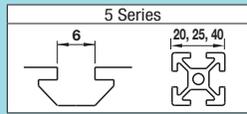
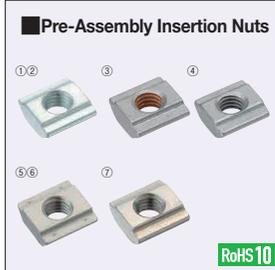
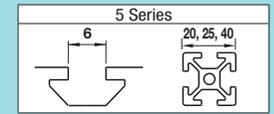


Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions - Standard For 5 Series (Slot Width 6mm)



Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions with Temporary Holding Function For 5 Series (Slot Width 6mm)

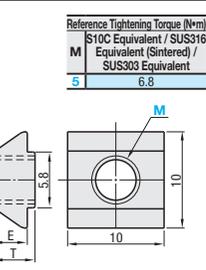


Pre-Assembly Insertion Nuts

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

* Electrically conductive



Example

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

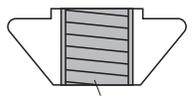
Part Number	M	E	T	Unit Price			
				1 - 499 pc(s).	500-749	750-999	1000-1500
HNTT5 (S10C Equivalent)	3 4 5						
HNTTV5 (Thread Locking, S10C Equivalent)	5	3.3	4.1				
HNTTZ5 (Thread Locking, S10C Equivalent)	5						
HNTTSN5 (SUS316 Equivalent, Sintered)	3 4 5	3.5	4.3				
HNTTSS5 (SUS303 Equivalent)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

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.

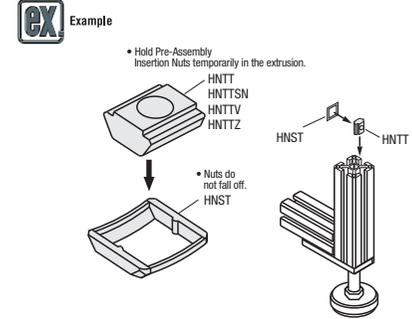
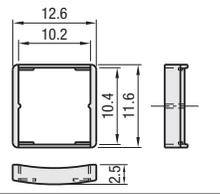
Effect of Thread Locker (Reference)

Characteristics	Loosening Torque after Tightening (1st time)	Remarks
Without Thread Locker	5.2N · m	-
Thread Locking Adhesive Type	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	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

HNST5

Material: Polyamide

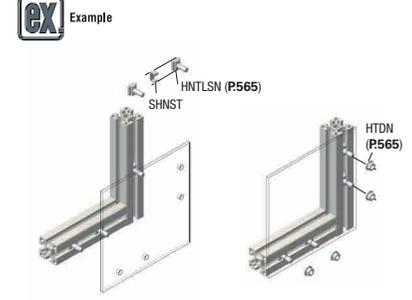
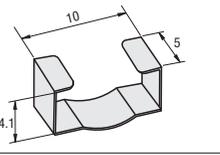


Part Number	Applicable Pre-Assembly Insertion Nut	Color	Unit Price (1 ~ 49 pc(s).)	Volume Discount Rate (50-1500)
HNST5	HNTT5 HNTTV5 HNTTZ5 HNTTSN5 HNTTSS5	Black		

Pre-Assembly Insertion Metal Stoppers

SHNST5

Material: SUS301



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

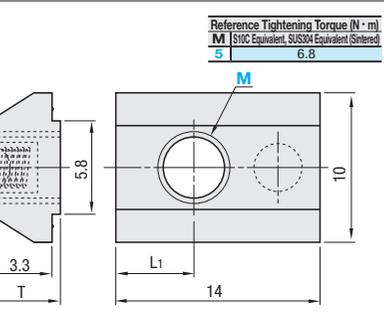
* Can be used with Pre-Assembly Insertion Screws.

Pre-Assembly Insertion Spring Nuts



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.)

* Electrically conductive



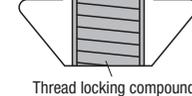
Type	Main Body	Material	Spring	Surface Treatment
① HNTU5	S10C Equivalent	SUS304	SWP-A	Trivalent Chromate
② PACK-HNTU5	S10C Equivalent	SUS304	SWP-A	Trivalent Chromate
③ HNTUV5	SUS304 Equivalent	SUS304	SUS304-WP8	-
④ HNTUZ5	SUS304 Equivalent	SUS304	SUS304-WP8	-
⑤ SHNTU5*	SUS304 Equivalent (Sintered)	SUS304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

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

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		

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.

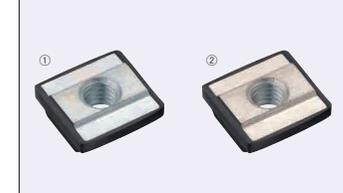
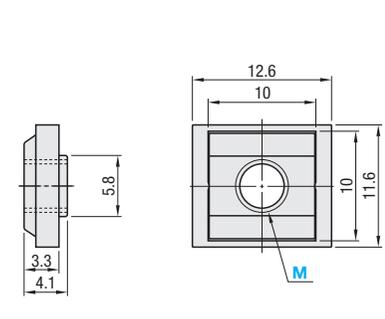
Effect of Thread Locker (Reference)

Characteristics	Loosening Torque after Tightening (1st time)	Remarks
Without Thread Locker	5.2N · m	-
Thread Locking Adhesive Type	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	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

HNTE5
SHNTE5

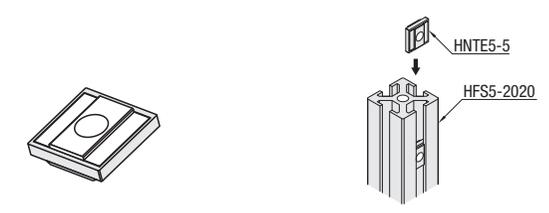
Material: Polyamide



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

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

Example



Integrated Pre-Assembly Insertion Nuts and Stoppers.

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