

ASTM 美國材料試驗學會標準規格表

| ASTM 標準規格 | | OD mm | 10 | 20 | 30 | STD | 40 | 60 | XS | 80 | 100 | 120 | 140 | 160 | XXS |
|--------------|-------|----------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 6 | 1/8 | 10.3 | | | | 1.73 0.37 | 1.73 0.37 | | 2.41 0.47 | 2.41 0.47 | | | | | |
| 8 | 1/4 | 13.7 | | | | 2.24 0.63 | 2.24 0.63 | | 3.02 0.80 | 3.02 0.80 | | | | | |
| 10 | 3/8 | 17.1 | | | | 2.31 0.84 | 2.31 0.84 | | 3.20 1.10 | 3.20 1.10 | | | | | |
| 15 | 1/2 | 21.3 | | | | 2.77 1.27 | 2.77 1.27 | | 3.73 1.62 | 3.73 1.62 | | | | 4.78 1.95 | 7.47 2.55 |
| 20 | 3/4 | 26.7 | | | | 2.87 1.69 | 2.87 1.69 | | 3.91 2.20 | 3.91 2.20 | | | | 5.56 2.90 | 7.82 3.64 |
| 25 | 1 | 33.4 | | | | 3.38 2.50 | 3.38 2.50 | | 4.55 3.24 | 4.55 3.24 | | | | 6.35 4.24 | 9.09 5.45 |
| 32 | 1-1/4 | 42.2 | | | | 3.56 3.39 | 3.56 3.39 | | 4.85 4.47 | 4.85 4.47 | | | | 6.35 5.61 | 9.70 7.77 |
| 40 | 1-1/2 | 48.3 | | | | 3.68 4.05 | 3.68 4.05 | | 5.08 5.41 | 5.08 5.41 | | | | 7.14 7.25 | 10.15 9.55 |
| 50 | 2 | 60.3 | | | | 3.91 5.44 | 3.91 5.44 | | 5.54 7.48 | 5.54 7.48 | | | | 8.74 11.11 | 11.07 13.44 |
| 65 | 2-1/2 | 73.0 | | | | 5.16 8.63 | 5.16 8.63 | | 7.01 11.41 | 7.01 11.41 | | | | 9.53 14.92 | 14.02 20.39 |
| 80 | 3 | 88.9 | | | | 5.49 11.29 | 5.49 11.29 | | 7.62 15.27 | 7.62 15.27 | | | | 11.13 21.35 | 15.24 27.68 |
| 90 | 3-1/2 | 101.6 | | | | 5.74 13.57 | 5.74 13.57 | | 8.08 18.63 | 8.08 18.63 | | | | — — | — — |
| 100 | 4 | 114.3 | | | | 6.02 16.07 | 6.02 16.07 | | 8.56 22.32 | 8.56 22.32 | | 11.13 28.32 | | 13.49 33.54 | 17.12 41.03 |
| 125 | 5 | 141.3 | | | | 6.55 21.77 | 6.55 21.77 | | 9.53 30.97 | 9.53 30.97 | | 12.70 40.28 | | 15.88 49.11 | 19.05 57.43 |
| 150 | 6 | 168.3 | | | | 7.11 28.26 | 7.11 28.26 | | 10.97 42.56 | 10.97 42.56 | | 14.27 54.20 | | 18.26 67.56 | 21.95 79.22 |
| 200 | 8 | 219.1 | | 6.35 33.31 | 7.04 36.81 | 8.18 42.55 | 8.18 42.55 | 10.31 53.08 | 12.70 64.64 | 12.70 64.64 | 15.09 75.92 | 18.26 90.44 | 20.62 100.92 | 23.01 111.27 | 22.23 107.92 |
| 250 | 10 | 273.1 | | 6.35 41.77 | 7.80 51.03 | 9.27 60.31 | 9.27 60.31 | 12.70 81.55 | 12.70 81.55 | 15.09 96.01 | 18.26 114.75 | 21.44 133.06 | 25.40 155.15 | 28.58 172.33 | 25.40 155.15 |
| 300 | 12 | 323.9 | | 6.35 49.73 | 8.38 65.20 | 9.53 73.88 | 10.31 79.73 | 14.27 108.96 | 12.70 97.46 | 17.48 132.08 | 21.44 159.91 | 25.40 186.97 | 28.58 208.14 | 33.32 238.76 | 25.40 186.97 |
| 350 | 14 | 355.6 | 6.35 54.69 | 7.92 67.90 | 9.53 81.33 | 9.53 81.33 | 11.13 94.55 | 15.09 126.71 | 12.70 107.39 | 19.05 158.10 | 23.83 194.96 | 27.79 224.65 | 31.75 253.56 | 35.71 281.70 | |
| 400 | 16 | 406.4 | 6.35 62.64 | 7.92 77.83 | 9.53 93.27 | 9.53 93.27 | 12.70 123.30 | 16.66 160.12 | 12.70 123.30 | 21.44 203.53 | 26.19 245.56 | 30.96 286.64 | 36.53 333.19 | 40.49 365.36 | |
| 450 | 18 | 457.2 | 6.35 70.60 | 7.92 87.75 | 11.13 122.43 | 9.53 105.21 | 14.27 155.87 | 19.05 205.83 | 12.70 139.21 | 23.88 255.17 | 29.36 309.76 | 34.93 363.73 | 39.67 408.45 | 45.24 459.59 | |
| 500 | 20 | 508.0 | 6.35 78.55 | 9.53 117.15 | 12.70 155.12 | 9.53 117.15 | 15.09 183.42 | 20.62 247.83 | 12.70 155.12 | 26.19 311.17 | 32.54 381.53 | 38.10 441.49 | 44.45 508.11 | 50.01 564.81 | |
| 550 | 22 | 558.8 | 6.35 86.51 | 9.53 129.08 | 12.70 171.03 | 9.53 129.08 | — — | 22.23 294.14 | 12.70 171.03 | 28.58 373.69 | 34.93 451.25 | 41.28 526.82 | 47.63 600.40 | 53.98 671.99 | |
| 600 | 24 | 609.6 | 6.35 94.46 | 9.53 141.02 | 14.27 209.50 | 9.53 141.02 | 17.48 255.24 | 24.61 355.02 | 12.70 186.94 | 30.96 441.78 | 38.89 547.33 | 46.02 639.58 | 52.37 719.63 | 59.54 807.63 | |
| 650 | 26 | 660.4 | 7.92 127.43 | 12.70 202.85 | — — | 9.53 152.96 | — — | | 12.70 202.85 | | | | | | |
| 700 | 28 | 711.2 | 7.92 137.36 | 12.70 218.76 | 15.88 272.29 | 9.53 164.90 | — — | | 12.70 218.76 | | | | | | |
| 750 | 30 | 762.0 | 7.92 147.28 | 12.70 234.67 | 15.88 292.18 | 9.53 176.84 | — — | | 12.70 234.67 | | | | | | |
| 800 | 32 | 812.8 | 7.92 157.20 | 12.70 250.58 | 15.88 312.07 | 9.53 188.78 | 17.48 342.83 | | 12.70 250.58 | | | | | | |
| 850 | 34 | 863.6 | 7.92 167.12 | 12.70 266.49 | 15.88 331.97 | 9.53 200.71 | 17.48 364.73 | | 12.70 266.49 | | | | | | |
| 900 | 36 | 914.4 | 7.92 177.04 | 12.70 282.40 | 15.88 351.86 | 9.53 212.65 | 19.05 420.61 | | 12.70 282.40 | | | | | | |

OD'S = mm
Wall Thickness = mm
Weight = Kg / m (plain end mass)
For 5 S , 10 S , 40 S , 80 S

P.S以上表格按公式計算，實際重量可能會有公差。