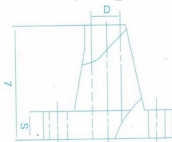


Process description

FRP pipe fittings are hand lay-up process, which is based on the resin mixed liquor, glass fiber and its fabric as reinforcing material, and is laid on the mould coated with mold release agent by hand.

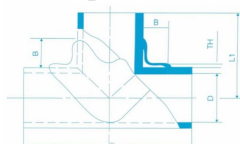
Pipe fittings are mainly used for connection, direction change, distributary and support. FRP pipe fitting has flange, elbow, tee, reducer etc., can be according to the drawing to do it.

Flange specification



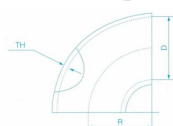
| D | 0.6MPa | | 1.0MPa | | 1.6MPa | |
|-----|--------|-----|--------|-----|--------|-----|
| | S | L | S | L | S | L |
| 10 | 12 | 100 | 15 | 100 | 15 | 100 |
| 15 | 12 | 100 | 15 | 100 | 15 | 100 |
| 20 | 12 | 100 | 15 | 100 | 18 | 100 |
| 25 | 12 | 100 | 15 | 100 | 18 | 100 |
| 32 | 15 | 100 | 18 | 100 | 20 | 100 |
| 40 | 15 | 100 | 18 | 100 | 22 | 100 |
| 50 | 15 | 100 | 20 | 100 | 22 | 150 |
| 65 | 15 | 100 | 20 | 150 | 25 | 160 |
| 80 | 18 | 150 | 22 | 160 | 28 | 230 |
| 100 | 20 | 150 | 25 | 180 | 30 | 250 |
| 125 | 22 | 200 | 25 | 230 | 33 | 300 |
| 150 | 22 | 200 | 28 | 280 | 38 | 370 |
| 200 | 25 | 220 | 33 | 360 | 48 | 500 |
| 250 | 28 | 280 | 42 | 420 | 55 | 620 |
| 300 | 32 | 300 | 48 | 500 | | |
| 350 | 35 | 400 | 54 | 570 | | |
| 400 | 40 | 420 | | | | |
| 450 | 45 | 480 | | | | |
| 500 | 50 | 540 | | | | |
| 600 | 52 | 640 | | | | |

Tee specification



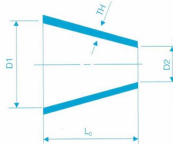
| D | 0.6MPa | | | 1.0MPa | | | 1.6MPa | | |
|------|--------|-------|-----|--------|-------|-----|--------|-------|-----|
| | TH | L=2L1 | B | TH | L=2L1 | B | TH | L=2L1 | B |
| 10 | 5.5 | 300 | 50 | 5.5 | 300 | 50 | 5.5 | 300 | 50 |
| 15 | 5.5 | 300 | 50 | 5.5 | 300 | 50 | 5.5 | 300 | 50 |
| 20 | 5.5 | 300 | 50 | 5.5 | 300 | 50 | 5.5 | 300 | 50 |
| 25 | 5.5 | 300 | 50 | 5.5 | 300 | 50 | 5.5 | 300 | 50 |
| 32 | 5.5 | 300 | 50 | 5.5 | 300 | 50 | 5.5 | 300 | 50 |
| 40 | 5.5 | 300 | 50 | 5.5 | 300 | 50 | 5.5 | 300 | 50 |
| 50 | 5.5 | 400 | 50 | 5.5 | 400 | 50 | 5.5 | 400 | 50 |
| 65 | 5.5 | 400 | 50 | 5.5 | 400 | 50 | 5.5 | 400 | 50 |
| 80 | 5.5 | 400 | 50 | 5.5 | 400 | 50 | 5.5 | 460 | 60 |
| 100 | 5.5 | 400 | 50 | 5.5 | 420 | 60 | 9.4 | 580 | 80 |
| 125 | 5.5 | 400 | 50 | 5.5 | 540 | 80 | 9.4 | 720 | 100 |
| 150 | 5.5 | 460 | 60 | 9.4 | 640 | 100 | 10.9 | 840 | 120 |
| 200 | 7.1 | 600 | 80 | 9.8 | 820 | 120 | 12.9 | 1100 | 150 |
| 250 | 9.4 | 740 | 100 | 10.4 | 960 | 120 | 15.2 | 1420 | 210 |
| 300 | 9.4 | 840 | 100 | 13.3 | 1180 | 150 | 17.3 | 1680 | 240 |
| 350 | 9.4 | 1000 | 120 | 15.8 | 1380 | 180 | 19.6 | 1940 | 270 |
| 400 | 10.6 | 1100 | 120 | 16.8 | 1580 | 210 | 23.8 | 2200 | 300 |
| 450 | 13.0 | 1260 | 150 | 18.3 | 1720 | 210 | 26.2 | 2500 | 360 |
| 500 | 13.7 | 1380 | 150 | 18.9 | 1940 | 250 | 26.2 | 2800 | 400 |
| 600 | 16.2 | 1640 | 180 | 22.7 | 2320 | 300 | 27.6 | 3280 | 450 |
| 700 | 18.6 | 1900 | 210 | 24.5 | 2660 | 300 | 37.2 | 3880 | 550 |
| 800 | 18.6 | 2180 | 240 | 28.3 | 3100 | 400 | 43.8 | 4360 | 600 |
| 900 | 20.0 | 2440 | 270 | 30.0 | 3400 | 420 | 48.3 | 5000 | 700 |
| 1000 | 22.9 | 2720 | 300 | 33.2 | 3860 | 500 | 52.6 | 5460 | 750 |

Elbow specification



| D | R | 0.6MPa | | 1.0MPa | | 1.6MPa | |
|------|-------|--------|-------|--------|-------|--------|-------|
| | | TH | L | TH | L | TH | L |
| 10 | 15 | 5.5 | 115 | 5.5 | 115 | 5.5 | 115 |
| 15 | 22.5 | 5.5 | 122.5 | 5.5 | 122.5 | 5.5 | 122.5 |
| 20 | 30 | 5.5 | 130 | 5.5 | 130 | 5.5 | 130 |
| 25 | 37.5 | 5.5 | 137.5 | 5.5 | 137.5 | 5.5 | 137.5 |
| 32 | 48 | 5.5 | 148 | 5.5 | 148 | 5.5 | 148 |
| 40 | 60 | 5.5 | 160 | 5.5 | 160 | 5.5 | 160 |
| 50 | 75 | 5.5 | 175 | 5.5 | 175 | 5.5 | 225 |
| 65 | 97.5 | 5.5 | 197.5 | 5.5 | 247.5 | 5.5 | 257.5 |
| 80 | 120 | 5.5 | 270 | 5.5 | 280 | 5.5 | 320 |
| 100 | 150 | 5.5 | 300 | 5.5 | 330 | 9.4 | 400 |
| 125 | 187.5 | 5.5 | 387.5 | 5.5 | 417.5 | 9.4 | 487.5 |
| 150 | 225 | 5.5 | 425 | 9.4 | 505 | 10.9 | 595 |
| 200 | 300 | 7.1 | 520 | 9.8 | 660 | 12.9 | 800 |
| 250 | 375 | 9.4 | 655 | 10.4 | 798 | 15.2 | 995 |
| 300 | 450 | 9.4 | 750 | 13.3 | 950 | 17.3 | |
| 350 | 525 | 9.8 | 925 | 15.8 | 1095 | 19.6 | |
| 400 | 600 | 10.6 | 1020 | 16.8 | | 23.8 | |
| 450 | 675 | 13.0 | 1155 | 18.3 | | 26.2 | |
| 500 | 500 | 13.7 | 1290 | 18.9 | | 26.2 | |
| 600 | 600 | 16.2 | 1540 | 22.7 | | 27.6 | |
| 700 | 700 | 18.6 | | 24.5 | | 37.2 | |
| 800 | 800 | 18.6 | | 28.3 | | 43.8 | |
| 900 | 900 | 20.0 | | 30.2 | | 48.3 | |
| 1000 | 1000 | 22.9 | | 33.2 | | 52.6 | |

Reducer specification



| D1 | D2 | L0 | 0.6MPa | | 1.0MPa | | 1.6MPa | |
|------|-----|------|--------|-------|--------|-------|--------|-------|
| | | | TH | L | TH | L | TH | L |
| 15 | 10 | 37.5 | 5.5 | 237.5 | 5.5 | 237.5 | 5.5 | 237.5 |
| 20 | 15 | 37.5 | 5.5 | 237.5 | 5.5 | 237.5 | 5.5 | 237.5 |
| 25 | 20 | 37.5 | 5.5 | 237.5 | 5.5 | 237.5 | 5.5 | 237.5 |
| 32 | 25 | 37.5 | 5.5 | 237.5 | 5.5 | 237.5 | 5.5 | 237.5 |
| 40 | 32 | 37.5 | 5.5 | 237.5 | 5.5 | 237.5 | 5.5 | 237.5 |
| 50 | 40 | 37.5 | 5.5 | 237.5 | 5.5 | 237.5 | 5.5 | 237.5 |
| 65 | 50 | 37.5 | 5.5 | 287.5 | 5.5 | 237.5 | 5.5 | 347.5 |
| 80 | 65 | 37.5 | 5.5 | 347.5 | 5.5 | 287.5 | 5.5 | 397.5 |
| 100 | 80 | 50.0 | 5.5 | 390 | 5.5 | 350 | 9.4 | 500 |
| 125 | 100 | 62.5 | 5.5 | 472.5 | 5.5 | 412.5 | 9.4 | 612.5 |
| 150 | 125 | 62.5 | 9.4 | 572.5 | 5.5 | 462.5 | 10.9 | 732.5 |
| 200 | 100 | 250 | 9.8 | 790 | 7.1 | 620 | 12.9 | 1000 |
| 200 | 150 | 125 | 9.8 | 765 | 7.1 | 545 | 12.9 | 1000 |
| 250 | 200 | 125 | 10.4 | 905 | 9.4 | 625 | 15.2 | 1245 |
| 300 | 200 | 250 | 13.3 | 1110 | 9.4 | 770 | 17.3 | |
| 300 | 250 | 125 | 13.3 | 1045 | 9.4 | 705 | 17.3 | |
| 350 | 300 | 125 | 15.8 | 1195 | 9.8 | 825 | 19.6 | |
| 400 | 300 | 250 | 16.8 | | 10.6 | 970 | 23.8 | |
| 400 | 350 | 125 | 16.8 | | 10.6 | 945 | 23.8 | |
| 450 | 400 | 125 | 18.3 | | 13.0 | 1025 | 26.2 | |
| 500 | 400 | 250 | 18.9 | | 13.7 | 1210 | 26.2 | |
| 500 | 450 | 125 | 18.9 | | 13.7 | 1145 | 26.2 | |
| 600 | 500 | 250 | 22.7 | | 16.2 | 1430 | 27.6 | |
| 700 | 600 | 250 | 24.5 | | 18.6 | | 37.2 | |
| 800 | 700 | 250 | 28.3 | | 18.6 | | 43.8 | |
| 900 | 800 | 250 | 30.0 | | 20.0 | | 48.3 | |
| 1000 | 900 | 250 | 33.2 | | 22.9 | | 52.6 | |