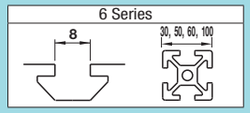
Pre-Assembly Insertion Nuts/Stoppers for Aluminum Extrusions - Standard

For 6 Series (Slot Width 8mm)



Tightening Torque ☞P.526

■Pre-Assembly Insertion Nuts

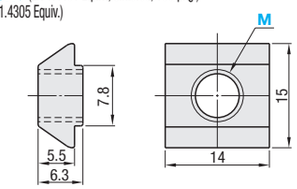
RoHS10

* Electrically conductive

Type	Material	Surface Treatment
①HNTT6	EN 1.0301 Equiv.	Trivalent Chromate
②PACK-HNTT6		
③HNTTV6	Thread Locking Adhesive Type, EN 1.0301 Equiv.	
④HNTTZ6	Thread Locking Resin Coating Type, EN 1.0301 Equiv.	
⑤HNTTSN6*	EN 1.4401 Equiv. (Sintered)	-
⑥PACK-HNTTSN6*		
⑦HNTTSS6	EN 1.4305 Equiv.	-

HNTT6 (EN 1.0301 Equiv.)
PACK-HNTT6 (EN 1.0301 Equiv., 100/pkg.)
HNTTV6 (Thread Locking Adhesive Type, EN 1.0301 Equiv.)
HNTTZ6 (Thread Locking Resin Coating Type, EN 1.0301 Equiv.)
HNTTSN6 (EN 1.4401 Equiv., Sintered)
PACK-HNTTSN6 (EN 1.4401 Equiv., Sintered, 100/pkg.)
HNTTSS6 (EN 1.4305 Equiv.)

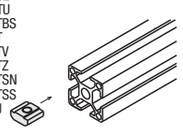
Reference Tightening Torque (N・m)	
M	EN 1.0301 Equiv. EN 1.4401 Equiv. (Sintered) EN 1.4305 Equiv.
6	11.7



Example

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

HNTU
HNTUV
HNTUZ
SHNTU
HNTTBS
HNTT
HNTTV
HNTTZ
HNTTSN
HNTTSS
HNTJ



Part Number	M	Unit Price	Volume Discount Rate		
		1 ~ 499 pc(s).	500~749	750~999	1000~1500
HNTT6 (EN 1.0301 Equiv.)	3 4 5 6				
HNTTV6 (Thread Locking, EN 1.0301 Equiv.)	6				
HNTTZ6 (Thread Locking, EN 1.0301 Equiv.)					
HNTTSN6 (EN 1.4401 Equiv., Sintered)	3 4 5 6				
HNTTSS6 (EN 1.4305 Equiv.)	6				

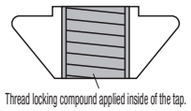
Ordering Example: Part Number HNTT6 - M 6

■Bulk Packages ☞100 pcs. per package

Part Number	M	Unit Price (1 ~ 10 packages)	
		Package Price	Price per Pkg.
PACK-HNTT6 (EN 1.0301 Equiv.)	3 4 5 6		
PACK-HNTTSN6 (EN 1.4401 Equiv., Sintered)	3 4 5 6		

☞When ordering HNTT6 without specifying M, HNTT6-6 is selected automatically.

■Thread Locking Type



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.

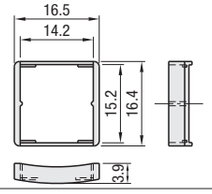
	Characteristics	Loosening Torque after Tightening (1st time)	Remarks
Without Thread Locker	-	8.2N・m	-
Thread Locking Adhesive Type	・Prevents loosening effectively. ・Thread locking properties are lost once loosened. ・Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening.	11.7N・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.	10.0N・m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 9.4N・m Measurement with HNTTZ6-6

■Pre-Assembly Insertion Stoppers

RoHS10

Ⓜ Material: Polyamide

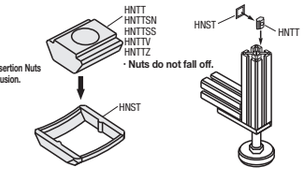
HNST6



Part Number	Applicable Pre-Assembly Insertion Nut	Color	Unit Price
			1 ~ 1500 pc(s).
HNST6	HNTT6 HNTTV6 HNTTZ6 HNTTSN6 HNTTSS6	Black	

Ordering Example: Part Number HNST6

Example

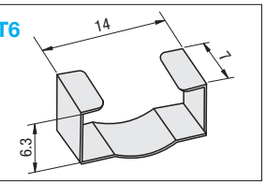


■Pre-Assembly Insertion Metal Stoppers

RoHS10

Ⓜ Material: EN 1.4319 Equiv.

SHNST6

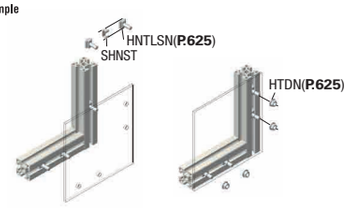


Part Number	Applicable Pre-Assembly Insertion Nut*	Unit Price
		1 ~ 1500 pc(s).
SHNST6	HNTT6 HNTTV6 HNTTZ6 HNTTSN6 HNTTSS6	

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

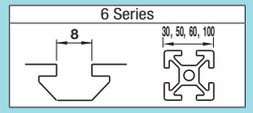
Ordering Example: Part Number SHNST6

Example



Pre-Assembly Insertion Nuts for Aluminum Extrusions with Temporary Holding Function

For 6 Series (Slot Width 8mm)



Tightening Torque ☞P.526

■Pre-Assembly Insertion Spring Nuts

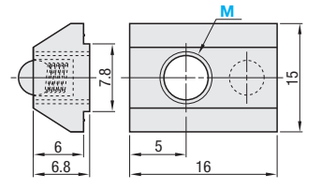
RoHS10

* Electrically conductive

Type	Material			Surface Treatment
	Main Body	Ball	Spring	
①HNTU6 ②PACK-HNTU6 ③HNTUV6 ④HNTUZ6	EN 1.0301 Equiv.	EN 1.4301 Equiv.	JIS-SWP-A	Trivalent Chromate
⑤SHNTU6* ⑥PACK-SHNTU6*	EN 1.4301 Equiv. (Sintered)	EN 1.4301 Equiv.	SUS304-WP8	-

HNTU6 (EN 1.0301 Equiv.)
PACK-HNTU6 (EN 1.0301 Equiv., 100/pkg.)
HNTUV6 (Thread Locking Adhesive Type, EN 1.0301 Equiv.)
HNTUZ6 (Thread Locking Resin Coating Type, EN 1.0301 Equiv.)
SHNTU6 (EN 1.4301 Equiv., Sintered)
PACK-SHNTU6 (EN 1.4301 Equiv., Sintered, 100/pkg.)

Reference Tightening Torque (N・m)	
M	EN 1.0301 Equiv., EN 1.4301 Equiv. (Sintered)
6	11.7



Part Number	M	Unit Price	Volume Discount Rate		
		1 ~ 499 pc(s).	500~749	750~999	1000~1500
HNTU6 (EN 1.0301 Equiv.)	3 4 5 6				
HNTUV6 (Thread Locking, EN 1.0301 Equiv.)	6				
HNTUZ6 (Thread Locking, EN 1.0301 Equiv.)					
SHNTU6 (EN 1.4301 Equiv.)	3 4 5 6				

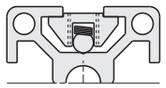
Ordering Example: Part Number HNTU6 - M 6

■Bulk Packages ☞100 pcs. per package

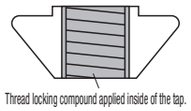
Part Number	M	Unit Price (1 ~ 10 packages)	
		Package Price	Price per Pkg.
PACK-HNTU6 (EN 1.0301 Equiv.)	3 4 5 6		
PACK-SHNTU6 (EN 1.4301 Equiv.)			

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



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.

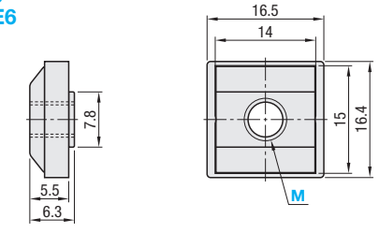
	Characteristics	Loosening Torque after Tightening (1st time)	Remarks
Without Thread Locker	-	8.2N・m	-
Thread Locking Adhesive Type	・Prevents loosening effectively. ・Thread locking properties are lost once loosened. ・Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening.	11.7N・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.	10.0N・m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 9.4N・m Measurement with HNTTZ6-6

■Stopper Integrated Nuts

RoHS10

Type	Material		Surface Treatment
	Main Body	Stopper	
①HNTE6	EN 1.0301 Equiv.	Polypropylene	Trivalent Chromate
②SHNTE6	EN 1.4301 Equiv.		-

HNTE6
SHNTE6

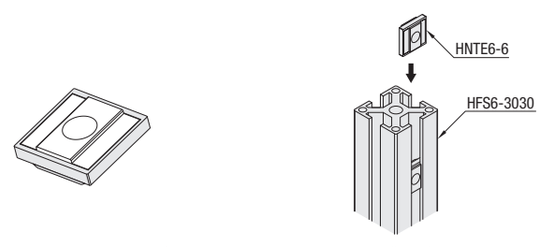


Reference Tightening Torque (N・m)	
M	EN 1.0301 Equiv. / EN 1.4301 Equiv.
6	11.7

Part Number	M	Unit Price	Volume Discount Rate		
		1 ~ 499 pc(s).	500~749	750~999	1000~1500
HNTE6	3 4 5 6				
SHNTE6	3 4 5 6				

Ordering Example: Part Number HNTE6 - M 5

Example



Integrated Pre-Assembly Insertion Nuts and Stoppers.

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