



# SEG NUT<sup>TM</sup>

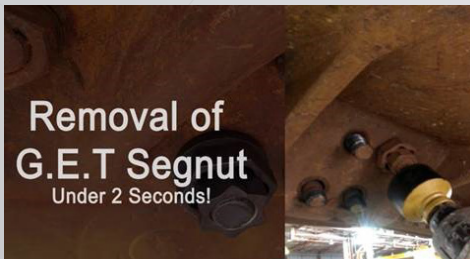
## The Faster Fastener

### Product Guide

Fast release fastening solutions for threaded connections where time savings and safety are critical.



#### Fast Release



#### Latest Design



Australian Government  
Department of Industry,  
Innovation and Science

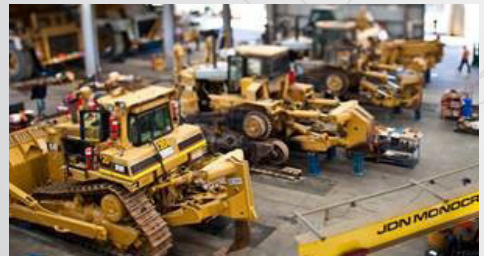
**Business**  
Entrepreneurs' Programme

Supported by the Australian Government through the Entrepreneurs' Programme

#### Field tested and approved



#### No special licenses or training



FAST RELEASE • SAFETY BENEFITS • TIME AND COST SAVINGS

# The SEGnut Advantage



## Vibration and Impact Resistant

Specially designed Stable Sleeve Interface system to resist accidental loosening and release from impacts and vibrations.



## Direct Replacement

Segnuts fit on standard bolts and studs, and are tightened to the same torque and tension with standard hex sockets, making them a direct replacement for wearplates, cutting edges, flange bolts and many other common applications.



# The SEG Nut Advantage



## Time Savings



Segnuts result in dramatic time savings for maintenance tasks, including wear-plate replacement. Time to remove nuts can be reduced from 80-95% on a per-nut basis.



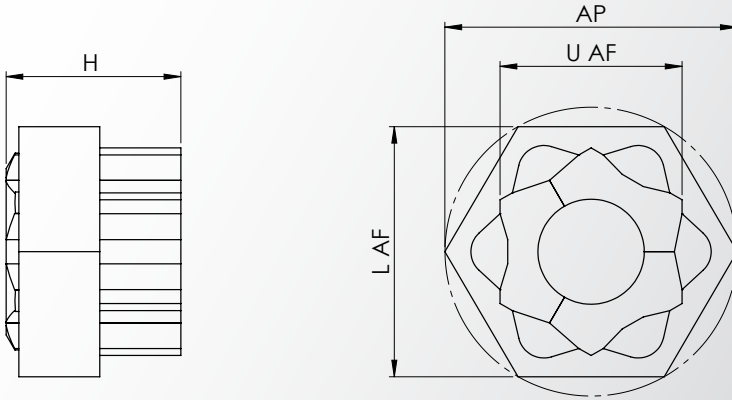
## Safety



Segnuts eliminate the need for high risk nut removal equipment and techniques, such as hydraulic nut splitters, hot bolting or oxy cutting - also meaning no hot works permits required.

Segnuts also dramatically reduce the torque required to remove nuts - so less time with rattle guns or rad guns.

# Metric



Size	U AF	L AF	AP	H
M12	21	27	31.2	20.25
M16	27	34	39.3	27
M20	30	40	46.2	34.5
M24	36	50	57.7	39.5
M30	46	60	69.3	47.5
M36	55	75	86.6	57
M48	75	95	109.7	71.5

Available in property class 8, 10 and 12 according to ISO 898-2  
Also available in ASTM A194M specifications

Thread specification: AS 1275 / ISO 68

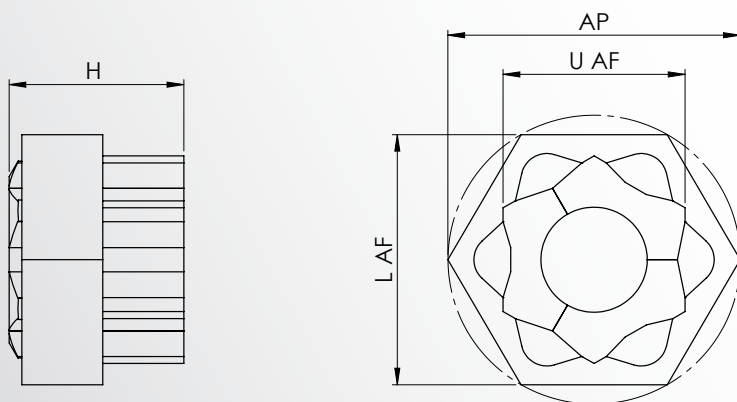
Tested to ISO 898-2 and EN14399 / AS1252 mechanical and material testing requirements.

Segnuts release at approx 65% of their nominal tightening torque.

Segnuts loosen at the same torque as standard nuts when clean.

Recommended for use with hardened flat or Belleville heavy duty safety washers.

# Imperial



Size	U AF	L AF	AP	H
3/4" UNC	30	40	46.2	34.5
7/8" UNC	36	50	57.7	39.5
1" UNC	41	55	63.5	43.25
1 1/4" UNC	50	65	75.1	52.75

Available in Grade 5 and 8 according to SAE J995

Also available in ASTM A194 specifications

Thread specification: AS2465 / ANSI B18.2.1

Tested to SAE J995 Grade 8 mechanical and material testing requirements.

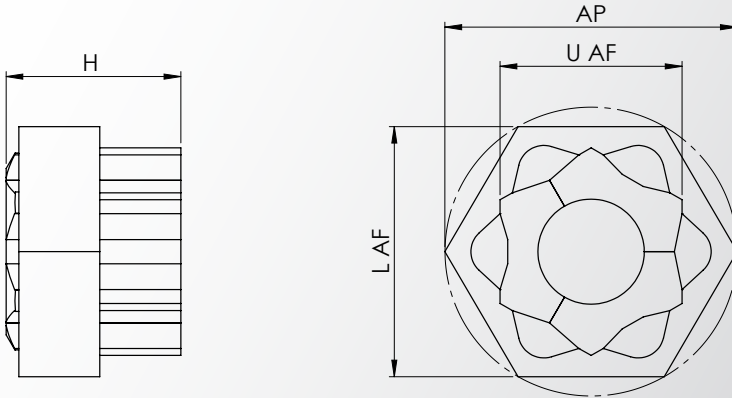
Segnuts release at approx 65% of their nominal tightening torque.

Segnuts loosen at the same torque as standard nuts when clean.

Recommended for use with hardened flat or Belleville heavy duty safety washers.

## S9

## Earthmoving Fasteners



Size	U AF	L AF	AP	H
1 1/4" UNC	44	64	73.9	44

Segnut S9 nuts MUST be installed with provided Segnut washers.

Proof Strength 180 KSI min.

Hardness: 40-44 HRC.

Material: Hardened carbon steel.

Thread specification: AS2465 / ANSI B18.2.1

Tested to SAE J429 Grade 8 mechanical tests, to 180ksi proof stress.

Segnuts release at approx 65% of their nominal tightening torque.

Segnuts loosen at the same torque as standard nuts when clean.



# Design and Testing

Segnuts are designed and tested to current fastener specifications. Testing is conducted both internally and externally, at NATA accredited facilities.

Fully traceable to requirements of AS 1252.1 section 6.  
Quality control testing in accordance with ISO 3269.

Segnuts are tested extensively.

These tests include:

- Proof Load
- Hardness
- Assembly Test
- Torque-Tension (K-value) testing
- Material composition

## Specifications

### **GENERAL:**

#### **Thread Specification:**

Imperial: AS2465 / ANSI B18.2.1

Metric: AS 1275 / ISO 68

#### **Material:**

Imperial: SAE J995 / ASTM A194

Metric: ISO 898 / ASTM A194M

**Sampling plan:** ISO 3269

#### **Proof Loads and Mechanical:**

Imperial: SAE J995 / ASTM A194

Metric: ISO 898 / ASTM A194M

**Hardness Test:** AS 1817.1

#### **Mechanical Tests:**

As specified in ISO 898 for metric, SAE J995 for imperial as well as AS1252 for all nuts.

Material and mechanical properties to other specifications available on request.

## Contact Us

**Segnut Trading Pty Ltd**

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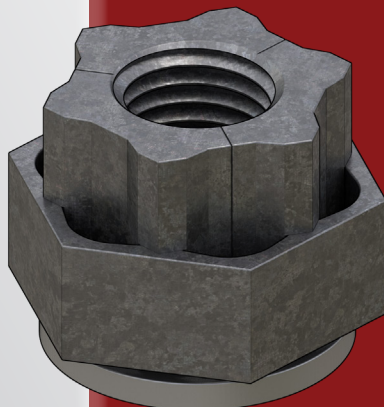
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**SEGNUT**™  
**The Faster Fastener**

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