



Industrial Business Link

SERVING ALL YOUR NEEDS FOR PIPE, PIPE-FITTINGS, FLANGES, VALVES, GASKETS & STUD BOLTS

SPECIALIST IN
Carbon Steel
Stainless Steel
Alloy Steel
Low Temperature
&
High Pressure
Materials

APPROXIMATE WEIGHT OF FLANGES & FORGED FITTINGS

| DN SIZE | CLASS 150 | | | | | | | | | | CLASS 300 | | | | | | | | | | CLASS 600 | | | | | | | | | | CLASS 900 | | | | | | | | | | | | | |
|---------|--------------|------|---------|------|-----------|------|----------|------|-------|------|--------------|------|---------|------|-----------|------|----------|------|-------|------|--------------|------|---------|------|-----------|------|----------|------|-------|------|--------------|------|---------|------|-----------|------|----------|------|-------|-------|-----|-----|-----|-----|
| | WELDING NECK | | SLIP-ON | | LAP JOINT | | THREADED | | BLIND | | WELDING NECK | | SLIP-ON | | LAP JOINT | | THREADED | | BLIND | | WELDING NECK | | SLIP-ON | | LAP JOINT | | THREADED | | BLIND | | WELDING NECK | | SLIP-ON | | LAP JOINT | | THREADED | | BLIND | | | | | |
| | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | | | | |
| 1/2 | 0.7 | 1.5 | 0.4 | 0.9 | 0.4 | 0.9 | 0.4 | 0.9 | 0.5 | 1.1 | 0.8 | 1.8 | 0.7 | 1.5 | 0.7 | 1.5 | 0.7 | 1.5 | 0.8 | 1.8 | 0.9 | 2 | 0.8 | 1.8 | 0.8 | 1.8 | 0.9 | 2 | 0.8 | 1.8 | 2.1 | 4.6 | 1.8 | 4 | 1.8 | 4 | 1.8 | 4 | 1.9 | 4.2 | | | | |
| 3/4 | 0.8 | 1.8 | 0.7 | 1.5 | 0.7 | 1.5 | 0.7 | 1.5 | 0.8 | 1.8 | 1.4 | 3.1 | 1.2 | 2.6 | 1.2 | 2.6 | 1.2 | 2.6 | 1.6 | 3.5 | 1.4 | 3.1 | 1.4 | 3.1 | 1.4 | 3.1 | 1.4 | 3.1 | 1.4 | 3.1 | 2.7 | 5.9 | 2.4 | 5.3 | 2.3 | 5 | 2.3 | 5 | 2.7 | 6 | | | | |
| 1 | 1.1 | 2.4 | 0.8 | 1.8 | 0.8 | 1.8 | 0.8 | 1.8 | 0.9 | 2 | 1.7 | 3.7 | 1.4 | 3.1 | 1.4 | 3.1 | 1.4 | 3.1 | 1.9 | 4.2 | 1.7 | 3.7 | 1.7 | 3.7 | 1.7 | 3.7 | 1.7 | 3.7 | 3.9 | 8.6 | 3.6 | 7.9 | 3.6 | 7.9 | 3.6 | 7.9 | 3.7 | 8.1 | | | | | | |
| 1 1/4 | 1.5 | 3.3 | 1.2 | 2.6 | 1.1 | 2.4 | 1.2 | 2.6 | 1.3 | 2.9 | 2.2 | 4.8 | 1.8 | 4 | 1.8 | 4 | 1.9 | 4.2 | 2 | 4.4 | 2.6 | 5.8 | 2.1 | 4.6 | 2.1 | 4.6 | 2.3 | 5 | 2.4 | 5.3 | 4.5 | 9.9 | 4.1 | 9 | 4.1 | 9 | 4.1 | 9 | 4.3 | 9.5 | | | | |
| 1 1/2 | 1.8 | 4 | 1.4 | 3.1 | 1.4 | 3.1 | 1.5 | 3.3 | 1.6 | 3.5 | 3.2 | 7 | 2.7 | 6 | 2.7 | 6 | 2.7 | 6 | 2.8 | 6.2 | 2.9 | 6.4 | 3.1 | 6.8 | 3.1 | 6.8 | 3.3 | 7.3 | 3.4 | 7.5 | 6.2 | 13.7 | 5.4 | 12 | 5.4 | 12 | 5.4 | 12 | 5.9 | 13 | | | | |
| 2 | 2.7 | 6 | 2.2 | 4.8 | 2.2 | 4.8 | 2.3 | 5.1 | 2.6 | 5.7 | 3.6 | 7.9 | 3.2 | 7 | 3.2 | 7 | 3.3 | 7.3 | 3.5 | 7.7 | 4.7 | 10.4 | 3.9 | 8.6 | 3.2 | 8.6 | 4 | 8.8 | 4.4 | 9.7 | 11.3 | 24.9 | 10.5 | 23.1 | 10.5 | 23.1 | 10.5 | 23.1 | 11.3 | 24.9 | | | | |
| 2 1/2 | 4.4 | 9.8 | 3.5 | 7.7 | 3.5 | 7.7 | 3.7 | 8.1 | 4.1 | 9 | 5.4 | 12 | 4.5 | 9.9 | 4.5 | 9.9 | 4.6 | 10.1 | 5.3 | 11.7 | 4.8 | 15 | 5.4 | 11.9 | 3.4 | 11.6 | 5.5 | 12.1 | 6.8 | 15 | 16.3 | 36 | 15.8 | 34.8 | 15.8 | 34.8 | 15.8 | 34.8 | 16 | 35.2 | | | | |
| 3 | 5.2 | 11.5 | 3.8 | 8.4 | 3.8 | 8.4 | 4.1 | 9 | 5.1 | 11.2 | 7.3 | 16.1 | 5.9 | 13 | 5.9 | 13 | 6.3 | 13.9 | 7.2 | 15.9 | 8.7 | 19.3 | 7.3 | 16.1 | 7.3 | 16.1 | 7.4 | 16.3 | 8.9 | 19.7 | 15 | 33 | 12.3 | 27 | 11.8 | 26 | 12.3 | 27 | 11.8 | 26 | | | | |
| 3 1/2 | 6.4 | 14.2 | 5 | 11 | 5 | 11 | 5.1 | 11.2 | 6.5 | 14.3 | 8.9 | 19.6 | 7.5 | 16.5 | 7.5 | 16.5 | 7.8 | 17.2 | 9.2 | 20.3 | 11.6 | 25.5 | 9 | 19.8 | 9.2 | 20.2 | 12.7 | 28 | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| 4 | 7.5 | 16.6 | 5.6 | 12.3 | 5.6 | 12.3 | 5.9 | 13 | 7.5 | 16.5 | 11.8 | 26 | 10 | 22 | 10 | 22 | 10.2 | 22.4 | 12.2 | 26.8 | 18.4 | 40.5 | 16.5 | 36.4 | 16.1 | 35.5 | 16.8 | 37 | 18.6 | 41 | 24 | 52.8 | 23.2 | 51 | 22.6 | 49.8 | 23.2 | 51 | 24.5 | 54 | | | | |
| 5 | 9.2 | 20.2 | 6.5 | 14.3 | 6.5 | 14.3 | 7 | 15.4 | 9.5 | 20.3 | 16 | 35.2 | 12.5 | 27.5 | 12.5 | 27.5 | 12.9 | 28.4 | 16 | 35.2 | 31 | 68 | 28.5 | 62.8 | 27.5 | 60.6 | 28.5 | 62.8 | 30.8 | 68 | 38.5 | 85 | 37.5 | 82.6 | 36.5 | 80.5 | 37.5 | 82.6 | 39.5 | 87 | | | | |
| 6 | 11.0 | 24.3 | 8.1 | 18 | 8.1 | 18 | 8.4 | 18.5 | 11.8 | 26 | 20.2 | 44.6 | 16.5 | 36.4 | 16.5 | 36.4 | 16.8 | 37 | 22 | 48.4 | 37 | 81.4 | 36.2 | 79.8 | 35.4 | 78 | 36.2 | 79.8 | 38 | 83.6 | 50 | 110 | 48.3 | 106 | 47.5 | 105 | 48.3 | 106 | 51.5 | 113.5 | | | | |
| 8 | 18.4 | 40.6 | 13 | 28.6 | 13 | 28.6 | 13 | 28.6 | 20.4 | 45 | 31.2 | 68.8 | 25.5 | 56 | 25.5 | 56 | 26 | 57.2 | 36 | 79.5 | 54 | 120 | 51.5 | 114 | 49.5 | 109 | 21.5 | 114 | 62.2 | 137 | 85 | 187 | 75 | 165 | 86 | 190 | 75 | 165 | 86 | 196 | | | | |
| 10 | 25.5 | 56.2 | 18.4 | 40 | 18.4 | 40 | 18 | 39.5 | 31 | 68 | 44.3 | 97.5 | 35 | 77 | 35 | 77 | 37 | 82.5 | 55 | 121 | 98.5 | 195 | 176 | 62 | 148 | 163 | 76.2 | 168 | 102 | 225 | 123 | 271 | 110 | 243 | 124 | 273 | 110 | 243 | 131 | 289 | | | | |
| 12 | 37 | 81.4 | 28.5 | 63 | 28.5 | 63 | 29 | 64 | 47 | 103 | 63.5 | 140 | 52 | 115 | 52 | 115 | 52 | 115 | 62 | 137 | 53 | 117 | 82.5 | 182 | 105 | 231 | 89.5 | 197 | 89 | 196 | 89.5 | 197 | 132 | 291 | 168 | 370 | 146 | 322 | 167 | 368 | 146 | 322 | 187 | 412 |
| 14 | 51 | 113 | 37.5 | 83 | 41.5 | 91.5 | 39 | 86 | 60 | 132 | 86 | 190 | 73 | 161 | 86 | 190 | 73 | 161 | 108 | 238 | 150 | 330 | 102 | 225 | 111 | 245 | 102 | 225 | 185.8 | 348 | 198 | 436 | 172 | 379 | 180 | 397 | 172 | 379 | 224 | 494 | | | | |
| 16 | 61.5 | 136 | 44.5 | 98 | 53 | 117 | 47 | 103 | 81 | 178 | 112 | 247 | 88 | 194 | 113 | 249 | 88 | 194 | 139 | 306 | 177 | 390 | 150 | 330 | 165 | 363 | 150 | 330 | 225 | 496 | 225 | 495 | 202 | 433 | 210 | 463 | 192 | 423 | 259 | 593 | | | | |
| 18 | 71.5 | 156 | 54 | 119 | 59 | 130 | 57 | 126 | 93 | 205 | 141 | 310 | 115 | 253 | 234 | 295 | 115 | 253 | 178 | 392 | 228 | 503 | 180 | 397 | 194 | 428 | 180 | 397 | 285 | 628 | 318 | 701 | 272 | 600 | 294 | 648 | 272 | 600 | 383 | 844 | | | | |
| 20 | 85 | 187 | 72 | 158 | 74 | 163 | 76 | 167 | 127 | 280 | 173 | 382 | 139 | 306 | 167 | 368 | 139 | 306 | 228 | 503 | 285 | 628 | 231 | 509 | 255 | 562 | 231 | 509 | 365 | 805 | 376 | 829 | 330 | 727 | 365 | 805 | 330 | 727 | 482 | 1063 | | | | |
| 24 | 119 | 262 | 95 | 209 | 99 | 218 | 97 | 214 | 190 | 419 | 248 | 546 | 212 | 467 | 240 | 549 | 212 | 467 | 350 | 772 | 372 | 820 | 330 | 727 | 362 | 798 | 330 | 727 | 532 | 1170 | 680 | 1498 | 632 | 1393 | 700 | 1543 | 632 | 1393 | 905 | 1995 | | | | |

FORGED FITTINGS

CARBON, STAINLESS AND ALLOY STEEL
(THREADED AND SOCKET WELD)

| DN SIZE | CLASS 1500 | | | | | | | | | | CLASS 2500 | | | | | | | | | |
|---------|--------------|-------|---------|------|-----------|------|----------|------|-------|------|--------------|------|-----------|------|----------|------|-------|------|--|--|
| | WELDING NECK | | SLIP-ON | | LAP JOINT | | THREADED | | BLIND | | WELDING NECK | | LAP JOINT | | THREADED | | BLIND | | | |
| | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | | |
| 1/2 | 2.1 | 4.6 | 1.8 | 4 | 1.8 | 4 | 1.8 | 4 | 1.9 | 4.2 | 3.2 | 7 | 3 | 6.6 | 3 | 6.6 | 3 | 7 | | |
| 3/4 | 2.7 | 5.9 | 2.4 | 5.3 | 2.3 | 5 | 2.3 | 5 | 2.7 | 6 | 3.6 | 8 | 4 | 8.8 | 4 | 8.8 | 4 | 10 | | |
| 1 | 3.9 | 8.6 | 3.6 | 7.9 | 3.6 | 7.9 | 3.6 | 7.9 | 3.6 | 7.9 | 3.6 | 7.9 | 3.6 | 7.9 | 3.6 | 7.9 | 3.6 | 7.9 | | |
| 1 1/4 | 4.5 | 9.9 | 4.1 | 9 | 4.1 | 9 | 4.1 | 9 | 4.3 | 9.5 | 7.8 | 17.2 | 8 | 17.6 | 8 | 17.6 | 8 | 18 | | |
| 1 1/2 | 6.2 | 13.7 | 5.4 | 12 | 5.4 | 12 | 5.4 | 12 | 5.9 | 13 | 11.5 | 25.4 | 11 | 25 | 11 | 25 | 11 | 25 | | |
| 2 | 11.3 | 24.9 | 10.5 | 23.1 | 10.5 | 23.1 | 10.5 | 23.1 | 11.3 | 24.9 | 19 | 42 | 17 | 38 | 17 | 38 | 17 | 38 | | |
| 2 1/2 | 16.3 | 36 | 15.8 | 34.8 | 15.8 | 34.8 | 15.8 | 34.8 | 16 | 35.2 | 24 | 52 | 25 | 55 | 25 | 55 | 25 | 55 | | |
| 3 | 21 | 46.3 | 21.5 | 43 | 18.5 | 40.8 | 18.5 | 40.8 | 19.5 | 43 | 42.6 | 94 | 38 | 83 | 38 | 83 | 39 | 86 | | |
| 3 1/2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 4 | 31.8 | 70.1 | 31 | 68.3 | 29 | 64 | 29 | 64 | 33 | 72.8 | 64 | 141 | 58 | 127 | 58 | 127 | 60 | 133 | | |
| 5 | 59 | 129.8 | 58.8 | 130 | 54 | 119 | 53 | 117 | 60 | 132 | 111 | 244 | 85 | 210 | 95 | 210 | 101 | 223 | | |
| 6 | 72 | 158 | 74 | 163 | 62 | 137 | 61 | 134 | 75 | 165 | 171 | 378 | 146 | 323 | 146 | 323 | 156 | 345 | | |
| 8 | 124 | 273 | 112 | 247 | 106 | 233 | 105 | 231 | 125 | 275 | 261 | 576 | 220 | 485 | 220 | 485 | 242 | 533 | | |
| 10 | 207 | 456 | 184 | 406 | 173 | 381 | 172 | 379 | 215 | 474 | 485 | 1068 | 420 | 925 | 420 | 925 | 465 | 1023 | | |
| 12 | 306 | 674 | 264 | 581 | 262 | 577 | 264 | 582 | 316 | 697 | 698 | 1539 | 590 | 1300 | 590 | 1300 | 665 | 1463 | | |

CARBON STEEL

ASTM/ASME SA/A-105N

ALLOY STEEL

ASTM/ASME SA/A-182

F5 - F9 - F11 - F22

LOW TEMPERATURE

ASTM/ASME SA/A-350

LF1 - LF2 - LF3

STAINLESS STEEL

ASTM/ASME SA/A-182

F304 - F304L

F316 - F316L

F321 - F347

3000# 6000#

90 ELBOW

45 ELBOW

CAPS

TEE

REDUCING TEE

COUPLINGS (Full / Half)

UNION

BUSHING

PLUGS

WELDOLET

THREDOLET

SOCKOLET

SWAGE NIPPLES

| DN SIZE | CLASS 3000 (Socket Weld) | | | | | | | | | | | | | |
|---------|--------------------------|------|----------|------|------|------|-----|------|-----------|------|------------------|------|-------|------|
| | Elbow 90 | | Elbow 45 | | Tee | | Cap | | Couplings | | Couplings (Half) | | Union | |
| | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb | kg | Lb |
| 1/2 | .22 | .482 | .20 | .401 | .29 | .62 | .10 | .34 | .13 | .28 | .13 | .28 | .13 | .28 |
| 3/4 | .33 | .68 | .28 | .55 | .42 | .88 | .16 | .35 | .17 | .40 | .21 | .40 | .21 | .40 |
| 1 | .53 | 1.06 | .42 | .89 | .65 | 1.30 | .25 | .52 | .29 | .65 | .30 | .65 | .30 | .65 |
| 1 1/4 | .84 | 1.72 | .69 | 1.23 | 1.04 | 2.00 | .45 | 1.01 | .45 | 1.05 | .34 | 1.05 | 1.10 | 2.26 |
| 1 1/2 | 1.08 | 2.33 | .80 | 1.76 | 1.35 | 2.99 | .59 | 1.13 | .59 | 1.23 | .66 | 1.23 | 1.61 | 3.42 |
| 2 | 1.68 | 3.88 | 1.35 | 3.02 | 2.04 | 4.60 | .96 | 2. | | | | | | |