

# SS304N & SS316N SERIES 304 & 316 STAINLESS STEEL NIPPLES - SCHEDULE 40



## SPECIFICATION:

- Dimensions conform to ASTM A733
- Materials conform to ASTM A312 - Welded Pipe
- Threads conform to ANSI/ASME B1.20.1
- Ambient working temperature rating: -20 to 100°F (-29 to 38°C)

## CERTIFICATION:

- CRN Canadian Registration Number Listed - 0A14531.5
- NSF/ANSI Standard 372 Certified



| MATERIAL LIST   |                        |                     |
|-----------------|------------------------|---------------------|
| Name            | Percent of Composition |                     |
|                 | 304 Stainless Steel    | 316 Stainless Steel |
| Iron (FE)       | 64.0 - 72.0            | 61.845 - 72.0       |
| Carbon (C)      | 0.08 max               | 0.08 max            |
| Silicone (Si)   | 2.00 max               | 1.00 max            |
| Manganese (Mn)  | 1.50 max               | 2.00 max            |
| Phosphorus (P)  | 0.045 max              | 0.045 max           |
| Sulfur (S)      | 0.03 max               | 0.03 max            |
| Chromium (Cr)   | 18.0 - 21.0            | 16.0 - 18.0         |
| Nickel (Ni)     | 8.0 - 11.0             | 10.0 - 14.0         |
| Molybdenum (Mo) | N/A                    | 2.0 - 3.0           |

| DIMENSIONS  |             |                   |              |                          |              |        |                |      |                 |
|-------------|-------------|-------------------|--------------|--------------------------|--------------|--------|----------------|------|-----------------|
| Part No.    | Part No.    | Nominal Pipe Size | Close Length | Burst Internal Pressure* | Outside Dia. |        | Wall Thickness |      | Weight per inch |
|             |             |                   |              | PSI                      | inches       | mm     | inches         | mm   | grams           |
| SS304N-01xx | SS316N-01xx | 1/8"              | 3/4"         | 6299                     | 0.405        | 10.29  | 0.068          | 1.73 | 9.25            |
| SS304N-02xx | SS316N-02xx | 1/4"              | 7/8"         | 6111                     | 0.540        | 13.72  | 0.088          | 2.24 | 16.08           |
| SS304N-03xx | SS316N-03xx | 3/8"              | 1"           | 5033                     | 0.675        | 17.15  | 0.091          | 2.31 | 21.42           |
| SS304N-05xx | SS316N-05xx | 1/2"              | 1-1/8"       | 4866                     | 0.840        | 21.34  | 0.109          | 2.77 | 32.17           |
| SS304N-07xx | SS316N-07xx | 3/4"              | 1-3/8"       | 4035                     | 1.050        | 26.67  | 0.113          | 2.87 | 42.75           |
| SS304N-10xx | SS316N-10xx | 1"                | 1-1/2"       | 3793                     | 1.315        | 33.40  | 0.133          | 3.38 | 63.50           |
| SS304N-12xx | SS316N-12xx | 1-1/4"            | 1-5/8"       | 3163                     | 1.660        | 42.16  | 0.140          | 3.56 | 85.92           |
| SS304N-15xx | SS316N-15xx | 1-1/2"            | 1-3/4"       | 2862                     | 1.900        | 48.26  | 0.145          | 3.68 | 102.75          |
| SS304N-20xx | SS316N-20xx | 2"                | 2"           | 2432                     | 2.375        | 60.33  | 0.154          | 3.91 | 138.08          |
| SS304N-25xx | SS316N-25xx | 2-1/2"            | 2-1/2"       | 2647                     | 2.875        | 73.03  | 0.203          | 5.16 | 219.00          |
| SS304N-30xx | SS316N-30xx | 3"                | 2-5/8"       | 2314                     | 3.500        | 88.90  | 0.216          | 5.49 | 286.33          |
| SS304N-40xx | SS316N-40xx | 4"                | 2-7/8"       | 1975                     | 4.500        | 114.30 | 0.226          | 5.74 | 407.83          |

| FOR HIGHER TEMPERATURES MULTIPLY PRESSURE BY: |               |               |                |
|---|---------------|---------------|----------------|
|   | 300°F (149°C) | 500°F (260°C) | 1000°F (538°C) |
| 304 S.S.                                      | 0.828         | 0.774         | 0.665          |
| 316 S.S.                                      | 0.900         | 0.853         | 0.746          |

\* Bursting Internal Pressure are theoretical ratings based on ambient working temperature

**BOSHART**  
INDUSTRIES

25 Whaley Avenue, PO Box 310, Milverton, ON CANADA N0K 1M0  
Tel: 800-561-3164

[boshart.com](http://boshart.com) ♦ [blog.boshart.com](http://blog.boshart.com)

# SS304N & SS316N SERIES 304 & 316 STAINLESS STEEL NIPPLES - SCHEDULE 40

| Pipe Size     | 1/8"         | 1/4"         | 3/8"         | 1/2"         | 3/4"         | 1"           | 1-1/4"       |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Length</b> |              |              |              |              |              |              |              |
| <b>close</b>  | SS304N-01    | SS304N-02    | SS304N-03    | SS304N-05    | SS304N-07    | SS304N-10    | SS304N-12    |
| <b>1-1/2"</b> | SS304N-0115  | SS304N-0215  | SS304N-0315  | SS304N-0515  | SS304N-0715  | —            | —            |
| <b>2"</b>     | SS304N-0120  | SS304N-0220  | SS304N-0320  | SS304N-0520  | SS304N-0720  | SS304N-1020  | SS304N-1220  |
| <b>2-1/2"</b> | SS304N-0125  | SS304N-0225  | SS304N-0325  | SS304N-0525  | SS304N-0725  | SS304N-1025  | SS304N-1225  |
| <b>3"</b>     | SS304N-0130  | SS304N-0230  | SS304N-0330  | SS304N-0530  | SS304N-0730  | SS304N-1030  | SS304N-1230  |
| <b>3-1/2"</b> | SS304N-0135  | SS304N-0235  | SS304N-0335  | SS304N-0535  | SS304N-0735  | SS304N-1035  | SS304N-1235  |
| <b>4"</b>     | SS304N-0140  | SS304N-0240  | SS304N-0340  | SS304N-0540  | SS304N-0740  | SS304N-1040  | SS304N-1240  |
| <b>4-1/2"</b> | SS304N-0145  | SS304N-0245  | SS304N-0345  | SS304N-0545  | SS304N-0745  | SS304N-1045  | SS304N-1245  |
| <b>5"</b>     | SS304N-0150  | SS304N-0250  | SS304N-0350  | SS304N-0550  | SS304N-0750  | SS304N-1050  | SS304N-1250  |
| <b>5-1/2"</b> | SS304N-0155  | SS304N-0255  | SS304N-0355  | SS304N-0555  | SS304N-0755  | SS304N-1055  | SS304N-1255  |
| <b>6"</b>     | SS304N-0160  | SS304N-0260  | SS304N-0360  | SS304N-0560  | SS304N-0760  | SS304N-1060  | SS304N-1260  |
| <b>7"</b>     | SS304N-0170  | SS304N-0270  | SS304N-0370  | SS304N-0570  | SS304N-0770  | SS304N-1070  | SS304N-1270  |
| <b>8"</b>     | SS304N-0180  | SS304N-0280  | SS304N-0380  | SS304N-0580  | SS304N-0780  | SS304N-1080  | SS304N-1280  |
| <b>9"</b>     | SS304N-0190  | SS304N-0290  | SS304N-0390  | SS304N-0590  | SS304N-0790  | SS304N-1090  | SS304N-1290  |
| <b>10"</b>    | SS304N-01100 | SS304N-02100 | SS304N-03100 | SS304N-05100 | SS304N-07100 | SS304N-10100 | SS304N-12100 |
| <b>11"</b>    | SS304N-01110 | SS304N-02110 | SS304N-03110 | SS304N-05110 | SS304N-07110 | SS304N-10110 | SS304N-12110 |
| <b>12"</b>    | SS304N-01120 | SS304N-02120 | SS304N-03120 | SS304N-05120 | SS304N-07120 | SS304N-10120 | SS304N-12120 |

|               |              |              |              |              |              |              |              |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>close</b>  | SS316N-01    | SS316N-02    | SS316N-03    | SS316N-05    | SS316N-07    | SS316N-10    | SS316N-12    |
| <b>1-1/2"</b> | SS316N-0115  | SS316N-0215  | SS316N-0315  | SS316N-0515  | SS316N-0715  | —            | —            |
| <b>2"</b>     | SS316N-0120  | SS316N-0220  | SS316N-0320  | SS316N-0520  | SS316N-0720  | SS316N-1020  | SS316N-1220  |
| <b>2-1/2"</b> | SS316N-0125  | SS316N-0225  | SS316N-0325  | SS316N-0525  | SS316N-0725  | SS316N-1025  | SS316N-1225  |
| <b>3"</b>     | SS316N-0130  | SS316N-0230  | SS316N-0330  | SS316N-0530  | SS316N-0730  | SS316N-1030  | SS316N-1230  |
| <b>3-1/2"</b> | SS316N-0135  | SS316N-0235  | SS316N-0335  | SS316N-0535  | SS316N-0735  | SS316N-1035  | SS316N-1235  |
| <b>4"</b>     | SS316N-0140  | SS316N-0240  | SS316N-0340  | SS316N-0540  | SS316N-0740  | SS316N-1040  | SS316N-1240  |
| <b>4-1/2"</b> | SS316N-0145  | SS316N-0245  | SS316N-0345  | SS316N-0545  | SS316N-0745  | SS316N-1045  | SS316N-1245  |
| <b>5"</b>     | SS316N-0150  | SS316N-0250  | SS316N-0350  | SS316N-0550  | SS316N-0750  | SS316N-1050  | SS316N-1250  |
| <b>5-1/2"</b> | SS316N-0155  | SS316N-0255  | SS316N-0355  | SS316N-0555  | SS316N-0755  | SS316N-1055  | SS316N-1255  |
| <b>6"</b>     | SS316N-0160  | SS316N-0260  | SS316N-0360  | SS316N-0560  | SS316N-0760  | SS316N-1060  | SS316N-1260  |
| <b>7"</b>     | SS316N-0170  | SS316N-0270  | SS316N-0370  | SS316N-0570  | SS316N-0770  | SS316N-1070  | SS316N-1270  |
| <b>8"</b>     | SS316N-0180  | SS316N-0280  | SS316N-0380  | SS316N-0580  | SS316N-0780  | SS316N-1080  | SS316N-1280  |
| <b>9"</b>     | SS316N-0190  | SS316N-0290  | SS316N-0390  | SS316N-0590  | SS316N-0790  | SS316N-1090  | SS316N-1290  |
| <b>10"</b>    | SS316N-01100 | SS316N-02100 | SS316N-03100 | SS316N-05100 | SS316N-07100 | SS316N-10100 | SS316N-12100 |
| <b>11"</b>    | SS316N-01110 | SS316N-02110 | SS316N-03110 | SS316N-05110 | SS316N-07110 | SS316N-10110 | SS316N-12110 |
| <b>12"</b>    | SS316N-01120 | SS316N-02120 | SS316N-03120 | SS316N-05120 | SS316N-07120 | SS316N-10120 | SS316N-12120 |

Pipe sizes 1-1/2" to 4" on next page



25 Whaley Avenue, PO Box 310, Milverton, ON CANADA N0K 1M0  
Tel: 800-561-3164

[boshart.com](http://boshart.com) ♦ [blog.boshart.com](http://blog.boshart.com)

# SS304N & SS316N SERIES 304 & 316 STAINLESS STEEL NIPPLES - SCHEDULE 40

| Pipe Size     | 1-1/2"       | 2"           | 2-1/2"       | 3"           | 4"           |
|---------------|--------------|--------------|--------------|--------------|--------------|
| <b>Length</b> |              |              |              |              |              |
| <b>close</b>  | SS304N-15    | SS304N-20    | SS304N-25    | SS304N-30    | SS304N-40    |
| <b>2"</b>     | SS304N-1520  | —            | —            | —            | —            |
| <b>2-1/2"</b> | SS304N-1525  | SS304N-2025  | —            | —            | —            |
| <b>3"</b>     | SS304N-1530  | SS304N-2030  | SS304N-2530  | SS304N-3030  | —            |
| <b>3-1/2"</b> | SS304N-1535  | SS304N-2035  | SS304N-2535  | SS304N-3035  | SS304N-4035  |
| <b>4"</b>     | SS304N-1540  | SS304N-2040  | SS304N-2540  | SS304N-3040  | SS304N-4040  |
| <b>4-1/2"</b> | SS304N-1545  | SS304N-2045  | SS304N-2545  | SS304N-3045  | SS304N-4045  |
| <b>5"</b>     | SS304N-1550  | SS304N-2050  | SS304N-2550  | SS304N-3050  | SS304N-4050  |
| <b>5-1/2"</b> | SS304N-1555  | SS304N-2055  | SS304N-2555  | SS304N-3055  | SS304N-4055  |
| <b>6"</b>     | SS304N-1560  | SS304N-2060  | SS304N-2560  | SS304N-3060  | SS304N-4060  |
| <b>7"</b>     | SS304N-1570  | SS304N-2070  | SS304N-2570  | SS304N-3070  | SS304N-4070  |
| <b>8"</b>     | SS304N-1580  | SS304N-2080  | SS304N-2580  | SS304N-3080  | SS304N-4080  |
| <b>9"</b>     | SS304N-1590  | SS304N-2090  | SS304N-2590  | SS304N-3090  | SS304N-4090  |
| <b>10"</b>    | SS304N-15100 | SS304N-20100 | SS304N-25100 | SS304N-30100 | SS304N-40100 |
| <b>11"</b>    | SS304N-15110 | SS304N-20110 | SS304N-25110 | SS304N-30110 | SS304N-40110 |
| <b>12"</b>    | SS304N-15120 | SS304N-20120 | SS304N-25120 | SS304N-30120 | SS304N-40120 |

|               |              |              |              |              |              |
|---------------|--------------|--------------|--------------|--------------|--------------|
| <b>close</b>  | SS316N-15    | SS316N-20    | SS316N-25    | SS316N-30    | SS316N-40    |
| <b>2"</b>     | SS316N-1520  | —            | —            | —            | —            |
| <b>2-1/2"</b> | SS316N-1525  | SS316N-2025  | —            | —            | —            |
| <b>3"</b>     | SS316N-1530  | SS316N-2030  | SS316N-2530  | SS316N-3030  | —            |
| <b>3-1/2"</b> | SS316N-1535  | SS316N-2035  | SS316N-2535  | SS316N-3035  | SS316N-4035  |
| <b>4"</b>     | SS316N-1540  | SS316N-2040  | SS316N-2540  | SS316N-3040  | SS316N-4040  |
| <b>4-1/2"</b> | SS316N-1545  | SS316N-2045  | SS316N-2545  | SS316N-3045  | SS316N-4045  |
| <b>5"</b>     | SS316N-1550  | SS316N-2050  | SS316N-2550  | SS316N-3050  | SS316N-4050  |
| <b>5-1/2"</b> | SS316N-1555  | SS316N-2055  | SS316N-2555  | SS316N-3055  | SS316N-4055  |
| <b>6"</b>     | SS316N-1560  | SS316N-2060  | SS316N-2560  | SS316N-3060  | SS316N-4060  |
| <b>7"</b>     | SS316N-1570  | SS316N-2070  | SS316N-2570  | SS316N-3070  | SS316N-4070  |
| <b>8"</b>     | SS316N-1580  | SS316N-2080  | SS316N-2580  | SS316N-3080  | SS316N-4080  |
| <b>9"</b>     | SS316N-1590  | SS316N-2090  | SS316N-2590  | SS316N-3090  | SS316N-4090  |
| <b>10"</b>    | SS316N-15100 | SS316N-20100 | SS316N-25100 | SS316N-30100 | SS316N-40100 |
| <b>11"</b>    | SS316N-15110 | SS316N-20110 | SS316N-25110 | SS316N-30110 | SS316N-40110 |
| <b>12"</b>    | SS316N-15120 | SS316N-20120 | SS316N-25120 | SS316N-30120 | SS316N-40120 |

Pipe sizes 1/8" to 1-1/4" on previous page.