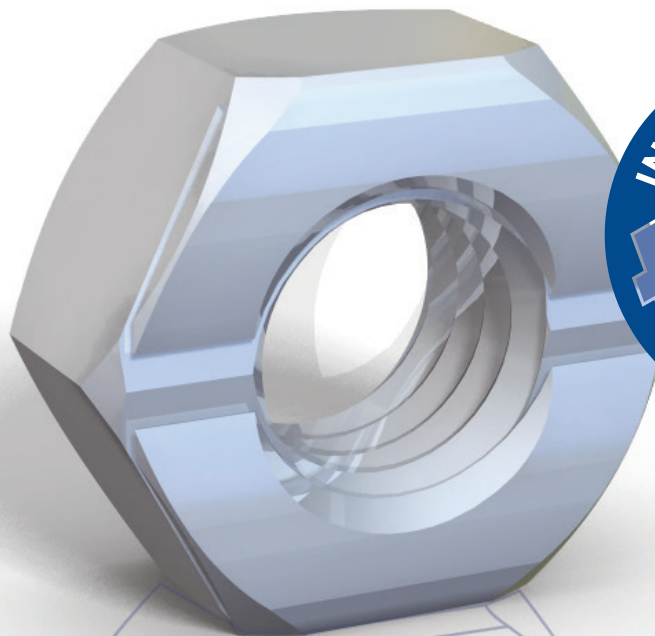


# THE ORIGINAL **BINX®**

*All Metal Self Locking Nut*

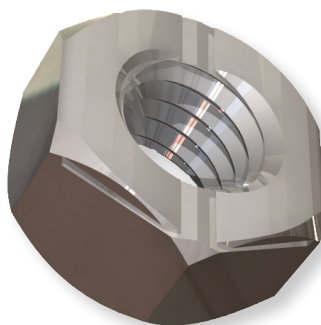
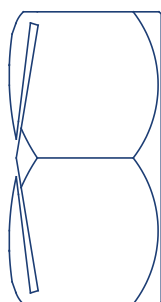
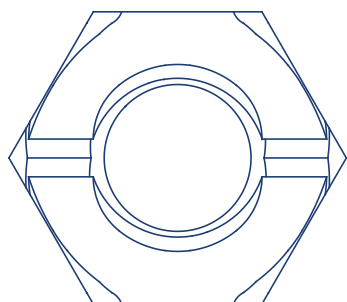


TR Fastenings is the sole manufacturer of Binx® Nuts globally

High re-usability - torque resistance maintained after repeated removal • Low profile as a standard feature • Wide material availability • Massive range ex-stock • Fast & friendly service  
ISO9001 accredited • Performance data available



Zinc CR3 Plated Steel | A2 & A4 Stainless Steel | Brass



### Dimensions

| Thread Size | M3 x 0.50 | M4 x 0.70 | M5 x 0.80 | M6 x 1.00 | M8 x 1.25 | M10 x 1.50 | M12 x 1.75 | M14 x 2.00 | M16 x 2.00 | M18 x 2.50 | M20 x 2.50 | M22 x 2.50 | M24 x 3.00 | M30 x 3.50 |
|-------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| A/F         | 5.5       | 7         | 8         | 10        | 13        | 17         | 19         | 22         | 24         | 27         | 30         | 32         | 36         | 46         |
| Height      | 3.2       | 3.2       | 4.05      | 6         | 6.35      | 7.85       | 9.9        | 10.9       | 12.95      | 15         | 16         | 17.8       | 18.8       | 23.9       |

### Performance Data: Coarse Threads Grade 5

| Thread                 |                     | M3 x 0.50 | M4 x 0.70 | M5 x 0.80 | M6 x 1.00 | M8 x 1.25 | M10 x 1.50 | M12 x 1.75 | M14 x 2.00 | M16 x 2.00 | M18 x 2.50 | M20 x 2.50 | M22 x 2.50 | M24 x 3.00 | M30 x 3.50 |
|------------------------|---------------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Proof Load (N)         |                     | 2,600     | 4,550     | 8,250     | 11,700    | 21,600    | 34,200     | 51,400     | 70,200     | 95,800     | 121,000    | 154,400    | 190,900    | 222,400    | 353,400    |
| Prevailing Torque (Nm) | First Assy (max)    | 0.43      | 0.9       | 1.6       | 3.0       | 6.0       | 10.5       | 15.5       | 24.0       | 32.0       | 42.0       | 54.0       | 68.0       | 80.0       | 108.0      |
|                        | First Removal (min) | 0.12      | 0.18      | 0.29      | 0.45      | 0.85      | 1.5        | 2.3        | 3.3        | 4.5        | 6          | 7.5        | 9.5        | 11.5       | 16         |
|                        | Fifth Removal (min) | 0.08      | 0.12      | 0.2       | 0.3       | 0.6       | 1          | 1.6        | 2.3        | 3          | 4.2        | 5.3        | 6.5        | 8          | 12         |
| Tightening Torque (Nm) | Min                 | 0.7       | 1.6       | 3.2       | 5.4       | 13.3      | 26.4       | 46         | 73         | 115        | 158        | 224        | 303        | 388        | 456        |
|                        | Max                 | 1.1       | 2.4       | 4.8       | 8.1       | 20        | 39.6       | 69         | 110        | 173        | 238        | 336        | 454        | 582        | 684        |

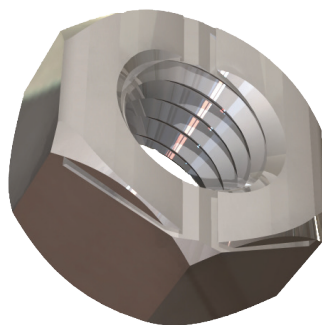
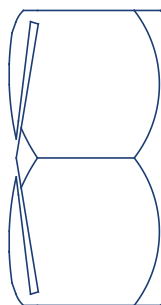
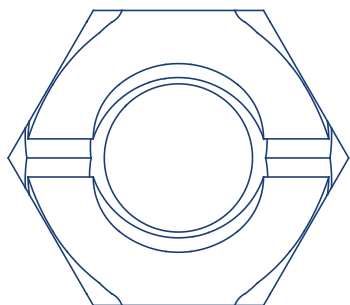
### Performance Data: Stainless Steel

| Thread                 |                     | M4 x 0.70 | M5 x 0.80 | M6 x 1.00 | M8 x 1.25 | M10 x 1.50 | M12 x 1.75 | M14 x 2.00 | M16 x 2.00 |
|------------------------|---------------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|
| Prevailing Torque (Nm) | First Assy          | 0.25      | 0.29      | TBA       | 1.24      | 2.36       | 4.69       | 5.27       | 9.95       |
|                        | First Removal (min) | 0.2       | 0.2       | TBA       | 1.23      | 1.91       | 3.73       | 4.18       | 7.05       |
|                        | Fifth Removal (min) | 0.16      | 0.2       | TBA       | 0.98      | 1.7        | 2.56       | 2.78       | 6.21       |
| Tightening Torque (Nm) |                     | 4.58      | 10.53     | 15.90     | 39.70     | 120.00     | 160.00     | 200.00     | 240.00     |

All data is correct to the best of our knowledge, however TR cannot be held responsible for any errors or omissions.  
For full technical data visit [www.trfastenings.com](http://www.trfastenings.com)

Contact us:  
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[sales@trfastenings.com](mailto:sales@trfastenings.com)

Zinc CR3 Plated Steel | A2 & A4 Stainless Steel



### Dimensions

| Thread Size | 5/16" | 3/8"  | 1/2" | 3/4"  |
|-------------|-------|-------|------|-------|
| A/F         | 0.5   | 0.563 | 0.75 | 1.125 |
| Height      | 0.27  | 0.33  | 0.44 | 0.66  |

### Performance Data: Grade 5

| Thread UNF                | 1/4 - 20            | 5/16 - 18 | 3/8 - 16 | 1/2 - 13 | 3/4 - 10 |
|---------------------------|---------------------|-----------|----------|----------|----------|
| Proof Load (Lbs)          | 3,800               | 6,300     | 9,300    | 17,000   | 40,100   |
| Prevailing Torque (Lb.in) | First Assy (max)    | 40        | 80       | 110      | 204      |
|                           | First Removal (min) | 5.0       | 8.0      | 12.0     | 22.0     |
|                           | Third Removal (min) | 1.5       | 2.5      | 4        | 7.5      |
| Tightening Torque (Lb.ft) | Min                 | 7.0       | 12.9     | 20.0     | 52.0     |
|                           | Max                 | 10.0      | 17.6     | 28.0     | 70.0     |

### Performance Data: Grade 5

| Thread UNF                | 1/4 - 28            | 5/16 - 12 | 7/16 - 20 | 1/2 - 20 | 5/8 - 18 |
|---------------------------|---------------------|-----------|-----------|----------|----------|
| Proof Load (Lbs)          | 4,350               | 6,950     | 14,200    | 19,200   | 30,700   |
| Prevailing Torque (Lb.in) | First Assy (max)    | 40        | 80        | 135      | 204      |
|                           | First Removal (min) | 5.0       | 8.0       | 17.0     | 22.0     |
|                           | Third Removal (min) | 1.5       | 2.5       | 5        | 7.5      |
| Tightening Torque (Lb.ft) | Min                 | 7.6       | 14.1      | 34.0     | 53.0     |
|                           | Max                 | 10.6      | 18.8      | 48.0     | 74.0     |

British Standard Whitworth (BSW) also available – please contact us for details.

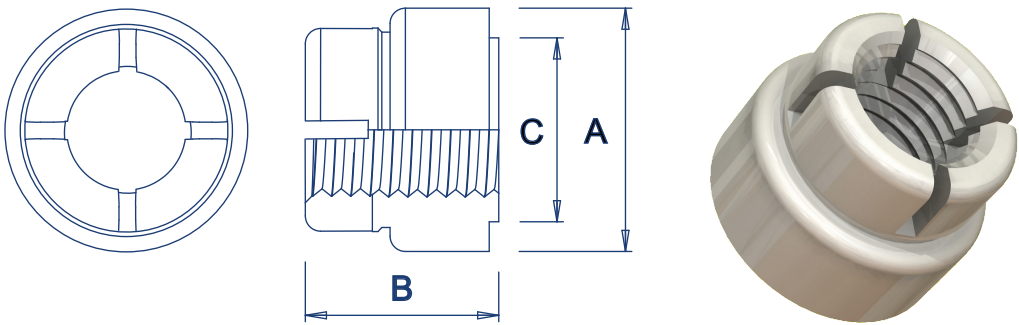
Contact us:  
[Info@trfastenings.com](mailto:Info@trfastenings.com)  
[sales@trfastenings.com](mailto:sales@trfastenings.com)

# Wun-loc® Weld Version

## All Metal Self-Locking Nut



### Weld Version - Steel/Self Finish | A2 & A4 Stainless Steel



### Weld Version - Metric Dimensions

| Length                | M4   | M5   | M6   | M8   | M10   | M12  |
|-----------------------|------|------|------|------|-------|------|
| Diameter Of Spigot C  | 6.4  | 7.9  | 9.5  | 12.7 | 15.25 | 19.2 |
| Diameter Of Body A    | 10.0 | 11.0 | 12.7 | 15.9 | 19.05 | 25.4 |
| Body Height B         | 6.0  | 6.8  | 9.6  | 11.6 | 12.7  | 16.3 |
| Recommended Hole Size | 6.5  | 8.0  | 9.6  | 12.8 | 15.35 | 19.3 |

Spigot length - 2.05mm on all sizes

Also available in imperial/unified, please enquire for availability

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For full technical data visit [www.trfastenings.com](http://www.trfastenings.com)

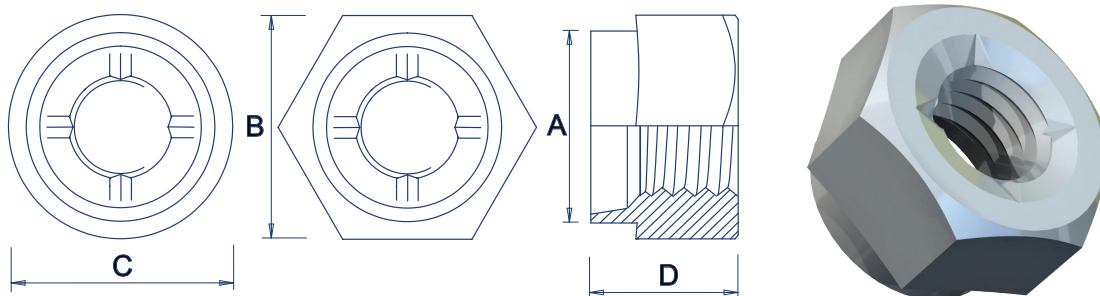
Contact us:  
[Info@trfastenings.com](mailto:Info@trfastenings.com)  
[sales@trfastenings.com](mailto:sales@trfastenings.com)

# Hank-loc®

## All Metal Self-Locking Nuts



Zinc CR3 Plated Steel | A2 & A4 Stainless Steel



### Dimensions

Please note: Hank-Locking is a process applied to our standard Rivet Bush ranges to give them a locking feature.

Please refer to our standard range of Hexagon, Round or Mini-Sert rivet bushes for dimensional data.

All data is correct to the best of our knowledge, however TR cannot be held responsible for any errors or omissions.  
For full technical data visit [www.trfastenings.com](http://www.trfastenings.com)

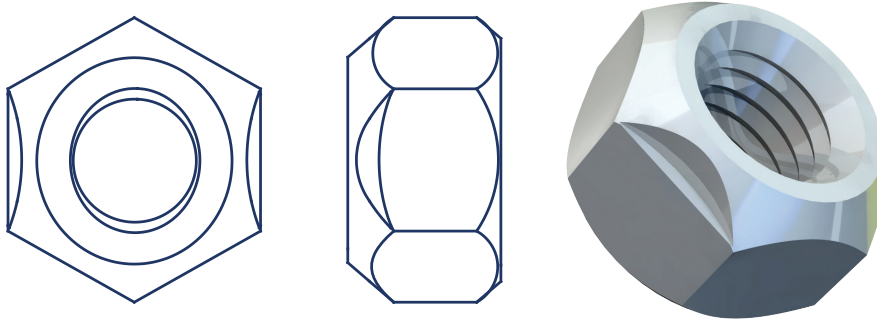
Contact us:  
[Info@trfastenings.com](mailto:Info@trfastenings.com)  
[sales@trfastenings.com](mailto:sales@trfastenings.com)

# Tri-5 & Tri-6

## All Metal Self-Locking Nuts



### Tri-5 - Grade 8 Zinc CR3 Plated Steel | Zinc & Yellow CR3 - ISO2320/DIN980V



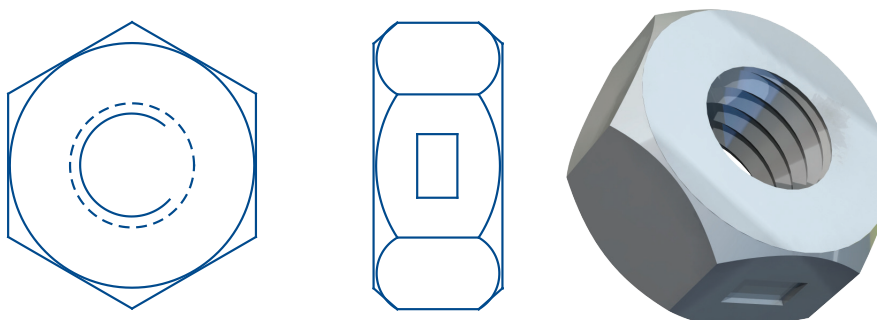
#### Tri-5 - Metric Dimensions

| Size mm       | M6 | M8   | M10 | M12  | M16 | M20 | M24 |
|---------------|----|------|-----|------|-----|-----|-----|
| Pitch         | 1  | 1.25 | 1.5 | 1.75 | 2   | 2.5 | 3   |
| Height Max mm | 6  | 8    | 10  | 12   | 16  | 20  | 24  |
| A/F Max mm    | 10 | 13   | 17  | 19   | 24  | 30  | 36  |

#### Tri-5 - Performance Data

| Size mm             | M5   | M6  | M8   | M10 | M12  | M16  | M20  | M24  |
|---------------------|------|-----|------|-----|------|------|------|------|
| Pitch               | 0.8  | 1   | 1.25 | 1.5 | 1.75 | 2    | 2.5  | 3    |
| 1st Install (Nm)    | 0.63 | 2.8 | 2.6  | 6.8 | 7.3  | 14.6 | 23.1 | 25.0 |
| 1st withdrawal (Nm) | 0.48 | 1.7 | 1.5  | 9.1 | 4.9  | 13.5 | 15.5 | 22.0 |
| 5th withdrawal (Nm) | 0.2  | 0.6 | 0.5  | 4.8 | 4.3  | 10.8 | 6.9  | 19.1 |

### Tri-6 - Grade 8 Zinc CR3 Plated Steel - DIN980V



#### Tri-6 - Metric Dimensions

| Size mm       | M5  | M6 | M8   | M10 | M12  | M16 |
|---------------|-----|----|------|-----|------|-----|
| Pitch         | 0.8 | 1  | 1.25 | 1.5 | 1.75 | 2   |
| Height Max mm | 4   | 5  | 6.5  | 8   | 10   | 13  |
| A/F Max mm    | 8   | 10 | 13   | 17  | 19   | 24  |

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For full technical data visit [www.trfastenings.com](http://www.trfastenings.com)

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[sales@trfastenings.com](mailto:sales@trfastenings.com)