.8 | 52.4 | 1.65 |
| 2.5"              | 63.5  | 119.0 | 59.5 | 1.65 |
| 3"                | 76.2  | 131.8 | 65.9 | 1.65 |
| 4"                | 101.6 | 174.6 | 87.3 | 2    |



| True Wye |       |
|----------|-------|
| Size     | A     |
| 0.5"     | 50.8  |
| 0.75"    | 50.8  |
| 1"       | 76.2  |
| 1.5"     | 76.2  |
| 2"       | 101.6 |
| 2.5"     | 127   |
| 3"       | 152.4 |
| 4"       | 203.2 |

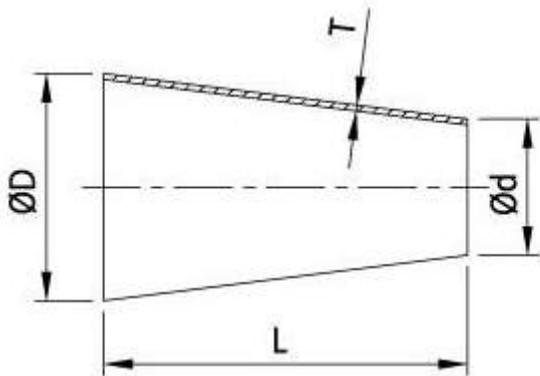


| Lateral Wye |       |       |      |
|-------------|-------|-------|------|
| Size        | A     | B     | C    |
| 0.5"        | 152.4 | 127   | 25.4 |
| 0.75"       | 152.4 | 127   | 25.4 |
| 1"          | 152.4 | 127   | 25.4 |
| 1.5"        | 187.3 | 173.1 | 30.2 |
| 2"          | 222.2 | 180.9 | 41.3 |
| 2.5"        | 254   | 215.9 | 38.1 |
| 3"          | 273.1 | 225.4 | 47.6 |
| 4"          | 325.5 | 273.1 | 52.4 |

## Concentric and Eccentric Reducer



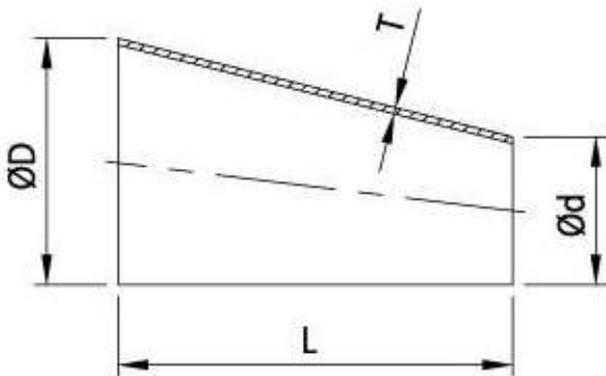
| <b>Concentric Reducer without Straight End</b> |           |           |          |          |
|--|-----------|-----------|----------|----------|
| <b>Size</b>                                    | <b>øD</b> | <b>ød</b> | <b>L</b> | <b>T</b> |
| 0.75"x0.5"                                     | 19.05     | 12.7      | 50.8     | 1.65     |
| 1"x0.5"  | 25.4      | 12.7      | 50.8     | 1.65     |
| 1.5"x0.5"                                      | 38.1      | 12.7      | 101.6    | 1.65     |
| 2"x0.5"  | 50.8      | 12.7      | 152.4    | 1.65     |
| 1"x0.75"                                       | 25.4      | 19.05     | 25.4     | 1.65     |
| 1.5"x0.75"                                     | 38.1      | 19.05     | 76.2     | 1.65     |
| 1.5"x1"  | 38.1      | 25.4      | 50.8     | 1.65     |
| 2"x1"  | 50.8      | 25.4      | 101.6    | 1.65     |
| 2"x1.5"  | 50.8      | 38.1      | 50.8     | 1.65     |
| 2.5"x1"  | 63.5      | 25.4      | 152.4    | 1.65     |
| 2.5"x1.5"                                      | 63.5      | 38.1      | 101.6    | 1.65     |
| 2.5"x2"  | 63.5      | 50.8      | 50.8     | 1.65     |



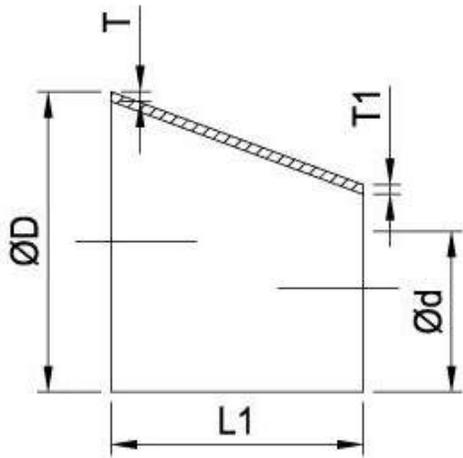
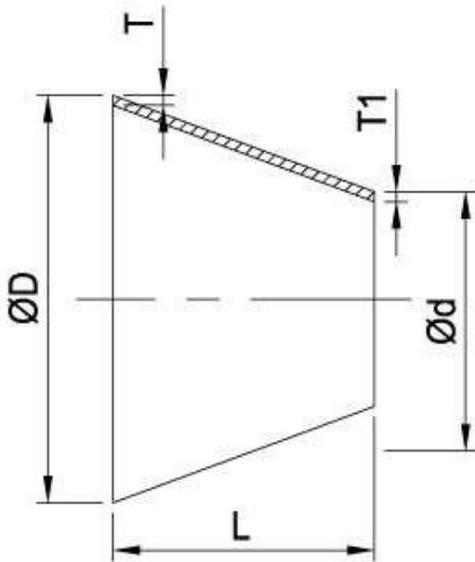
| <b>Size</b> | <b>øD</b> | <b>ød</b> | <b>L</b> | <b>T</b> |
|-------------|-----------|-----------|----------|----------|
| 3"x1"       | 76.2      | 25.4      | 203.2    | 1.65     |
| 3"x1.5"     | 76.2      | 38.1      | 152.4    | 1.65     |
| 3"x2"       | 76.2      | 50.8      | 101.6    | 1.65     |
| 3"x2.5"     | 76.2      | 63.5      | 50.8     | 1.65     |
| 4"x1.5"     | 101.6     | 38.1      | 254      | 2        |
| 4"x2"       | 101.6     | 50.8      | 203.2    | 2        |
| 4"x2.5"     | 101.6     | 63.5      | 152.4    | 2        |
| 4"x3"       | 101.6     | 76.2      | 101.6    | 2        |
| 6"x2"       | 152.4     | 50.8      | 406.4    | 2        |
| 6"x3"       | 152.4     | 76.2      | 304.8    | 2        |
| 6"x4"       | 152.4     | 101.6     | 203.2    | 2        |



| Eccentric Reducer without Straight End |       |       |       |      |
|--|-------|-------|-------|------|
| Size                                   | øD    | ød    | L     | T    |
| 0.75"x0.5"                             | 19.05 | 12.7  | 25.4  | 1.65 |
| 1"x0.5"                                | 25.4  | 12.7  | 50.8  | 1.65 |
| 1.5"x0.5"                              | 38.1  | 12.7  | 101.6 | 1.65 |
| 2"x0.5"                                | 50.8  | 12.7  | 152.4 | 1.65 |
| 1"x0.75"                               | 25.4  | 19.05 | 25.4  | 1.65 |
| 1.5"x0.75"                             | 38.1  | 19.05 | 76.2  | 1.65 |
| 2"x0.75"                               | 50.8  | 19.05 | 127   | 1.65 |
| 1.5"x1.0"                              | 38.1  | 25.4  | 50.8  | 1.65 |
| 2"x1"                                  | 50.8  | 25.4  | 101.6 | 1.65 |
| 2"x1.5"                                | 50.8  | 38.1  | 50.8  | 1.65 |
| 2.5"x1"                                | 63.5  | 25.4  | 152.4 | 1.65 |
| 2.5"x1.5"                              | 63.5  | 38.1  | 101.6 | 1.65 |



| Size    | øD    | ød    | L     | T    |
|---------|-------|-------|-------|------|
| 2.5"x2" | 63.5  | 50.8  | 50.8  | 1.65 |
| 3"x1"   | 76.2  | 25.4  | 203.2 | 1.65 |
| 3"x1.5" | 76.2  | 38.1  | 152.4 | 1.65 |
| 3"x2"   | 76.2  | 50.8  | 101.6 | 1.65 |
| 3"x2.5" | 76.2  | 63.5  | 50.8  | 1.65 |
| 4"x1.5" | 101.6 | 38.1  | 254   | 2    |
| 4"x2"   | 101.6 | 50.8  | 203.2 | 2    |
| 4"x2.5" | 101.6 | 63.5  | 152.4 | 2    |
| 4"x3"   | 101.6 | 76.2  | 101.6 | 2    |
| 6"x2"   | 152.4 | 50.8  | 406.4 | 2    |
| 6"x3"   | 152.4 | 76.2  | 304.8 | 2    |
| 6"x4"   | 152.4 | 101.6 | 203.2 | 2    |



**DIN Concentric and Eccentric Reducer**

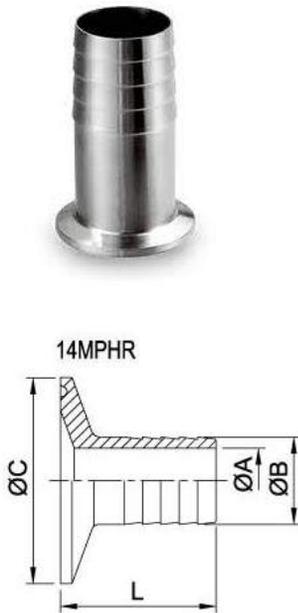
| Size   | ØD  | Ød | T   | L  | L1    | T1  |
|--------|-----|----|-----|----|-------|-----|
| 32x25  | 34  | 28 | 1.5 | 25 | 16.5  | 1.5 |
| 40x25  | 40  | 28 | 1.5 | 23 | 33    | 1.5 |
| 40x32  | 40  | 34 | 1.5 | 23 | 16.5  | 1.5 |
| 50x25  | 52  | 28 | 1.5 | 27 | 66    | 1.5 |
| 50x32  | 52  | 34 | 1.5 | 28 | 49.5  | 1.5 |
| 50x40  | 52  | 40 | 1.5 | 27 | 33    | 1.5 |
| 65x25  | 70  | 28 | 1.5 | 35 | 75    | 1.5 |
| 65x40  | 70  | 40 | 2   | 39 | 77    | 1.5 |
| 65x50  | 70  | 52 | 2   | 29 | 44    | 1.5 |
| 80x50  | 85  | 52 | 2   | 45 | 85    | 1.5 |
| 80x65  | 85  | 70 | 2   | 33 | 41.2  | 2   |
| 100x50 | 104 | 52 | 2   | 50 | 137.5 | 1.5 |
| 100x65 | 104 | 70 | 2   | 44 | 93.5  | 2   |
| 100x80 | 104 | 85 | 2   | 60 | 52.5  | 2   |

## Hose Ferrule Adapter

Our Food Grade Stainless Hose Ferrule Adapters can be used to connect hoses to your pipe line without any special tools. Just attach a hose clip to your hose and adapter and its ready to use.

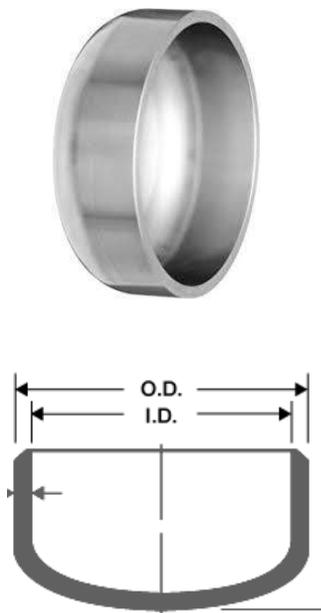
**Size Availability-** 0.5" to 4" (if you need other sizes, call us to request it)

**Material-** SS 304 or SS 316L



| Size  | øA   | øB    | øC   | L    |
|-------|------|-------|------|------|
| 0.5"  | 9.5  | 13.7  | 25   | 38   |
| 0.75" | 15.8 | 21.4  | 25   | 38   |
| 1"    | 20.6 | 25.4  | 50.5 | 43   |
| 1.5"  | 33.2 | 38.1  | 50.5 | 43   |
| 2"    | 46   | 50.8  | 64   | 58.7 |
| 2.5"  | 58.7 | 63.5  | 77.5 | 59.5 |
| 3"    | 72   | 76.2  | 91   | 78.6 |
| 4"    | 97.6 | 101.6 | 119  | 85.5 |

## Tube Cap



| SMS / 3A | OD    | ID    | DIN   | OD  | ID  |
|----------|-------|-------|-------|-----|-----|
| 0.5"     | 12.7  | 9.4   | -     | -   | -   |
| 0.75"    | 19.05 | 15.75 | -     | -   | -   |
| 1"       | 25.4  | 22.1  | DN25  | 29  | 26  |
| -        | -     | -     | DN32  | 35  | 32  |
| 1.5"     | 38.1  | 34.8  | DN40  | 41  | 38  |
| 2"       | 50.8  | 47.5  | DN50  | 53  | 50  |
| 2.5"     | 63.5  | 60.2  | DN65  | 70  | 66  |
| 3"       | 76.2  | 72.9  | DN80  | 85  | 81  |
| 4"       | 101.6 | 97.4  | DN100 | 104 | 100 |
| -        | -     | -     | DN125 | 129 | 125 |
| -        | -     | -     | DN150 | 154 | 150 |

## Pipe Hangers

Our Dairy Pipe Supports are used to hang Food Grade Pipes.

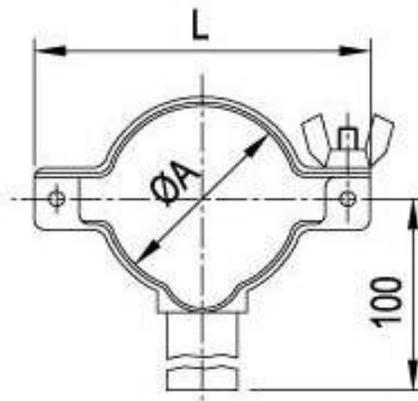
They come in **Bolted Type** and **Wing Nut Type**.

**Size Availability-** 0.5" to 4" (if you need other sizes, call us to request it)

**Material-** SS 304



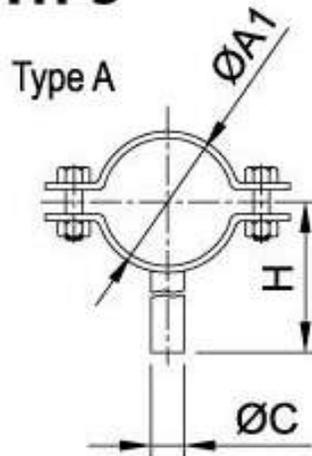
**TH-1**



| TH-1 Pipe Support |           |     |
|-------------------|-----------|-----|
| Size              | ØA        | L   |
| 1"                | 25.4      | 66  |
| 1.5"              | 38.1      | 76  |
| 2"                | 50.8      | 90  |
| 2.5"              | 63.5      | 105 |
| 3"                | 76.2      | 120 |
| 4"                | 101.6/104 | 146 |
| 6"                | 152.4     | -   |



**TH-5**



| TH-5 Pipe Support |       |      |    |
|-------------------|-------|------|----|
| Size              | ØA1   | H    | ØC |
| 1"                | 25.4  | 45   | 8  |
| 1.5"              | 38.1  | 51.5 | 10 |
| 2"                | 51    | 58   | 12 |
| 2.5"              | 63.5  | 64   | 12 |
| 3"                | 76.1  | 70.5 | 15 |
| 4"                | 101.6 | 60   | 15 |
| 5" / DIN 125      | 129   | 60   | 15 |
| 6" / DIN 150      | 154   | 60   | 15 |
| 8" / DIN 200      | 204   | 60   | 15 |
| 10" / DIN 250     | 254   | 60   | 15 |
| 12" / DIN 300     | 306   | 60   | 15 |