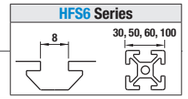
Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions

For HFS6 Series Aluminum Extrusions 30, 50, 60, 100 Square

HFS6 Series



Pre-Assembly Insertion Nuts – for Aluminum Extrusions

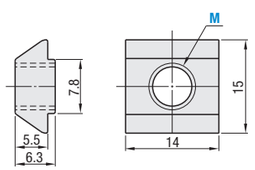
* Electrically conductive

RoHS10

Type	Material	Surface Treatment
(1) HNTT6 (2) PACK-HNTT6 (3) HNTTV6 (4) HNTTZ6	1010 Carbon Steel	Trivalent Chromate
(5) HNTTSN6* (6) PACK-HNTTSN6*	316 Stainless Steel (Sintering)	—
(7) HNTTSS6	303 Stainless Steel Equivalent	

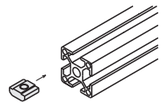
HNTT6 1010 Carbon Steel
PACK-HNTT6 1010 Carbon Steel, 100/pkg.
HNTTV6 Thread Locking Adhesive Type / 1010 Carbon Steel
HNTTZ6 Thread Locking Resin CoatingType / 1010 Carbon Steel
HNTTSN6 316 Stainless Steel, Sintering
PACK-HNTTSN6 316 Stainless Steel, Sintering, 100/pkg.
HNTTSS6 303 Stainless Steel Equivalent

Reference Tightening Torque (N•m)	
M	1010 Carbon Steel / 316 Stainless Steel (Sintering) / 303 Stainless Steel Equivalent
6	11.7



Application Example

Pre-Assembly Insertion Nut
Nuts are pre-inserted in the aluminum extrusion.
HNTU
HNTUV
HNTUZ
SHNTU
HNTTBS
HNTT
HNTTV
HNTTZ
HNTTSN
HNTTSS
HNTJ



Part Number	M			
HNTT6 1010 Carbon Steel	3	4	5	6
HNTTV6 Thread Locking, 1010 Carbon Steel				6
HNTTZ6 Thread Locking, 1010 Carbon Steel				
HNTTSN6 316 Stainless Steel, Sintering	3	4	5	6
HNTTSS6 303 Stainless Steel Equivalent				6

Bulk Packages

Part Number	M			
PACK-HNTT6 1010 Carbon Steel	3	4	5	6
PACK-HNTTSN6 316 Stainless Steel , Sintering	3	4	5	6

ⓘ Bulk-packages are cost effective for in-house stock and large qty. uses. (**P.2720**)

Part Number Example

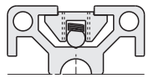
Part Number	-	M
HNTT6	-	6

ⓘ When ordering HNTT6 without specifying M, HNTT6-6 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.

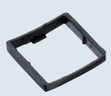
Resin Coating: Threads are coated with resin. Although the thread locking effect may be less than adhesive type, it can be used repeatedly without hardening time required.

Effect of Thread Locker (Reference)

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

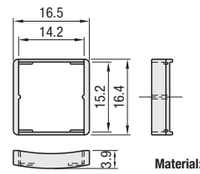
	Features	Loosening torque after tightening (1st time)	Remarks
Without Thread Locker	—	8.2 N•m	—
Thread Locking Adhesive Type	– Prevents loosening effectively. – Thread locking properties are lost once loosened. – Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening.	11.7 N•m	Test Conditions: Measured value (HNTTV6-6) when a screw is loosened after drying for 72 hours at room temperature (25 °C), after tightened at 11.7N•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.	10.0 N•m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 9.4N•m Measurement for HNTTZ6-6

Stoppers for Pre-Assembly Insertion Nuts



RoHS10

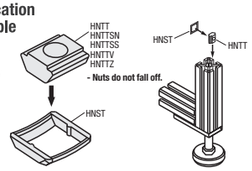
HNST6



Material: Polyamide

Application Example

Hold preassembly insertion nuts temporarily in the extrusion.



Part Number	Applicable Pre-Assembly Insertion Nut	Color
HNST6	HNTT6 HNTTV6 HNTTZ6 HNTTSN6 HNTTSS6	Black

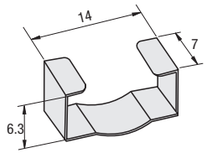
Part Number Example

Part Number
HNST6

Metal Stoppers for Pre-Assembly Insertion Nuts

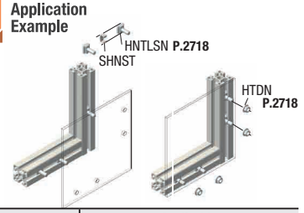
RoHS10

SHNST6



Material: 301 Stainless Steel

Application Example



Part Number	Applicable Pre-Assembly Insertion Nuts
SHNST6	HNTT6 HNTTV6 HNTTZ6 HNTTSN6 HNTTSS6

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

Part Number Example

Part Number
SHNST6

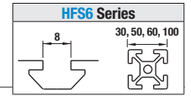
MiSUMi

There's more on the web: misumiusa.com

Pre-Assembly Insertion Stopper / Spring Nuts

For HFS6 Series Aluminum Extrusions 30, 50, 60, 100 Square

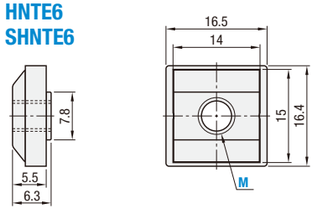
HFS6 Series



Stopper Integrated Nuts

RoHS10

HNTE6
SHNTE6



Reference Tightening Torque (N•m)	
M	1010 Carbon Steel / 304 Stainless Steel
6	11.7

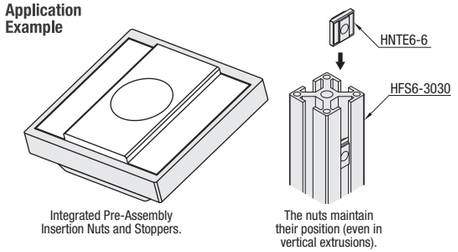
Type	Material		
	Main Body	Stopper	Surface Treatment
(1) HNTE6	1010 Carbon Steel	Polypropylene	Trivalent Chromate
(2) SHNTE6	304 Stainless Steel		—

Part Number	M			
HNTE6	3	4	5	6
SHNTE6	3	4	5	6

Part Number Example

Part Number	-	M
HNTE6	-	5

Application Example



Integrated Pre-Assembly Insertion Nuts and Stoppers.

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

Pre-Assembly Insertion Spring Nuts

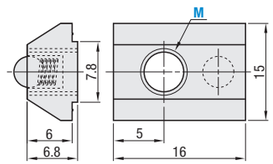
RoHS10

* Electrically conductive

HNTU6 1010 Carbon Steel
PACK-HNTU6 1010 Carbon Steel, 100/pkg.
HNTUV6 Thread Locking Adhesive Type, 1010 Carbon Steel
HNTUZ6 Thread Locking Resin Coating Type, 1010 Carbon Steel
SHNTU6 304 Stainless Steel, Sintering
PACK-SHNTU6 304 Stainless Steel, Sintering, 100/pkg.

Reference Tightening Torque (N•m)	
M	1010 Carbon Steel Equivalent / 304 Stainless Steel Equivalent (Sintering)
6	11.7

Type	Material			
	Main Body	Ball	Spring	Surface Treatment
(1) HNTU6 (2) PACK-HNTU6 (3) HNTUV6 (4) HNTUZ6	1010 Carbon Steel	304 Stainless Steel	Spring Steel (ASTM A228)	Trivalent Chromate
(5) SHNTU6 (6) PACK-SHNTU6	304 Stainless Steel (Sintering)	304 Stainless Steel	304 Stainless Steel	—



Part Number	M			
HNTU6 1010 Carbon Steel	3	4	5	6
HNTUV6 Thread Locking, 1010 Carbon Steel				6
HNTUZ6 Thread Locking, 1010 Carbon Steel				
SHNTU6 304 Stainless Steel	3	4	5	6

Bulk Packages

Part Number	M
PACK-HNTU6 1010 Carbon Steel	3 4 5 6
PACK-SHNTU6 304 Stainless Steel, Sintering	

Part Number Example

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HNTU6	-	6

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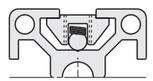
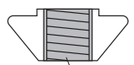


Thread Locking Type



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