

■寸法・質量表 配管用ステンレス鋼管(JIS G3459)

| 呼び径 | | 外径 | 呼び厚さ | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----------|-------------|-------|-------|-----------|-------------|-------|-------|-----------|-------------|-----|-------|----------|-------------|-------|------|----------|-------------|-------|-------|------|-------|-------|-------|-------|-----|
| A | B | | スケジュール5S | | | | スケジュール10S | | | | スケジュール20S | | | | スケジュール40 | | | | スケジュール80 | | | | | | | | | |
| | | | 厚さ | 単位質量kg/m 種類 | | | 厚さ | 単位質量kg/m 種類 | | | 厚さ | 単位質量kg/m 種類 | | | 厚さ | 単位質量kg/m 種類 | | | 厚さ | 単位質量kg/m 種類 | | | | | | | | |
| (A) | (B) | (C) | (D) | (A) | (B) | (C) | (D) | (A) | (B) | (C) | (D) | (A) | (B) | (C) | (D) | (A) | (B) | (C) | (D) | (A) | (B) | (C) | (D) | | | | | |
| 6 | 1/8 | 10.5 | 1.0 | 0.237 | 0.238 | 0.233 | 0.231 | 1.2 | 0.278 | 0.280 | 0.273 | 1.5 | 1.5 | 0.336 | 0.338 | 0.331 | 0.329 | 1.7 | 0.373 | 0.375 | 0.367 | 0.364 | 2.4 | 0.484 | 0.487 | 0.476 | 0.473 | |
| 8 | 1/2 | 13.8 | 1.2 | 0.377 | 0.379 | 0.370 | 0.368 | 1.65 | 0.499 | 0.503 | 0.491 | 0.488 | 2.0 | 0.588 | 0.592 | 0.578 | 0.575 | 2.2 | 0.636 | 0.640 | 0.625 | 0.621 | 3.7 | 0.807 | 0.812 | 0.794 | 0.789 | |
| 10 | 3/8 | 17.3 | 1.2 | 0.481 | 0.473 | 0.473 | 0.470 | 1.65 | 0.643 | 0.647 | 0.633 | 0.629 | 2.0 | 0.762 | 0.767 | 0.750 | 0.745 | 2.3 | 0.859 | 0.865 | 0.845 | 0.840 | 3.2 | 1.12 | 1.13 | 1.11 | 1.10 | |
| 15 | 1/2 | 21.7 | 1.65 | 0.824 | 0.829 | 0.811 | 0.806 | 2.1 | 1.03 | 1.03 | 1.01 | 1.00 | 2.5 | 1.20 | 1.20 | 1.18 | 1.17 | 2.8 | 1.32 | 1.33 | 1.30 | 1.29 | 3.7 | 1.66 | 1.67 | 1.63 | 1.62 | |
| 20 | 3/4 | 27.2 | 1.65 | 1.05 | 1.06 | 1.03 | 1.03 | 2.1 | 1.31 | 1.32 | 1.29 | 1.28 | 2.5 | 1.54 | 1.55 | 1.51 | 1.50 | 2.9 | 1.76 | 1.77 | 1.73 | 1.72 | 3.9 | 2.26 | 2.28 | 2.23 | 2.21 | |
| 25 | 1 | 34.0 | 1.65 | 1.33 | 1.34 | 1.31 | 1.30 | 2.8 | 2.18 | 2.19 | 2.14 | 2.13 | 3.0 | 2.32 | 2.33 | 2.28 | 2.26 | 3.4 | 2.59 | 2.61 | 2.55 | 2.53 | 4.5 | 3.31 | 3.33 | 3.25 | 3.23 | |
| 32 | 1 1/4 | 42.7 | 1.65 | 1.69 | 1.70 | 1.66 | 1.65 | 2.8 | 2.78 | 2.80 | 2.74 | 2.72 | 3.0 | 2.97 | 2.99 | 2.92 | 2.90 | 3.6 | 3.51 | 3.53 | 3.45 | 3.43 | 4.9 | 4.61 | 4.64 | 4.54 | 4.51 | |
| 40 | 1 1/2 | 48.6 | 1.65 | 1.93 | 1.94 | 1.90 | 1.89 | 2.8 | 3.19 | 3.21 | 3.14 | 3.12 | 3.0 | 3.41 | 3.43 | 3.35 | 3.33 | 3.7 | 4.14 | 4.16 | 4.07 | 4.05 | 5.1 | 5.53 | 5.56 | 5.44 | 5.40 | |
| 50 | 2 | 60.5 | 1.65 | 2.42 | 2.43 | 2.38 | 2.36 | 2.8 | 4.02 | 4.05 | 3.96 | 3.93 | 3.5 | 4.97 | 5.00 | 4.89 | 4.86 | 3.9 | 5.50 | 5.53 | 5.41 | 5.38 | 5.5 | 7.54 | 7.58 | 7.41 | 7.37 | |
| 65 | 2 1/2 | 76.3 | 2.1 | 3.88 | 3.91 | 3.82 | 3.79 | 3.0 | 5.48 | 5.51 | 5.39 | 5.35 | 3.5 | 6.35 | 6.39 | 6.24 | 6.20 | 5.2 | 9.21 | 9.27 | 9.06 | 9.00 | 7.0 | 12.1 | 12.2 | 11.9 | 11.8 | |
| 80 | 3 | 89.1 | 2.1 | 4.55 | 4.58 | 4.48 | 4.45 | 3.0 | 6.43 | 6.48 | 6.33 | 6.29 | 4.0 | 8.48 | 8.53 | 8.34 | 8.29 | 5.5 | 11.5 | 11.5 | 11.3 | 11.2 | 7.6 | 15.4 | 15.5 | 15.2 | 15.1 | |
| 90 | 3 1/2 | 101.6 | 2.1 | 5.20 | 5.24 | 5.12 | 5.09 | 3.0 | 7.37 | 7.42 | 7.25 | 7.20 | 4.0 | 9.72 | 9.79 | 9.56 | 9.51 | 5.7 | 13.6 | 13.7 | 13.4 | 13.3 | 8.1 | 18.9 | 19.0 | 18.6 | 18.4 | |
| 100 | 4 | 114.3 | 2.1 | 5.87 | 5.91 | 5.77 | 5.74 | 3.0 | 8.32 | 8.37 | 8.18 | 8.13 | 4.0 | 11.0 | 11.1 | 10.8 | 10.7 | 6.0 | 16.2 | 16.3 | 15.9 | 15.8 | 8.6 | 22.6 | 22.8 | 22.3 | 22.1 | |
| 125 | 5 | 139.8 | 2.8 | 9.56 | 9.62 | 9.40 | 9.34 | 3.4 | 11.6 | 11.6 | 11.4 | 11.3 | 5.0 | 16.8 | 16.9 | 16.5 | 16.4 | 6.6 | 21.9 | 22.0 | 21.5 | 21.4 | 9.5 | 30.8 | 31.0 | 30.3 | 30.1 | |
| 150 | 6 | 165.2 | 2.8 | 11.3 | 11.4 | 11.1 | 11.1 | 3.4 | 13.7 | 13.8 | 13.5 | 13.4 | 5.0 | 20.0 | 20.1 | 19.6 | 19.5 | 7.1 | 28.0 | 28.1 | 27.5 | 27.3 | 11.0 | 42.3 | 42.5 | 41.6 | 41.3 | |
| 200 | 8 | 216.3 | 2.8 | 14.9 | 15.0 | 14.6 | 14.6 | 4.0 | 21.2 | 21.3 | 20.8 | 20.7 | 6.5 | 34.0 | 34.2 | 33.4 | 33.2 | 8.2 | 42.5 | 42.8 | 41.8 | 41.6 | 12.7 | 64.4 | 64.8 | 63.4 | 63.0 | |
| 250 | 10 | 267.4 | 3.4 | 22.4 | 22.5 | 22.0 | 21.9 | 4.0 | 26.2 | 26.4 | 25.8 | 25.7 | 6.5 | 42.2 | 42.5 | 41.5 | 41.3 | 9.3 | 59.8 | 60.2 | 58.8 | 58.4 | 15.1 | 94.9 | 95.5 | 93.3 | 92.8 | |
| 300 | 12 | 318.5 | 4.0 | 31.3 | 30.8 | 30.8 | 30.6 | 4.5 | 35.2 | 35.4 | 34.6 | 34.4 | 6.5 | 50.5 | 50.8 | 49.7 | 49.4 | 10.3 | 79.1 | 79.6 | 77.8 | 77.3 | 17.4 | 131 | 131 | 128 | 128 | |
| 350 | 14 | 355.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.1 | 95.3 | 95.9 | 93.7 | 93.1 | 19.0 | 159 | 160 | 157 | 156 |
| 400 | 16 | 406.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12.7 | 125 | 125 | 122 | 122 | 21.4 | 205 | 207 | 202 | 201 |
| 450 | 18 | 457.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 14.3 | 158 | 159 | 155 | 154 | 23.8 | 257 | 259 | 253 | 251 |
| 500 | 20 | 508.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 15.1 | 185 | 187 | 182 | 181 | 26.2 | 314 | 316 | 309 | 307 |
| 550 | 22 | 558.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 15.9 | 215 | 216 | 211 | 210 | 28.6 | 378 | 380 | 372 | 369 |
| 600 | 24 | 609.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 17.5 | 258 | 260 | 254 | 252 | 31.0 | 447 | 450 | 439 | 437 |
| 650 | 26 | 660.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 18.9 | 302 | 304 | 297 | 295 | 34.0 | 531 | 534 | 522 | 519 |

| 固有識別記号 | (A) | (B) | (C) | (D) | - | - |
|-----------|--|---|--|-----------------|-----------------|-----------------|
| 適応鋼種 | SUS304,SUS304H,SUS304L,SUS321 SUS321H, SUS430,SUS430LX,SUS430J1L SUS436L | SUS309,SUS309S,SUS310,SUS310S,SUS316 SUS316H,SUS316L,SUS317,SUS317L,SUS347 SUS347H,SUS315J1 SUS315J2 SUS316Ti | SUS329J1 SUS329J3L SUS329J4L SUS821L1 SUS323L SUS327L1 | SUS405 | SUS836L | SUS890L |
| 基本質量(1)kg | 7.93 | 7.98 | 7.80 | 7.75 | 8.06 | 8.05 |
| 算出式(2) | W=0.02491t(D-t) | W=0.02507t(D-t) | W=0.02450t(D-t) | W=0.02435t(D-t) | W=0.02532t(D-t) | W=0.02529t(D-t) |

備考

質量の数値は、次の式により計算し、JIS Z 8401の規則Aによって有効桁数3けた丸める。

注 (1) 基本質量とは、1cm³の質量である。
 (2) W:管の単位質量(kg/m)
 D:管の外径(mm)
 t:管の厚さ(mm)
 (3) 適応鋼種のTPを省略しています。