

**1.1 BẢNG TIÊU CHUẨN ỐNG CÔNG NGHIỆP ASTM A312/ A778/ A358, JIS G3459**

| OD  |        | Độ dày<br>OD |        | SCH 5S |      | SCH10S |      | SCH20S |      | SCH40S |       | SCH80S |       |
|-----|--------|--------------|--------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
|     |        |              |        | mm     | mm   | mm     | mm   | mm     | mm   | mm     | mm    | mm     | mm    |
| DN  | Inch   | ASTM         | JIS    | ASTM   | JIS  | ASTM   | JIS  | ASTM   | JIS  | ASTM   | JIS   | ASTM   | JIS   |
| 8   | 1/4"   | 13.72        | 13.80  | -      | 1.20 | 1.65   | 1.65 | -      | 2.00 | 2.24   | 2.20  | 3.02   | 3.00  |
| 10  | 3/8"   | 17.15        | 17.30  | -      | 1.20 | 1.65   | 1.65 | -      | 2.00 | 2.31   | 2.30  | 3.20   | 3.20  |
| 15  | 1/2"   | 21.34        | 21.70  | 1.65   | 1.65 | 2.11   | 2.10 | -      | 2.50 | 2.77   | 2.80  | 3.73   | 3.70  |
| 20  | 3/4"   | 26.67        | *27.2  | 1.65   | 1.65 | 2.11   | 2.10 | -      | 2.50 | 2.87   | 2.90  | 3.91   | 3.90  |
| 25  | 1"     | 33.40        | *34.0  | 1.65   | 1.65 | 2.77   | 2.80 | -      | 3.00 | 3.38   | 3.40  | 4.55   | 4.50  |
| 32  | 1 1/4" | 42.16        | 42.70  | 1.65   | 1.65 | 2.77   | 2.80 | -      | 3.00 | 3.56   | 3.60  | 4.85   | 4.90  |
| 40  | 1 1/2" | 48.26        | 48.6   | 1.65   | 1.65 | 2.77   | 2.80 | -      | 3.00 | 3.68   | 3.70  | 5.08   | 5.10  |
| 50  | 2"     | 60.33        | 60.50  | 1.65   | 1.65 | 2.77   | 2.80 | -      | 3.50 | 3.91   | 3.90  | 5.54   | 5.50  |
| 65  | 2 1/2" | 73.03        | 76.30  | 2.11   | 2.10 | 3.05   | 3.00 | -      | 3.50 | 5.16   | 5.20  | 7.01   | 7.00  |
| 80  | 3"     | 88.90        | 89.10  | 2.11   | 2.10 | 3.05   | 3.00 | -      | 4.00 | 5.49   | 5.50  | 7.62   | 7.60  |
| 90  | 3 1/2" | 101.60       | 101.60 | 2.11   | 2.10 | 3.05   | 3.00 | -      | 4.00 | 5.74   | 5.70  | 8.08   | 8.10  |
| 100 | 4"     | 114.30       | 114.30 | 2.11   | 2.10 | 3.05   | 3.00 | -      | 4.00 | 6.02   | 6.00  | 8.56   | 8.60  |
| 125 | 5"     | 141.30       | 139.80 | 2.77   | 2.80 | 3.40   | 3.40 | -      | 5.00 | 6.55   | 6.60  | 9.52   | 9.50  |
| 150 | 6"     | 168.28       | 165.20 | 2.77   | 2.80 | 3.40   | 3.40 | -      | 5.00 | 7.11   | 7.10  | 10.97  | 11.00 |
| 200 | 8"     | 219.08       | 216.30 | 2.77   | 2.80 | 3.76   | 4.00 | -      | 6.50 | 8.18   | 8.20  | 12.70  | 12.70 |
| 250 | 10"    | 273.05       | 267.40 | 3.40   | 3.40 | 4.19   | 4.0  | -      | 6.50 | 9.27   | 9.30  | 12.70  | 15.10 |
| 300 | 12"    | 323.85       | 318.50 | 3.96   | 4.00 | 4.57   | 4.5  | -      | 6.50 | 9.52   | 10.30 | 12.70  | 17.40 |

**1.2. BẢNG TIÊU CHUẨN ỐNG CÔNG NGHIỆP CỖ LỚN ASTM A312/ A778/ A358/ A409, JIS G3468**

| Specification |     |        |        | SCH 5S |      | SCH10S |      | SCH20S |      | SCH40S |       |
|---------------|-----|--------|--------|--------|------|--------|------|--------|------|--------|-------|
|               |     |        |        | mm     | mm   | mm     | mm   | mm     | mm   | mm     | mm    |
| 350           | 14" | 355.60 | 355.60 | 3.96   | 4.00 | 4.78   | 5.00 | -      | 8.00 | 11.30  | 11.10 |
| 400           | 16" | 406.40 | 406.40 | 4.19   | 4.50 | 4.78   | 5.00 | -      | 8.00 | 12.70  | 12.70 |
| 450           | 18" | 457.20 | 457.20 | 4.19   | 4.50 | 4.78   | 5.00 | -      | 8.00 | 14.27  | 14.30 |
| 500           | 20" | 508.00 | 508.00 | 4.78   | 5.00 | 5.54   | 5.50 | -      | 9.50 | 15.09  | 15.10 |
| 550           | 22  | 558.8  | 558.8  | 4.78   | 5.00 | 5.54   | 5.50 | -      | 9.50 | -      | 15.9  |
| 600           | 24  | 609.6  | 609.6  | 5.54   | 5.50 | 6.35   | 6.50 | -      | 9.50 | 17.48  | 17.5  |
| 650           | 26  | 660.4  | 660.4  | -      | 5.50 | -      | 8.0  | -      | 12.7 | -      | 17.5  |
| 700           | 28  | 711.2  | 711.2  | -      | 5.50 | -      | 8.0  | -      | 12.7 | -      | 17.5  |

|             |            |        |        |      |      |      |     |   |      |       |      |
|-------------|------------|--------|--------|------|------|------|-----|---|------|-------|------|
| <b>750</b>  | <b>30</b>  | 762.0  | 762.0  | 6.35 | 6.50 | 7.92 | 8.0 | - | 12.7 | -     | 17.5 |
| <b>800</b>  | <b>32</b>  | 812.8  | 812.8  | -    | -    | -    | 8.0 | - | 12.7 | 17.48 | 17.5 |
| <b>850</b>  | <b>334</b> | 863.6  | 863.6  | -    | -    | -    | 8.0 | - | 12.7 | 17.48 | 17.5 |
| <b>900</b>  | <b>36</b>  | 914.4  | 914.4  | -    | -    | -    | 8.0 | - | 12.7 | 19.05 | 19.1 |
| <b>1000</b> | <b>40</b>  | 1016.0 | 1016.0 | -    | -    | -    | 9.5 | - | 14.3 | -     | 26.2 |