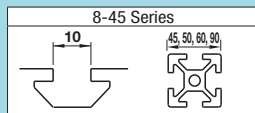


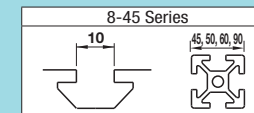
# Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions - Standard

## For 8-45 Series (Slot Width 10mm)

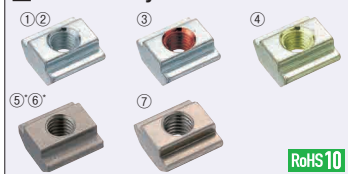


# Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions with Temporary Holding Function - Stopper Integrated Nuts / Spring Nuts

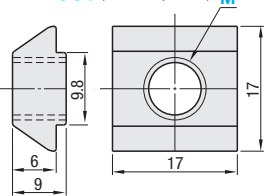
## For 8-45 Series (Slot Width 10mm)



### Pre-Assembly Insertion Nuts



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



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



Example

**Pre-Assembly Insertion Nuts**  
Aluminum Extrusion Nuts are pre-inserted in the aluminum extrusion.  
HNTU  
HNTV  
SHNTU  
HNTT  
HNTTV  
HNTTZ  
HNTTSN  
HNTTSS  
HNTM

\* Electrically conductive

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

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

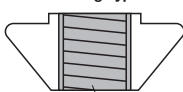
Part Number - M  
HNTT8 - 8

### Bulk Packages

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

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.

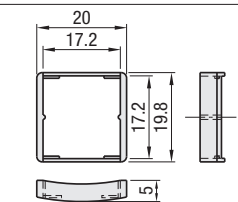
Without Thread Locker	Characteristics	Loosening Torque after Tightening (1st time)	Remarks
Without Thread Locker	-	17.9N·m	-
Thread Locking Adhesive Type	<ul style="list-style-type: none"> <li>Prevents loosening effectively.</li> <li>Thread locking properties are lost once loosened.</li> <li>Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening.</li> </ul>	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	<ul style="list-style-type: none"> <li>Can be used repeatedly. (Thread locking effect decreases after repeated use.)</li> <li>Thread locking effect is immediately seen right after tightening.</li> </ul>	21.8N·m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 20.3N·m Measurement with HNTTZ8-8

### Pre-Assembly Insertion Stoppers



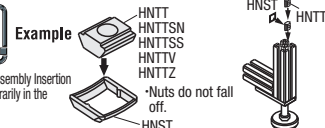
Material: Polyamide

### HNST8-45



Example

Hold Pre-Assembly Insertion Nuts temporarily in the extrusion.



Nuts do not fall off.

Part Number	Applicable Pre-Assembly Insertion Nut	Color	Unit Price (1 ~ 1500 pc(s))
HNST8-45	HNTT8 HNTTV8 HNTTZ8 HNTTSN8 HNTTSS8	Gray	

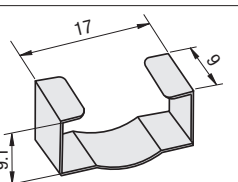
Part Number - M  
HNST8-45

### Pre-Assembly Insertion Metal Stoppers



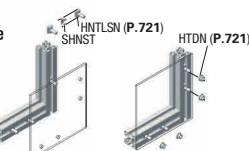
Material: SUS301

### SHNST8



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 HNTTV8 HNTTZ8 HNTTSN8 HNTTSS8	

Part Number - M  
SHNST8

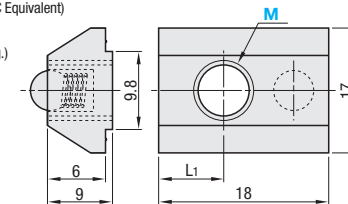
### Tightening Torque P.526

### Pre-Assembly Insertion Spring Nuts



- 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



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

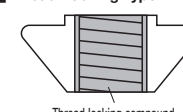
Part Number	M	L1	Unit Price (1 ~ 499 pc(s))				Volume Discount Rate			
			500-749	750-999	1000-1500	1000-1500	1000-1500	1000-1500		
HNTU8 (S10C Equivalent)	4 5 6 8	6								
HNTUV8 (Thread Locking, S10C Equivalent)	8									
HNTUZ8 (Thread Locking, S10C Equivalent)	8									
SHNTU8 (SUS304 Equivalent)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

Part Number - M  
HNTU8 - 8

### Bulk Packages

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)	4 5 6 8	5.5		

### Thread Locking Type



Thread locking compound

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.



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.

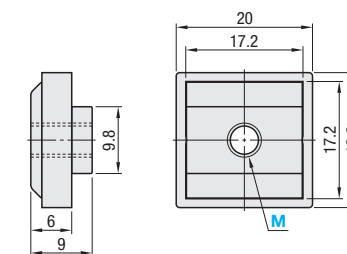
### Effect of Thread Locker (Reference)

Without Thread Locker	Characteristics	Loosening Torque after Tightening (1st time)	Remarks
Without Thread Locker	-	17.9N·m	-
Thread Locking Adhesive Type	<ul style="list-style-type: none"> <li>Prevents loosening effectively.</li> <li>Thread locking properties are lost once loosened.</li> <li>Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening.</li> </ul>	25.6N·m	Test Conditions: Measured value (HNTUV8-8) 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	<ul style="list-style-type: none"> <li>Can be used repeatedly. (Thread locking effect decreases after repeated use.)</li> <li>Thread locking effect is immediately seen right after tightening.</li> </ul>	21.8N·m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 20.3N·m Measurement with HNTTZ8-8

### Stopper Integrated Nuts



### HNTE8-45 SHNTE8-45



Reference Tightening Torque (N·m)	
M	S10C Equivalent
8	23.5

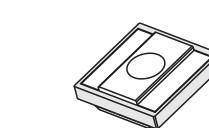
Type	Material		Surface Treatment
	Main Body	Stopper	
① HNTE8-45	S10C Equivalent	Polyamide	Trivalent Chromate
② SHNTE8-45	SUS304	-	-

Part Number	M	Unit Price (1 ~ 499 pc(s))				Volume Discount Rate			
		500-749	750-999	1000-1500	1000-1500	1000-1500	1000-1500		
HNTE8-45	4 5 6 8								
SHNTE8-45	4 5 6 8								

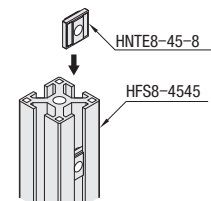
Part Number - M  
HNTE8-45 - 8



Example



Integrated Pre-Assembly Insertion Nuts and Stoppers.



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