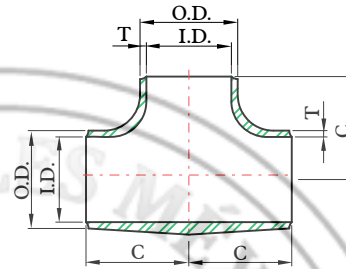
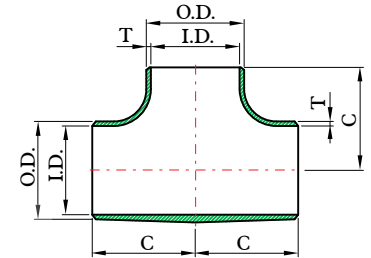
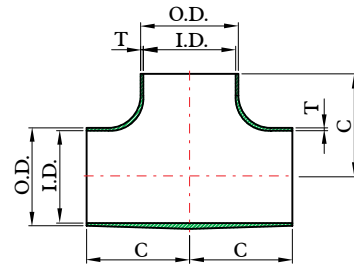


# ASTM A403 WELDED FITTINGS

## STRAIGHT TEES



### DIMENSIONS

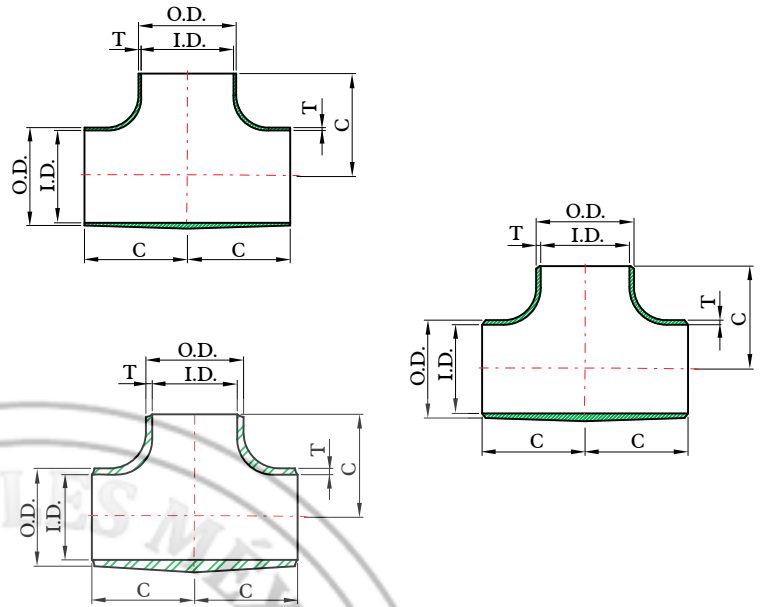
unit : inch / lb

| Nominal pipe size | Outside diameter (O.D.) | Center to end (C) | Schedule 5S            |                    |                      | Schedule 10S           |                    |                      | Schedule 40S           |                    |                      |
|-------------------|-------------------------|-------------------|------------------------|--------------------|----------------------|------------------------|--------------------|----------------------|------------------------|--------------------|----------------------|
|                   |                         |                   | Inside diameter (I.D.) | Wall thickness (T) | Approx. weight * * * | Inside diameter (I.D.) | Wall thickness (T) | Approx. weight * * * | Inside diameter (I.D.) | Wall thickness (T) | Approx. weight * * * |
| 1/2               | .840                    | 1                 | .710                   | .065               | .19                  | .674                   | .083               | .21                  | .622                   | .109               | .23                  |
| 3/4               | 1.050                   | 1-1/8             | .920                   | .065               | .22                  | .884                   | .083               | .28                  | .824                   | .113               | .38                  |
| 1                 | 1.315                   | 1-1/2             | 1.185                  | .065               | .40                  | 1.097                  | .109               | .63                  | 1.049                  | .133               | .65                  |
| 1-1/4             | 1.660                   | 1-7/8             | 1.530                  | .065               | .75                  | 1.442                  | .109               | 1.10                 | 1.380                  | .140               | 1.31                 |
| 1-1/2             | 1.900                   | 2-1/4             | 1.770                  | .065               | .95                  | 1.682                  | .109               | 1.50                 | 1.610                  | .145               | 1.90                 |
| 2                 | 2.375                   | 2-1/2             | 2.245                  | .065               | 1.20                 | 2.157                  | .109               | 1.87                 | 2.067                  | .154               | 2.83                 |
| 2-1/2             | 2.875                   | 3                 | 2.709                  | .083               | 2.15                 | 2.635                  | .120               | 3.10                 | 2.469                  | .203               | 4.85                 |
| 3                 | 3.500                   | 3-3/8             | 3.334                  | .083               | 3.40                 | 3.260                  | .120               | 3.90                 | 3.068                  | .216               | 7.30                 |
| 3-1/2             | 4.000                   | 3-3/4             | 3.834                  | .083               | 5.50                 | 3.760                  | .120               | 5.88                 | 3.548                  | .226               | 9.00                 |
| 4                 | 4.500                   | 4-1/8             | 4.334                  | .083               | 7.20                 | 4.260                  | .120               | 7.63                 | 4.026                  | .237               | 11.63                |
| 5                 | 5.563                   | 4-7/8             | 5.345                  | .109               | 13.00                | 5.295                  | .134               | 13.45                | 5.047                  | .258               | 20.75                |
| 6                 | 6.625                   | 5-5/8             | 6.407                  | .109               | 17.20                | 6.357                  | .134               | 17.80                | 6.065                  | .280               | 24.25                |
| 8                 | 8.625                   | 7                 | 8.407                  | .109               | 31.00                | 8.329                  | .148               | 34.50                | 7.981                  | .322               | 46.10                |
| 10                | 10.750                  | 8-1/2             | 10.482                 | .134               | 55.00                | 10.420                 | .165               | 59.00                | 10.020                 | .365               | 78.00                |
| 12                | 12.750                  | 10                | 12.438                 | .156               | 83.00                | 12.390                 | .180               | 87.00                | 12.000                 | .375               | 137.00               |
| 14                | 14.000                  | 11                | 13.688                 | .156               | 89.00                | 13.624                 | .188               | 107.00               | 13.250                 | .375               | 175.00               |
| 16                | 16.000                  | 12                | 15.670                 | .165               | 115.00               | 15.624                 | .188               | 130.00               | 15.250                 | .375               | 220.00               |
| 18                | 18.000                  | 13-1/2            | 17.670                 | .165               | 149.00               | 17.624                 | .188               | 169.00               | 17.250                 | .375               | 286.00               |
| 20                | 20.000                  | 15                | 19.624                 | .188               | 171.00               | 19.564                 | .218               | 228.00               | 19.250                 | .375               | 358.00               |
| 24                | 24.000                  | 17                | 23.564                 | .218               | 298.00               | 23.500                 | .250               | 343.00               | 23.250                 | .375               | 498.00               |



# ASTM A403 WELDED FITTINGS

## STRAIGHT TEES



### DIMENSIONS

unit : inch / lb

| Nominal pipe size | Outside diameter (O.D.) | Center to end (C) | Schedule 80S           |                    |                   | Schedule 160S          |                    |                   | XX Strong Wall         |                    |                   |
|-------------------|-------------------------|-------------------|------------------------|--------------------|-------------------|------------------------|--------------------|-------------------|------------------------|--------------------|-------------------|
|                   |                         |                   | Inside diameter (I.D.) | Wall thickness (T) | Approx. weight ** | Inside diameter (I.D.) | Wall thickness (T) | Approx. weight ** | Inside diameter (I.D.) | Wall thickness (T) | Approx. weight ** |
| 1/2               | .840                    | 1                 | .546                   | .147               | .30               | .464                   | .188               | .38               | .252                   | .294               | .60               |
| 3/4               | 1.050                   | 1-1/8             | .742                   | .154               | .45               | .612                   | .219               | .64               | .434                   | .308               | .90               |
| 1                 | 1.315                   | 1-1/2             | .957                   | .179               | .85               | .815                   | .250               | 1.19              | .599                   | .358               | 1.70              |
| 1-1/4             | 1.660                   | 1-7/8             | 1.278                  | .191               | 1.50              | 1.160                  | .250               | 1.97              | .896                   | .382               | 3.00              |
| 1-1/2             | 1.900                   | 2-1/4             | 1.500                  | .200               | 2.25              | 1.338                  | .281               | 3.15              | 1.100                  | .400               | 4.50              |
| 2                 | 2.375                   | 2-1/2             | 1.939                  | .218               | 3.50              | 1.689                  | .343               | 5.50              | 1.503                  | .436               | 7.00              |
| 2-1/2             | 2.875                   | 3                 | 2.323                  | .276               | 6.90              | 2.125                  | .375               | 9.38              | 1.771                  | .552               | 13.80             |
| 3                 | 3.500                   | 3-3/8             | 2.900                  | .300               | 9.80              | 2.624                  | .438               | 14.31             | 2.300                  | .600               | 19.60             |
| 3-1/2             | 4.000                   | 3-3/4             | 3.364                  | .318               | 12.00             | -----                  | -----              | -----             | 2.728                  | .636               | 24.00             |
| 4                 | 4.500                   | 4-1/8             | 3.826                  | .337               | 17.00             | 3.438                  | .531               | 26.86             | 3.152                  | .674               | 34.00             |
| 5                 | 5.563                   | 4-7/8             | 4.813                  | .375               | 25.00             | 4.313                  | .625               | 41.75             | 4.063                  | .750               | 50.00             |
| 6                 | 6.625                   | 5-5/8             | 5.761                  | .432               | 30.00             | 5.187                  | .719               | 49.80             | 4.897                  | .864               | 60.00             |
| 8                 | 8.625                   | 7                 | 7.625                  | .500               | 62.00             | 6.813                  | .906               | 112.00            | 6.875                  | .875               | 108.00            |
| 10                | 10.750                  | 8-1/2             | 9.750                  | .500               | 110.00            | 8.500                  | 1.125              | 247.00            | -----                  | -----              | -----             |
| 12                | 12.750                  | 10                | 11.750                 | .500               | 185.00            | 10.126                 | 1.312              | 484.00            | -----                  | -----              | -----             |
| 14                | 14.000                  | 11                | 13.000                 | .500               | 210.00            | 11.188                 | 1.406              | 590.00            | -----                  | -----              | -----             |
| 16                | 16.000                  | 12                | 15.000                 | .500               | 265.00            | 12.812                 | 1.594              | 812.00            | -----                  | -----              | -----             |
| 18                | 18.000                  | 13-1/2            | 17.000                 | .500               | 344.00            | 14.438                 | 1.781              | 1097.00           | -----                  | -----              | -----             |
| 20                | 20.000                  | 15                | 19.000                 | .500               | 430.00            | 16.062                 | 1.969              | 1690.00           | -----                  | -----              | -----             |
| 24                | 24.000                  | 17                | 23.000                 | .500               | 600.00            | 19.312                 | 2.344              | 2950.00           | -----                  | -----              | -----             |

