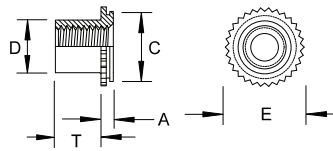


## NHL - Nuts

Self-Clinching, Miniature, Locking  
Inch

Sample Part Number

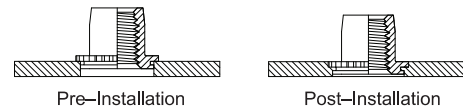
NHLSS - 632 - .040 - BDF  
Series/ Thread Shank Finish  
Material Code



| Thread   | Thread Code | A Shank MAX | Sheet Thickness | Hole Size in Sheet +.003/-0.000 | C +.000/-0.005 | D MAX | E ±.005 | T +.015/-0.000 | Dist. Hole C/L to Edge MIN | Hole in Attached Parts MAX |
|----------|-------------|-------------|-----------------|---------------------------------|----------------|-------|---------|----------------|----------------------------|----------------------------|
| 0 - 80   | 080         | .020        | .019-.022       | .110                            | .1095          | .076  | .125    | .050           | .09                        | .080                       |
| 1 - 64   | 167         | .020        | .019-.022       | .110                            | .1095          | .090  | .125    | .050           | .09                        | .093                       |
| 2 - 56   | 265         | .020        | .019-.022       | .144                            | .1435          | .106  | .160    | .065           | .11                        | .106                       |
|          |             | .031        | .030-.036       |                                 |                |       |         |                |                            |                            |
| 4 - 40   | 440         | .040        | .039-.045       | .172                            | .171           | .145  | .192    | .065           | .14                        | .132                       |
|          |             | .060        | .059-.070       |                                 |                |       |         |                |                            |                            |
| 6 - 32   | 632         | .040        | .039-.045       | .213                            | .212           | .180  | .244    | .075           | .17                        | .158                       |
|          |             | .060        | .059-.070       |                                 |                |       |         |                |                            |                            |
| 8 - 32   | 832         | .040        | .039-.045       | .290                            | .289           | .215  | .322    | .090           | .20                        | .184                       |
|          |             | .060        | .059-.070       |                                 |                |       |         |                |                            |                            |
| 10 - 32  | 1032        | .040        | .039-.045       | .290                            | .289           | .245  | .322    | .110           | .20                        | .210                       |
|          |             | .060        | .059-.070       |                                 |                |       |         |                |                            |                            |
| 1/4 - 20 | 2520        | .060        | .059-.070       | .344                            | .343           | .318  | .384    | .120           | .28                        | .270                       |
| 1/4 - 28 | 2528        |             |                 |                                 |                |       |         |                |                            |                            |

Custom sizes available.

| Material | Description                | Finish | Description              |
|----------|----------------------------|--------|--------------------------|
| SS       | 300 Series Stainless Steel | BDF    | Black dry-film Lubricant |



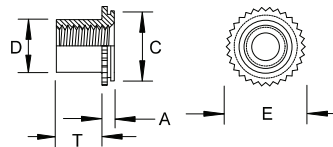
Rev'd. 06/1/11 All Dimensions are in Inches

## NHL - Nuts

Self-Clinching, Miniature, Locking  
Metric

Sample Part Number

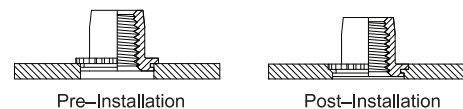
NHLSS - M3 - 1.53 - BDF  
Series/ Thread Shank Finish  
Material Code



| Thread   | Thread Code | A Shank MAX | Sheet Thickness | Hole Size in Sheet +0.08/-0.00 | C +0.00/-0.13 | D MAX | E ±0.13 | T +0.4/-0.0 | Dist. Hole C/L to Edge MIN | Hole in Attached Parts MAX |
|----------|-------------|-------------|-----------------|--------------------------------|---------------|-------|---------|-------------|----------------------------|----------------------------|
| M2 x 0.4 | M2          | 0.76        | 0.76-0.91       | 3.61                           | 3.6           | 2.5   | 4.07    | 1.65        | 2.8                        | 2.5                        |
| M3 x 0.5 | M3          | 1.02        | 0.99-1.14       | 4.39                           | 4.37          | 3.96  | 4.88    | 1.9         | 3.6                        | 3.5                        |
|          |             | 1.53        | 1.5-1.78        |                                |               |       |         |             |                            |                            |
| M4 x 0.7 | M4          | 1.02        | 0.99-1.14       | 7.39                           | 7.37          | 5.23  | 8.17    | 2.55        | 5.2                        | 4.5                        |
|          |             | 1.53        | 1.5-1.78        |                                |               |       |         |             |                            |                            |
| M5 x 0.8 | M5          | 1.02        | 0.99-1.14       | 7.39                           | 7.37          | 6.48  | 8.17    | 3.05        | 5.2                        | 5.5                        |
|          |             | 1.53        | 1.5-1.78        |                                |               |       |         |             |                            |                            |
| M6 x 1   | M6          | 1.53        | 1.5-1.78        | 8.74                           | 8.72          | 7.72  | 9.74    | 3.3         | 7.1                        | 6.5                        |

Custom sizes available.

| Material | Description                | Finish | Description              |
|----------|----------------------------|--------|--------------------------|
| SS       | 300 Series Stainless Steel | BDF    | Black dry-film Lubricant |



All Dimensions are in Metric