

Stainless Steel AISI 316/316L Seamless Instrumentation Tube to ASTM A269



We stock a large range of metric OD tube.

We can also supply a full range of imperial OD tube and nominal bore pipe in various gauges and schedules.

Please ask us for more details.

| Tube O.D mm | Wall mm | Tube I.D mm | Tolerance 0mm | Working Pressure | Burst Pressure bar | Weight Kg/m | Part Number | Standard Stock Item * |
|-------------|---------|-------------|---------------|------------------|--------------------|-------------|-------------|-----------------------|
| 4 | 1 | 2 | +/-0.1 | 600 | 3850 | 0.075 | S316-4x1 | |
| 6 | 1 | 4 | +/-0.1 | 426 | 2340 | 0.125 | S316-6x1 | * |
| 6 | 1.5 | 3 | +/-0.1 | 627 | | | S316-6x1.5 | * |
| 8 | 1 | 6 | +/-0.1 | 368 | 1660 | 0.175 | S316-8x1 | * |
| 8 | 1.5 | 5 | +/-0.1 | 472 | 2800 | 0.244 | S316-8x1.5 | * |
| 10 | 1 | 8 | +/-0.1 | 294 | 1290 | 0.225 | S316-10x1 | * |
| 10 | 1.5 | 7 | +/-0.1 | 389 | 1930 | 0.319 | S316-10X1.5 | * |
| 10 | 2 | 6 | +/-0.1 | 498 | 3100 | 0.401 | S316-10x2 | * |
| 12 | 1 | 10 | +/-0.8 | 245 | 1220 | 0.275 | S316-12x1 | * |
| 12 | 1.5 | 9 | +/-0.8 | 368 | 1580 | 0.394 | S316-12x1.5 | * |
| 12 | 2 | 8 | +/-0.8 | 426 | 2380 | 0.501 | S316-12x2 | * |
| 14 | 2 | 10 | +/-0.8 | 420 | 2180 | 0.601 | S316-14x2 | |
| 15 | 1 | 13 | +/-0.8 | 196 | 860 | 0.351 | S316-15x1 | * |
| 15 | 1.5 | 12 | +/-0.8 | 294 | 1140 | 0.507 | S316-15x1.5 | * |
| 15 | 2 | 11 | +/-0.8 | 392 | 1750 | 0.651 | S316-15x2 | |
| 16 | 1.5 | 13 | +/-0.8 | 235 | | | S316-16x1.5 | * |
| 16 | 2 | 12 | +/-0.8 | 368 | 1800 | 0.701 | S316-16x2 | * |
| 16 | 2.5 | 11 | +/-0.8 | 403 | 2120 | 0.845 | S316-16x2.5 | |
| 16 | 3 | 10 | +/-0.8 | 472 | 2800 | 0.977 | S316-16x3 | |
| 18 | 1.5 | 15 | +/-0.8 | 245 | 1050 | 0.620 | S316-18x1.5 | * |
| 18 | 2 | 14 | +/-0.8 | 327 | 1520 | 0.801 | S316-18x2 | |
| 20 | 1.5 | 17 | +/-0.8 | 188 | | | S316-20x1.5 | * |

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|-------------|---------|-------------|---------------|------------------|--------------------|-------------|-------------|-----------------------|
| 20 | 2 | 16 | +/-0.8 | 294 | 1250 | 0.901 | S316-20x2 | |
| 20 | 2.5 | 15 | +/-0.8 | 368 | 1550 | 1.095 | S316-20x2.5 | |
| 20 | 3 | 14 | +/-0.8 | 389 | 1960 | 1.277 | S316-20x3 | * |
| 22 | 1.5 | 19 | +/-0.8 | 171 | | | S316-22x1.5 | * |
| 22 | 2 | 18 | +/-0.8 | 267 | 1020 | 1.002 | S316-22x2 | * |
| 22 | 3 | 16 | +/-0.8 | | | | S316-22x3 | |
| 25 | 2 | 21 | +/-0.8 | 200 | | | S316-25x2 | * |
| 25 | 2.5 | 20 | +/-0.8 | 294 | 1190 | 1.408 | S316-25x2.5 | * |
| 25 | 3 | 19 | +/-0.8 | 353 | 1520 | 1.653 | S316-25x3 | |
| 28 | 1.5 | 25 | +/-0.8 | 134 | | | S316-28x1.5 | * |
| 28 | 2 | 24 | +/-0.8 | 210 | 880 | 1.302 | S316-28x2 | |
| 28 | 3 | 22 | +/-0.8 | | | | S316-28x3 | |
| 30 | 3 | 24 | +/-0.8 | 294 | 1140 | 2.028 | S31630x3 | |
| 30 | 4 | 22 | +/-0.8 | 392 | 1650 | 2.605 | S316-30x4 | |
| 35 | 2 | 31 | +/-0.15 | 168 | 670 | 1.653 | S316-35x2 | |
| 35 | 5 | 25 | +/-0.15 | | | | S316-35x2 | |
| 38 | 4 | 30 | +/-0.15 | 309 | 1240 | 3.405 | S316x38x4 | |
| 38 | 5 | 28 | +/-0.15 | | | | S316-38x5 | |
| 42 | 2 | 38 | +/-0.2 | 140 | 520 | 2.003 | S316-42x2 | |
| 42 | 3 | 36 | +/-0.2 | 210 | 860 | 2.930 | S316-42x3 | |
| 50 | 5 | 40 | +/-0.2 | | | | S316-50x5 | |

The nominal working pressure has an inverse relationship to increasing medium temperature. The nominal working pressure must be reduced in line with increased medium temperature as follows.

| Temperature | -60°C up to +20°C | 50°C | 100°C | 200°C | 300°C | 400°C |
|---------------------|-------------------|------|-------|-------|-------|-------|
| Pressure Reductions | - | 5.5% | 11.5% | 21.5% | 29% | 34% |