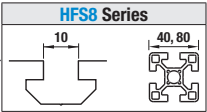
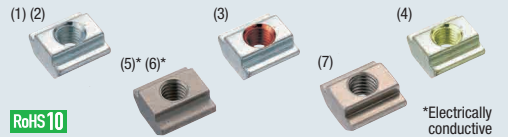


Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions

Standard, For HFS8 Series Aluminum Extrusions 40, 80 mm Square



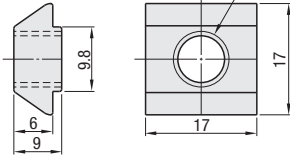
Pre-Assembly Insertion Nuts – for Aluminum Extrusions



Type	Material	Surface Treatment
(1) HNTT8	1010 Carbon Steel	Trivalent Chromate
(2) PACK-HNTT8		
(3) HNTTV8		
(4) HNTTZ8	Thread Locking Resin Coating Type, 1010 Carbon Steel	—
(5) HNTTSN8*	Thread Locking Resin Coating Type, 1010 Carbon Steel	
(6) PACK-HNTTSN8*	316 Stainless Steel (Sintering)	—
(7) HNTTSS8	303 Stainless Steel or Equivalent	

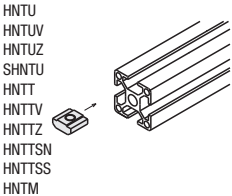
HNTT8
1010 Carbon Steel
PACK-HNTT8
1010 Carbon Steel, 100/pkg.
HNTTV8
Thread Locking Adhesive Type, 1010 Carbon Steel
HNTTZ8
Thread Locking Resin Coating Type, 1010 Carbon Steel
HNTTSN8
316 Stainless Steel, Sintering
PACK-HNTTSN8
303 Stainless Steel, Sintering, 100/pkg.
HNTTSS8
303 Stainless Steel Equivalent

Reference Tightening Torque (N•m)	
M	1010 Carbon Steel / 316 Stainless Steel (Sintering) / 303 Stainless or Steel Equivalent
8	23.5



Application Example

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



Part Number Example

Part Number - M
HNTT8 - 8

Bulk Packages

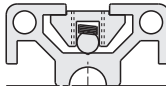
Part Number	M
PACK-HNTT8 1010 Carbon Steel	4 5 6 8
PACK-HNTTSN8 316 Stainless Steel, Sintering	4 5 6 8

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

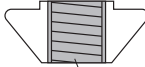
Application Example

Maintains its position (even in vertical extrusions).

Built-in spring maintains its position. 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: Threads are coated with resin. 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.

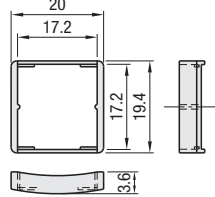
	Features	Loosening torque after tightening (1st time)	Remarks
Without Thread Locker	—	17.9 N•m	—
Thread Locking Adhesive Type	— Prevents loosening effectively. — Thread locking properties are lost once loosened. — Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening.	25.6 N•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.) — Thread locking effect is immediately seen right after tightening.	21.8 N•m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 20.3N•m Measurement with HNTTZ8-8

Stoppers for Pre-Assembly Insertion Nuts



RoHS10

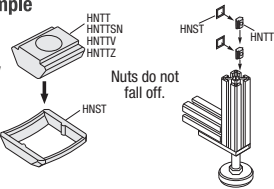
HNST8



Material: Polyamide

Application Example

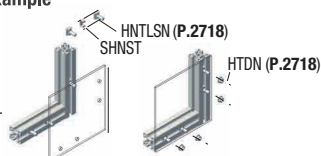
Hold pre-assembly insertion nuts temporarily in the extrusion.



Part Number	Applicable Pre-Assembly Insertion Nut	Color
HNST8	HNTT8 HNTTV8 HNTTZ8 HNTTSN8 HNTTSS8	Black

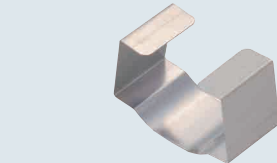
Application Example

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



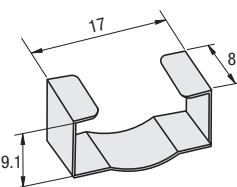
Part Number	Applicable Pre-Assembly Insertion Nuts
SHNST8	HNTT8 HNTTV8 HNTTZ8 HNTTSN8 HNTTSS8

Metal Stoppers for Pre-Assembly Insertion Nuts



RoHS10

SHNST8

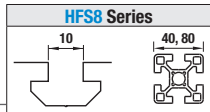


Material: 301 Stainless Steel

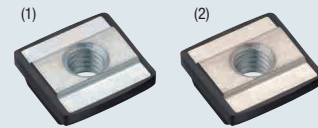
Part Number Example
Part Number
SHNST8

Pre-Assembly Insertion Nuts for Aluminum Extrusions

Standard, For HFS8 Series Aluminum Extrusions 40, 80 mm Square

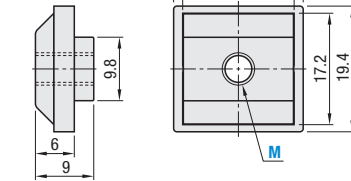


Stopper Integrated Nuts



RoHS10

HNTT8 SHNTT8



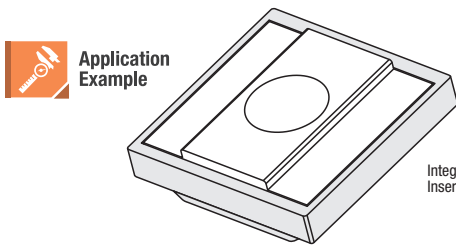
Reference Tightening Torque (N•m)	
M	1010 Carbon Steel / 304 Stainless Steel
8	23.5

Type	Material		
	Main Body	Stopper	Surface Treatment
(1) HNTT8	1010 Carbon Steel	Polypropylene	Trivalent Chromate
(2) SHNTT8	304 Stainless Steel		—

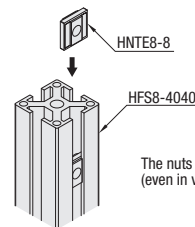
Part Number	M
HNTT8	4 5 6 8
SHNTT8	3 4 5 6 8

Part Number Example
Part Number - M
HNTT8 - 8

Application Example

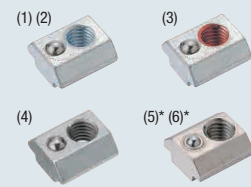


Integrated Pre-Assembly Insertion Nuts and Stoppers.



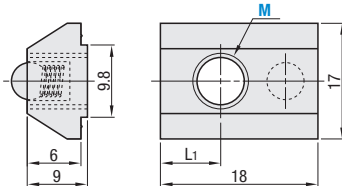
The nuts maintain their position (even in vertical extrusions).

Pre-Assembly Insertion Spring Nuts



RoHS10

HNTU8
1010 Carbon Steel
PACK-HNTU8
1010 Carbon Steel, 100/pkg.
HNTUV8
Thread Locking Adhesive Type, 1010 Carbon Steel
HNTUZ8
Thread Locking Resin Coating Type, 1010 Carbon Steel
SHNTU8
304 Stainless Steel, Sintering
PACK-SHNTU8
304 Stainless Steel, Sintering, 100/pkg.



Reference Tightening Torque (N•m)	
M	1010 Carbon Steel / 304 Stainless Steel (Sintering)
8	23.5

Type	Body	Ball	Material	Surface Treatment
(1) HNTU8	1010 Carbon Steel or Equivalent	304 Stainless Steel	Spring Steel (ASTM A228)	Trivalent Chromate
(2) PACK-HNTU8				
(3) HNTUV8				
(4) HNTUZ8				
(5) SHNTU8*	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	—
(6) PACK-SHNTU8*				

Part Number	M					L ₁
HNTU8 1010 Carbon Steel	3	4	5	6	8	6
HNTUV8 Thread Locking / 1010 Carbon Steel	8					
HNTUZ8 Thread Locking / 1010 Carbon Steel						
SHNTU8 316 Stainless Steel, Sintering	4	5	6	8		5.5

Part Number Example
Part Number - M
HNTU8 - 8

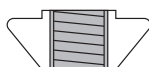
Application Example

Maintains its position (even in vertical extrusions).

Built-in spring maintains its position. 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: Threads are coated with resin. 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.

	Features	Loosening torque after tightening (1st time)	Remarks
Without Thread Locker	—	17.9 N•m	—
Thread Locking Adhesive Type	— Prevents loosening effectively. — Thread locking properties are lost once loosened. — Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening.	25.6 N•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.) — Thread locking effect is immediately seen right after tightening.	21.8 N•m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 20.3N•m Measurement with HNTTZ8-8