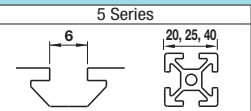


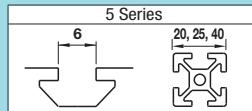
Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions - Standard

For 5 Series (Slot Width 6mm)

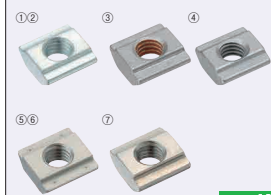


Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions with Temporary Holding Function

For 5 Series (Slot Width 6mm)



Pre-Assembly Insertion Nuts

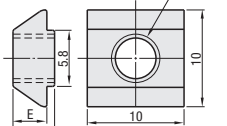


HNTT5 (EN 1.0301 Equiv.)
PACK-HNTT5 (EN 1.0301 Equiv., 100/pkg.)
HNTTV5 (Thread Locking Adhesive Type, EN 1.0301 Equiv.)
HNTTZ5 (Thread Locking Resin Coating Type, EN 1.0301 Equiv.)
HNTTSN5 (EN 1.4401 Equiv., Sintered)
PACK-HNTTSN5 (EN 1.4401 Equiv., Sintered, 100/pkg.)
HNTTSS5 (EN 1.4305 Equiv.)

Type	M	Material	S	Surface Treatment
① HNTT5				
② PACK-HNTT5				
③ HNTTV5		EN 1.0301 Equiv.		Trivalent Chromate
④ HNTTZ5				
⑤ HNTTSN5*		EN 1.4401 Equiv. (Sintered)		-
⑥ PACK-HNTTSN5*				
⑦ HNTTSS5		EN 1.4305 Equiv.		-

* Electrically conductive

Reference Tightening Torque (N·m)	
M	S
EN 1.0301 Equiv. / EN 1.4401 Equiv. (Sintered) / EN 1.4305 Equiv.	5 6.8



Example

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

Part Number	M	E	T	Unit Price 1 ~ 499 pc(s).	Volume Discount Rate 500~749 750~999 1000~1500
HNTT5 (EN 1.0301 Equiv.)	3 4 5				
HNTTV5 (Thread Locking, EN 1.0301 Equiv.)	5	3.3	4.1		
HNTTZ5 (Thread Locking, EN 1.0301 Equiv.)	5				
HNTTSN5 (EN 1.4401 Equiv., Sintered)	3 4 5	3.5	4.3		
HNTTSS5 (EN 1.4305 Equiv.)	5	3.3	4.1		

Bulk Packages

Part Number	M	Unit Price (1 ~ 10 packages) Package Price Price per Pkg.
PACK-HNTT5 (EN 1.0301 Equiv.)	3 4 5	
PACK-HNTTSN5 (EN 1.4401 Equiv., Sintered)	3 4 5	

When ordering HNTT5 without specifying M, HNTT5-5 is selected automatically.

Thread Locking Type



Thread locking compound

Effect of Thread Locker (Reference)

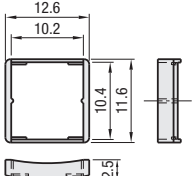
Loosening torque values are for reference. Difference may occur depending on the clearances between screws and nuts.

	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

RoHS 10

HNST5

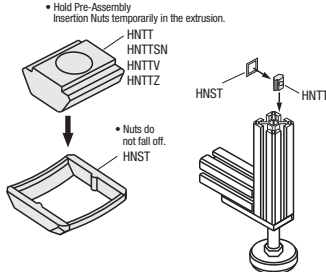


Material: Polyamide

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		

Ordering Example
Part Number
HNST5

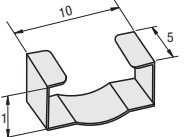
Example



Pre-Assembly Insertion Metal Stoppers

RoHS 10

SHNST5

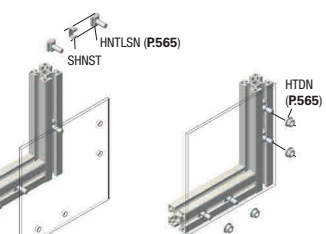


Material: EN 1.4319 Equiv.

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

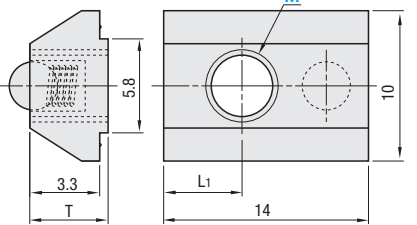


RoHS 10

* Electrically conductive

Type	Main Body	Ball	Spring	Material	Surface Treatment
① HNTU5					
② PACK-HNTU5					
③ HNTUV5	EN 1.0301 Equiv.	EN 1.4301 Equiv.	JIS-SWP-A	Trivalent Chromate	
④ HNTUZ5					
⑤ SHNTU5*	EN 1.4301 Equiv. (Sintered)	EN 1.4301 Equiv.	SUS304-WP8	-	
⑥ PACK-SHNTU5*					

HNTU5 (EN 1.0301 Equiv.)
PACK-HNTU5 (EN 1.0301 Equiv., 100/pkg.)
HNTUV5 (Thread Locking Adhesive Type, EN 1.0301 Equiv.)
HNTUZ5 (Thread Locking Resin Coating Type, EN 1.0301 Equiv.)
SHNTU5 (EN 1.4301 Equiv., Sintered)
PACK-SHNTU5 (EN 1.4301 Equiv., Sintered, 100/pkg.)



Reference Tightening Torque (N · m)	
M	S
EN 1.0301 Equiv. / EN 1.4301 Equiv. (Sintered)	5 6.8

Part Number	M	T	L1	Unit Price 1 ~ 499 pc(s).	Volume Discount Rate 500~749 750~999 1000~1500
HNTU5 (EN 1.0301 Equiv.)	3 4 5				
HNTUV5 (Thread Locking, EN 1.0301 Equiv.)	5	4.1	4.5		
HNTUZ5 (Thread Locking, EN 1.0301 Equiv.)	5				
SHNTU5 (EN 1.4301 Equiv., Sintered)	3 4 5	4.7	3.5		

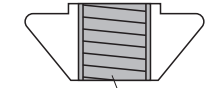
Bulk Packages

Part Number	M	T	L1	Unit Price (1 ~ 10 packages) Package Price Price per Pkg.
PACK-HNTU5 (EN 1.0301 Equiv.)	3 4 5	4.1	4.5	
PACK-SHNTU5 (EN 1.4301 Equiv., Sintered)	3 4 5	4.7	3.5	

Example

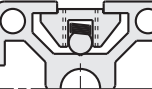
Does not fall even if the extrusion is placed vertically.
Built-in spring prevents slips.
Moves easily in the slot when pressed slightly by hand.

Thread Locking Type



Thread locking compound

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)

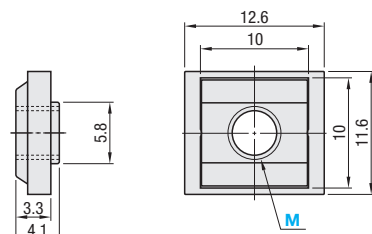
Loosening torque values are for reference. Difference may occur depending on the clearances between screws and nuts.

	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

RoHS 10

HNTE5
SHNTE5

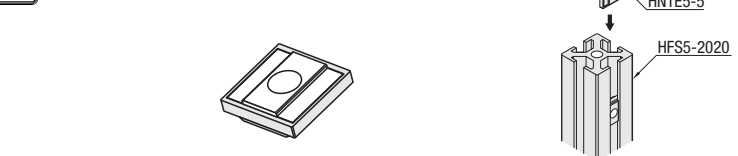


Reference Tightening Torque (N · m)	
M	S
EN 1.0301 Equiv. / EN 1.4301 Equiv.	5 6.8

Type	Main Body	Stopper	Material	Surface Treatment
① HNTE5	EN 1.0301 Equiv.		Polypropylene	Trivalent Chromate
② SHNTE5	EN 1.4301 Equiv.			-

Part Number	M	Unit Price 1 ~ 499 pc(s).	Volume Discount Rate 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.