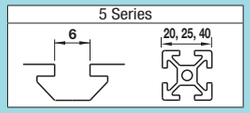
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

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

For 5 Series (Slot Width 6mm)

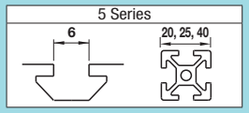
5 Series



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

For 5 Series (Slot Width 6mm)

5 Series



■Pre-Assembly Insertion Nuts

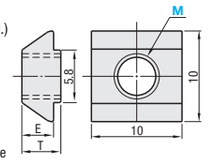
RoHS10

HNTT5 (S10C Equivalent)
PACK-HNTT5 (S10C Equivalent, 100/pkg.)
HNTTV5 (Thread Locking Adhesive Type, S10C Equivalent)
HNTTZ5 (Thread Locking Resin Coating Type, S10C Equivalent)
HNTTSN5 (SUS316 Equivalent, Sintered)
PACK-HNTTSN5 (SUS316 Equivalent, Sintered, 100/pkg.)
HNTTSS5 (SUS303 Equivalent)

Type	M Material	S Surface Treatment
①HNTT5 ②PACK-HNTT5 ③HNTTV5 ④HNTTZ5	S10C Equivalent	Trivalent Chromate
⑤HNTTSN5* ⑥PACK-HNTTSN5*	SUS316 Equivalent (Sintered)	-
⑦HNTTSS5	SUS303 Equivalent	-

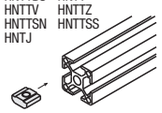
* Electrically conductive

Reference Tightening Torque (N•m)	
M	S10C Equivalent / SUS316 Equivalent (Sintered) / SUS303 Equivalent
5	6.8



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	E	T	Unit Price	Volume Discount Rate		
				1 ~ 499 pc(s).	500~749	750~999	1000~1500
HNTT5 (S10C Equivalent)	3 4 5	3.3	4.1				
HNTTV5 (Thread Locking, S10C Equivalent)	5						
HNTTZ5 (Thread Locking, S10C Equivalent)	5						
HNTTSN5 (SUS316 Equivalent, Sintered)	3 4 5	3.5	4.3				
HNTTSS5 (SUS303 Equivalent)	5	3.3	4.1				

Ordering Example: Part Number - M
HNTT5 - 5

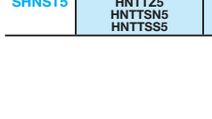
■Bulk Packages

100 pcs. per package

Part Number	M	Unit Price (1 ~ 10 packages)	
		Package Price	Price per Pkg.
PACK-HNTT5 (S10C Equivalent)	3 4 5		
PACK-HNTTSN5 (SUS316 Equivalent, Sintered)	3 4 5		

When ordering HNTT5 without specifying M, HNTT5-5 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.

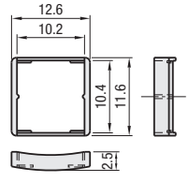
	Characteristics	Loosening Torque after Tightening (1st time)	Remarks
Without Thread Locker	-	5.2N・m	-
Thread Locking Adhesive Type	• Prevents loosening effectively. • Thread locking properties are lost once loosened. • Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening.	7.6N・m	Test Conditions: Measured value (HNTPV5-5) when a screw is loosened after drying for 72 hours at room temperature (25 deg. C), after tightened at 6.8N・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.	6.5N・m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 6.2N・m Measurement with HNTTZ5-5

■Pre-Assembly Insertion Stoppers

RoHS10

M Material: Polyamide

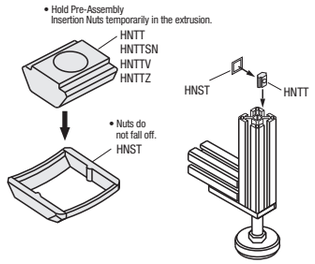
HNST5



Part Number	Applicable Pre-Assembly Insertion Nut	Color	Unit Price	Volume Discount Rate
			1 ~ 49 pc(s).	50~1500
HNST5	HNTT5 HNTTV5 HNTTZ5 HNTTSN5 HNTTSS5	Black		

Ordering Example: Part Number
HNST5

Example

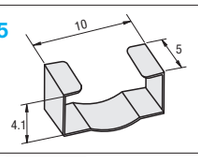


■Pre-Assembly Insertion Metal Stoppers

RoHS10

M Material: SUS301

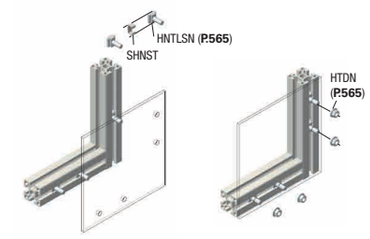
SHNST5



Part Number	Applicable Pre-Assembly Insertion Nut*	Unit Price
		1 ~ 1500 pc(s).
SHNST5	HNTT5 HNTTV5 HNTTZ5 HNTTSN5 HNTTSS5	

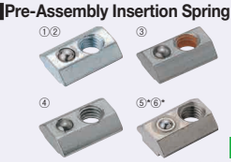
Ordering Example: Part Number
SHNST5

Example



* Can be used with Pre-Assembly Insertion Screws.

■Pre-Assembly Insertion Spring Nuts



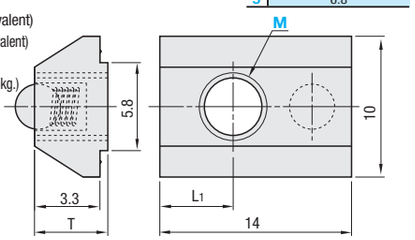
RoHS10

* Electrically conductive

HNTU5 (S10C Equivalent)
PACK-HNTU5 (S10C Equivalent, 100/pkg.)
HNTUV5 (Thread Locking Adhesive Type, S10C Equivalent)
HNTUZ5 (Thread Locking Resin Coating Type, S10C Equivalent)
SHNTU5 (SUS304 Equivalent, Sintered)
PACK-SHNTU5 (SUS304 Equivalent, Sintered, 100/pkg.)

Type	M Material			
	Main Body	Ball	Spring	S Surface Treatment
①HNTU5 ②PACK-HNTU5 ③HNTUV5 ④HNTUZ5	S10C Equivalent	SUS304	SWP-A	Trivalent Chromate
⑤SHNTU5* ⑥PACK-SHNTU5*	SUS304 Equivalent (Sintered)	SUS304	SUS304-WP8	-

Reference Tightening Torque (N・m)	
M	S10C Equivalent, SUS304 Equivalent (Sintered)
5	6.8



Part Number	M	T	L1	Unit Price	Volume Discount Rate		
				1 ~ 499 pc(s).	500~749	750~999	1000~1500
HNTU5 (S10C Equivalent)	3 4 5	4.1	4.5				
HNTUV5 (Thread Locking, S10C Equivalent)	5						
HNTUZ5 (Thread Locking, S10C Equivalent)	5						
SHNTU5 (SUS304 Equivalent, Sintered)	3 4 5	4.7	3.5				

Ordering Example: Part Number - M
HNTU5 - 5

■Bulk Packages

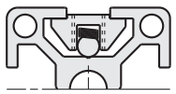
100 pcs. per package

Part Number	M	T	L1	Unit Price (1 ~ 10 packages)	
				Package Price	Price per Pkg.
PACK-HNTU5 (S10C Equivalent)	3 4 5	4.1	4.5		
PACK-SHNTU5 (SUS304 Equivalent, Sintered)	3 4 5	4.7	3.5		

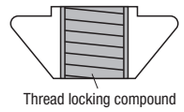
Example

- 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



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.

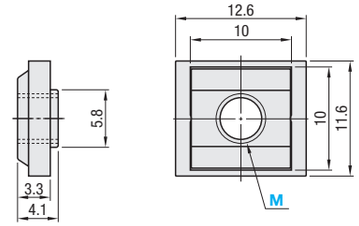
	Characteristics	Loosening Torque after Tightening (1st time)	Remarks
Without Thread Locker	-	5.2N・m	-
Thread Locking Adhesive Type	• Prevents loosening effectively. • Thread locking properties are lost once loosened. • Requires a hardening time for adhesives (72 hours at room temperature 25°C) after tightening.	7.6N・m	Test Conditions: Measured value (HNTPV5-5) when a screw is loosened after drying for 72 hours at room temperature (25 deg. C), after tightened at 6.8N・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.	6.5N・m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 6.2N・m Measurement with HNTTZ5-5

■Stopper Integrated Nuts

RoHS10

HNTE5
SHNTE5

Reference Tightening Torque (N・m)	
M	S10C Equivalent / SUS304
5	6.8



Type	M Material		
	Main Body	Stopper	S Surface Treatment
①HNTE5	S10C Equivalent	Polypropylene	Trivalent Chromate
②SHNTE5	SUS304		-

Part Number	M	Unit Price	Volume Discount Rate		
		1 ~ 499 pc(s).	500~749	750~999	1000~1500
HNTE5	3 4 5				
SHNTE5	3 4 5				

Ordering Example: Part Number - M
HNTE5 - 5

Example

Integrated Pre-Assembly Insertion Nuts and Stoppers.

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