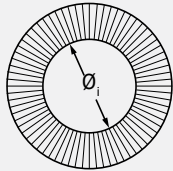


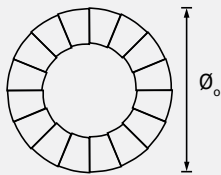
# STAINLESS STEEL ORIGINAL WASHERS

## DIMENSIONS

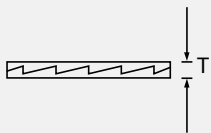
Surface hardened EN 1.4404  
(AISI 316L)



NL3ss–NL8spss  
 $\text{Ø}_i \pm 0.1 \text{ mm}$   
NL3/8"ss–NL42ss  
 $\text{Ø}_i \pm 0.2 \text{ mm}$   
NL45ss–NL80ss  
 $\text{Ø}_i +0.5 / -0.0 \text{ mm}$



NL3ss–NL1"spss  
 $\text{Ø}_o \pm 0.2 \text{ mm}$   
NL27ss–NL42ss  
 $\text{Ø}_o \pm 0.3 \text{ mm}$   
NL45ss–NL80ss  
 $\text{Ø}_o +0.0 / -2.0 \text{ mm}$



NL3ss–NL1"spss  
 $T \pm 0.25 \text{ mm}$   
NL27ss–NL42ss  
 $T +0.0 / -0.5 \text{ mm}$   
NL45ss–NL80ss  
 $T \pm 0.75 \text{ mm}$

EN 1.4404 is an austenitic chromium-nickel stainless steel containing molybdenum. EN 1.4404 is one of the most commonly used stainless steel grades. This stainless steel also has extra-low carbon content in order to reduce the risk of chromium-carbide precipitation.

Nord-Lock washers made of EN 1.4404 are suitable for most applications where no chlorides or acids are present.

Nord-Lock washers made of stainless steel are standard stock items, yet subject to prior sale.

### - Torque guidelines:

Web app: [torquelator.nord-lock.com](http://torquelator.nord-lock.com)  
[www.nord-lock.com/torque](http://www.nord-lock.com/torque)

### - 2D/3D CAD models:

[www.nord-lock.com/cad](http://www.nord-lock.com/cad)

| Bolt size |        | Product designation | $\text{Ø}_i$ [mm] | $\text{Ø}_o$ [mm] | Thickness T [mm] | Approx. weight kg/100 pairs | Min. Package [pairs] |
|-----------|--------|---------------------|-------------------|-------------------|------------------|-----------------------------|----------------------|
| Metric    | UNC    |                     |                   |                   |                  |                             |                      |
| M3        | #5     | NL3ss               | 3.4               | 7.0               | 2.2              | 0.04                        | 200                  |
| M3.5      | #6     | NL3.5ss             | 3.9               | 7.6               | 2.2              | 0.04                        | 200                  |
| M3.5      | #6     | NL3.5spss           | 3.9               | 9.0               | 2.2              | 0.07                        | 200                  |
| M4        | #8     | NL4ss               | 4.4               | 7.6               | 2.2              | 0.04                        | 200                  |
| M4        | #8     | NL4spss             | 4.4               | 9.0               | 2.2              | 0.07                        | 200                  |
| M5        | #10    | NL5ss               | 5.4               | 9.0               | 2.2              | 0.06                        | 200                  |
| M5        | #10    | NL5spss             | 5.4               | 10.8              | 2.2              | 0.11                        | 200                  |
| M6        |        | NL6ss               | 6.5               | 10.8              | 2.2              | 0.09                        | 200                  |
| M6        |        | NL6spss             | 6.5               | 13.5              | 2.0              | 0.16                        | 200                  |
|           | 1/4"   | NL1/4"ss            | 7.2               | 11.5              | 2.2              | 0.09                        | 200                  |
|           | 1/4"   | NL1/4"spss          | 7.2               | 13.5              | 2.2              | 0.15                        | 200                  |
| M8        | 5/16"  | NL8ss               | 8.7               | 13.5              | 2.0              | 0.12                        | 200                  |
| M8        | 5/16"  | NL8spss             | 8.7               | 16.6              | 2.0              | 0.23                        | 200                  |
|           | 3/8"   | NL3/8"ss            | 10.3              | 16.6              | 2.0              | 0.19                        | 200                  |
|           | 3/8"   | NL3/8"spss          | 10.3              | 21.0              | 2.0              | 0.38                        | 200                  |
| M10       |        | NL10ss              | 10.7              | 16.6              | 2.0              | 0.18                        | 200                  |
| M10       |        | NL10spss            | 10.7              | 21.0              | 2.0              | 0.37                        | 200                  |
| M11       | 7/16"  | NL11ss              | 11.4              | 18.5              | 2.2              | 0.26                        | 200                  |
| M12       |        | NL12ss              | 13.0              | 19.5              | 2.0              | 0.23                        | 200                  |
| M12       |        | NL12spss            | 13.0              | 25.4              | 3.0              | 0.82                        | 100                  |
|           | 1/2"   | NL1/2"ss            | 13.5              | 19.5              | 2.0              | 0.22                        | 200                  |
|           | 1/2"   | NL1/2"spss          | 13.5              | 25.4              | 3.2              | 0.80                        | 100                  |
| M14       | 9/16"  | NL14ss              | 15.2              | 23.0              | 3.0              | 0.49                        | 100                  |
| M14       | 9/16"  | NL14spss            | 15.2              | 30.7              | 3.2              | 1.31                        | 100                  |
| M16       | 5/8"   | NL16ss              | 17.0              | 25.4              | 3.0              | 0.59                        | 100                  |
| M16       | 5/8"   | NL16spss            | 17.0              | 30.7              | 3.2              | 1.13                        | 100                  |
| M18       |        | NL18ss              | 19.5              | 29.0              | 3.2              | 0.80                        | 100                  |
| M18       |        | NL18spss            | 19.5              | 34.5              | 3.2              | 1.56                        | 100                  |
|           | 3/4"   | NL3/4"ss            | 20.0              | 30.7              | 3.2              | 0.96                        | 100                  |
|           | 3/4"   | NL3/4"spss          | 20.0              | 39.0              | 3.2              | 2.10                        | 100                  |
| M20       |        | NL20ss              | 21.4              | 30.7              | 3.0              | 0.82                        | 100                  |
| M20       |        | NL20spss            | 21.4              | 39.0              | 3.2              | 2.06                        | 100                  |
| M22       | 7/8"   | NL22ss              | 23.4              | 34.5              | 3.2              | 1.23                        | 100                  |
| M22       | 7/8"   | NL22spss            | 23.4              | 42.0              | 3.2              | 2.22                        | 50                   |
| M24       |        | NL24ss              | 25.3              | 39.0              | 3.2              | 1.59                        | 100                  |
| M24       |        | NL24spss            | 25.3              | 48.5              | 4.5              | 4.47                        | 50                   |
|           | 1"     | NL1"ss              | 27.9              | 39.0              | 3.2              | 1.42                        | 100                  |
|           | 1"     | NL1"spss            | 27.9              | 48.5              | 3.2              | 2.79                        | 50                   |
| M27       |        | NL27ss              | 28.4              | 42.0              | 6.8              | 3.45                        | 50                   |
| M27       |        | NL27spss            | 28.4              | 48.5              | 6.8              | 5.34                        | 25                   |
| M30       | 1 1/8" | NL30ss              | 31.4              | 47.0              | 6.8              | 4.49                        | 50                   |
| M30       | 1 1/8" | NL30spss            | 31.4              | 58.5              | 6.8              | 9.18                        | 25                   |
| M33       | 1 1/4" | NL33ss              | 34.4              | 48.5              | 6.8              | 4.28                        | 25                   |
| M36       | 1 3/8" | NL36ss              | 37.4              | 55.0              | 6.8              | 5.96                        | 25                   |
| M39       | 1 1/2" | NL39ss              | 40.4              | 58.5              | 6.8              | 6.74                        | 25                   |
| M42       |        | NL42ss              | 43.2              | 63.0              | 6.8              | 7.50                        | 25                   |
| M45       | 1 3/4" | NL45ss              | 46.2              | 70.0              | 6.8              | 10.20                       | 25                   |
| M48       |        | NL48ss              | 49.6              | 75.0              | 6.8              | 12.00                       | 25                   |
| M52       | 2"     | NL52ss              | 53.6              | 80.0              | 9.0              | 18.04                       | 1                    |
| M56       | 2 1/4" | NL56ss              | 59.1              | 85.0              | 9.0              | 21.30                       | 1                    |
| M60       |        | NL60ss              | 63.1              | 90.0              | 9.0              | 23.50                       | 1                    |
| M64       | 2 1/2" | NL64ss              | 67.1              | 95.0              | 9.0              | 25.80                       | 1                    |
| M68       |        | NL68ss              | 71.1              | 100.0             | 9.0              | 28.20                       | 1                    |
| M72       |        | NL72ss              | 75.1              | 105.0             | 9.0              | 30.70                       | 1                    |
| M76       | 3"     | NL76ss              | 79.1              | 110.0             | 9.0              | 33.30                       | 1                    |
| M80       | 3 1/8" | NL80ss              | 83.1              | 115.0             | 9.0              | 36.00                       | 1                    |