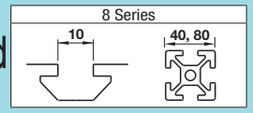
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

# Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions - Standard

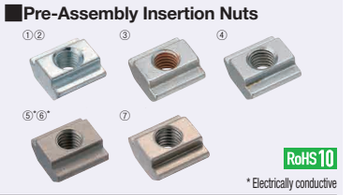
## For 8 Series (Slot Width 10mm)

8 Series




Tightening Torque P.526

### Pre-Assembly Insertion Nuts



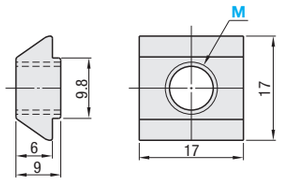

RoHS10

* Electrically conductive

| Type | M Material | S Surface Treatment |
|---|---|---|
| ①HNTT8 | S10C Equivalent | Trivalent Chromate |
| ②PACK-HNTT8 | | |
| ③HNTTV8 | Thread Locking Adhesive Type, S10C Equivalent | |
| ④HNTTZ8 | Thread Locking Resin Coating Type, S10C Equivalent | |
| ⑤HNTTSN8* | SUS316 Equivalent (Sintered) | - |
| ⑥PACK-HNTTSN8* | | |
| ⑦HNTTSS8 | SUS303 Equivalent | - |

HNTT8 (S10C Equivalent)
PACK-HNTT8 (S10C Equivalent, 100/pkg.)
HNTTV8 (Thread Locking Adhesive Type, S10C Equivalent)
HNTTZ8 (Thread Locking Resin Coating Type, S10C Equivalent)
HNTTSN8 (SUS316 Equivalent, Sintered)
PACK-HNTTSN8 (SUS316 Equivalent, Sintered, 100/pkg.)
HNTTSS8 (SUS303 Equivalent)

| Reference Tightening Torque (N·m) | |
|---|---|
| M | S10C Equivalent / SUS316 Equivalent (Sintered) / SUS303 Equivalent |
| 8 | 23.5 |




Example

- **Pre-Assembly Insertion Nuts**
  Nuts are pre-inserted in the aluminum extrusion.

HNTU
HNTUV
HNTUZ
SHNTU
HNTT
HNTTV
HNTTZ
HNTTSN
HNTTSS
HNTM



| Part Number | M | Unit Price 1 ~ 499 pc(s). | Volume Discount Rate 500~749 | 750~999 | 1000~1500 |
|---|---|---|---|---|---|
| HNTT8 (S10C Equivalent) | 4 5 6 8 | | | | |
| HNTTV8 (Thread Locking, S10C Equivalent) | 8 | | | | |
| HNTTZ8 (Thread Locking, S10C Equivalent) | | | | | |
| HNTTSN8 (SUS316 Equivalent, Sintered) | 4 5 6 8 | | | | |
| HNTTSS8 (SUS303 Equivalent) | 8 | | | | |

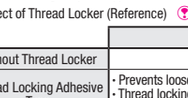
Ordering Example: Part Number HNTT8 - M 8

### Bulk Packages (100 pcs. per package)

| Part Number | M | Unit Price (1 ~ 10 packages) Package Price | Price per Pkg. |
|---|---|---|---|
| PACK-HNTT8 (S10C Equivalent) | 4 5 6 8 | | |
| PACK-HNTTSN8 (SUS316 Equivalent, Sintered) | 4 5 6 8 | | |

When ordering HNTT8 without specifying M, HNTT8-8 is selected automatically.

### Thread Locking Type



Thread locking compound applied inside of the tap.

Nuts with thread locker applied on the inside of tap. Reduce loosening caused by vibration during transportation and operation of equipment.
Thread Locking Adhesive: A microencapsulated anaerobic adhesive prevents thread loosening. Note that it requires a hardening time (72 hours at room temperature 25°C). The adhesive property is lost once loosened.
Resin Coating: Resin is coated along the threads. Although the thread locking effect may be less than adhesive type, it can be used repeatedly without hardening time required.

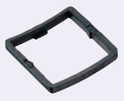
### Effect of Thread Locker (Reference)

Loosening torque values are for reference. Difference may occur depending on the clearances between screws and nuts.

| | Characteristics | Loosening Torque after Tightening (1st time) | Remarks |
|---|---|---|---|
| Without Thread Locker | - | 17.9N·m | - |
| Thread Locking Adhesive Type | · Prevents loosening effectively.<br>· Thread locking properties are lost once loosened.<br>· Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening. | 25.6N·m | Test Conditions: Measured value (HNTTV8-8) when a screw is loosened after drying for 72 hours at room temperature (25 °C), after tightened at 23.5N·m. |
| Thread Locking Resin Coating Type | · Can be used repeatedly. (Thread locking effect decreases after repeated use.)<br>· Thread locking effect is immediately seen right after tightening. | 21.8N·m | Thread locking effect decreases after repeated use.<br>Loosening Torque at 5 Repeats: 20.3N·m<br>Measurement with HNTTZ8-8 |

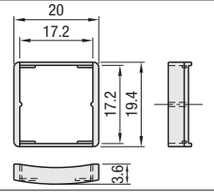
### Pre-Assembly Insertion Stoppers

HNST8



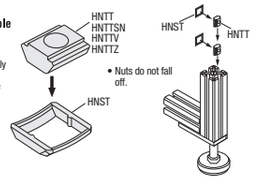
RoHS10

M Material: Polyamide




Example

- Hold Pre-Assembly Insertion Nuts temporarily in the extrusion.




| Part Number | Applicable Pre-Assembly Insertion Nut | Color | Unit Price 1 ~ 1500 pc(s). |
|---|---|---|---|
| HNST8 | HNTT8<br>HNTTV8<br>HNTTZ8<br>HNTTSN8<br>HNTTSS8 | Black | |

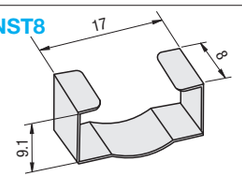
Ordering Example: Part Number HNST8

### Pre-Assembly Insertion Metal Stoppers

SHNST8

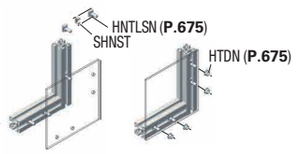
RoHS10

M Material: SUS301




Example

*Can also be used with Pre-Assembly Insertion Screws.




| Part Number | Applicable Pre-Assembly Insertion Nut* | Unit Price 1 ~ 1500 pc(s). |
|---|---|---|
| SHNST8 | HNTT8<br>HNTTV8<br>HNTTZ8<br>HNTTSN8<br>HNTTSS8 | |

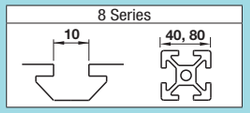
Ordering Example: Part Number SHNST8



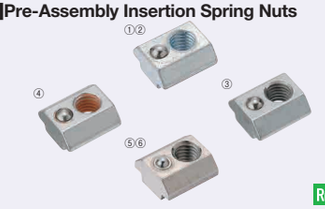
# Pre-Assembly Insertion Nuts for Aluminum Extrusions

## For 8 Series (Slot Width 10mm)

8 Series




### Pre-Assembly Insertion Spring Nuts

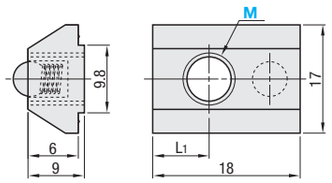



RoHS10

| Type | M Material Main Body | Ball | Spring | S Surface Treatment |
|---|---|---|---|---|
| ①HNTU8<br>②PACK-HNTU8<br>③HNTUV8<br>④HNTUZ8 | S10C Equivalent | SUS304 | SWP-A | Trivalent Chromate |
| ⑤SHNTU8<br>⑥PACK-SHNTU8 | SUS304 Equivalent | SUS304 | SUS304-WP8 | - |

HNTU8 (S10C Equivalent)
PACK-HNTU8 (S10C Equivalent, 100/pkg.)
HNTUV8 (Thread Locking Adhesive Type, S10C Equivalent)
HNTUZ8 (Thread Locking Resin Coating Type, S10C Equivalent)
SHNTU8 (SUS304 Equivalent)
PACK-SHNTU8 (SUS304 Equivalent, 100/pkg.)

| Reference Tightening Torque (N·m) | |
|---|---|
| M | S10C Equivalent, SUS304 Equivalent (Sintered) |
| 8 | 23.5 |




| Part Number | M | L1 | Unit Price 1 ~ 499 pc(s). | Volume Discount Rate 500~749 | 750~999 | 1000~1500 |
|---|---|---|---|---|---|---|
| HNTU8 (S10C Equivalent) | 4 5 6 8 | 6 | | | | |
| HNTUV8 (Thread Locking, S10C Equivalent) | 8 | | | | | |
| HNTUZ8 (Thread Locking, S10C Equivalent) | | | | | | |
| SHNTU8 (SUS304 Equivalent) | 4 5 6 8 | 5.5 | | | | |

Ordering Example: Part Number HNTU8 - M 8

### Bulk Packages (100 pcs. per package)

| Part Number | M | L1 | Unit Price (1 ~ 10 packages) Package Price | Price per Pkg. |
|---|---|---|---|---|
| PACK-HNTU8 (S10C Equivalent) | 4 5 6 8 | 6 | | |
| PACK-SHNTU8 (SUS304 Equivalent) | | 5.5 | | |

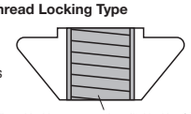
Example

- Does not fall even if the extrusion is placed vertically.

Built-in spring prevents slips. Moves easily in the slot when pressed slightly by hand.



### Thread Locking Type



Thread locking compound applied inside of the tap.

Nuts with thread locker applied on the inside of tap. Reduce loosening caused by vibration during transportation and operation of equipment.
Thread Locking Adhesive: A microencapsulated anaerobic adhesive prevents thread loosening. Note that it requires a hardening time (72 hours at room temperature 25°C). The adhesive property is lost once loosened.
Resin Coating: Resin is coated along the threads. Although the thread locking effect may be less than adhesive type, it can be used repeatedly without hardening time required.

### Effect of Thread Locker (Reference)

Loosening torque values are for reference. Difference may occur depending on the clearances between screws and nuts.

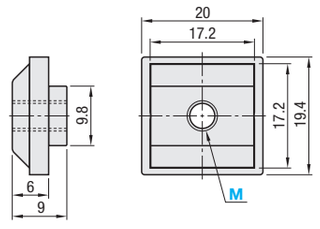
| | Characteristics | Loosening Torque after Tightening (1st time) | Remarks |
|---|---|---|---|
| Without Thread Locker | - | 17.9N·m | - |
| Thread Locking Adhesive Type | · Prevents loosening effectively.<br>· Thread locking properties are lost once loosened.<br>· Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening. | 25.6N·m | Test Conditions:<br>Measured value (HNTTV8-8) when a screw is loosened after drying for 72 hours at room temperature (25 °C), after tightened at 23.5N·m. |
| Thread Locking Resin Coating Type | · Can be used repeatedly. (Thread locking effect decreases after repeated use.)<br>· Thread locking effect is immediately seen right after tightening. | 21.8N·m | Thread locking effect decreases after repeated use.<br>Loosening Torque at 5 Repeats: 20.3N·m<br>Measurement with HNTTZ8-8 |

### Stopper Integrated Nuts

HNTE8
SHNTE8


RoHS10

| Type | M Material Main Body | Stopper | S Surface Treatment |
|---|---|---|---|
| ①HNTE8 | S10C Equivalent | Polyamide | Trivalent Chromate |
| ②SHNTE8 | SUS304 | | - |

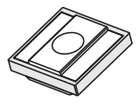


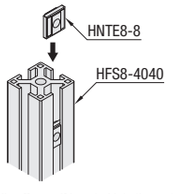

| Reference Tightening Torque (N·m) | |
|---|---|
| M | S10C Equivalent / SUS304 |
| 8 | 23.5 |

| Part Number | M | Unit Price 1 ~ 499 pc(s). | Volume Discount Rate 500~749 | 750~999 | 1000~1500 |
|---|---|---|---|---|---|
| HNTE8 | 4 5 6 8 | | | | |
| SHNTE8 | 3 4 5 6 8 | | | | |

Ordering Example: Part Number HNTE8 - M 8

Example






Integrated Pre-Assembly Insertion Nuts and Stoppers.

The nuts do not slip off even if inserted into the vertically-placed extrusions.