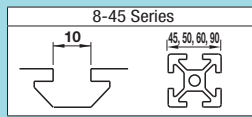


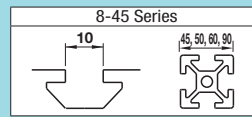
Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions - Standard

For 8-45 Series (Slot Width 10mm)

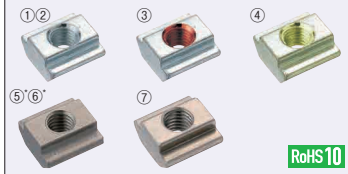


Pre-Assembly Insertion Nuts / Stoppers for Aluminum Extrusions with Temporary Holding Function - Stopper Integrated Nuts / Spring Nuts

For 8-45 Series (Slot Width 10mm)



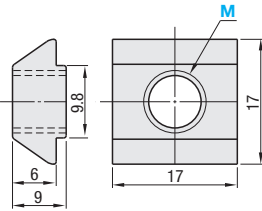
Pre-Assembly Insertion Nuts



HNTT8 (EN 1.0301 Equiv.)
PACK-HNTT8 (EN 1.0301 Equiv.)
HNTTV8 (Thread Locking Adhesive Type, EN 1.0301 Equiv.)
HNTTZ8 (Thread Locking Resin Coating Type, EN 1.0301 Equiv.)
HNTTSS8 (EN 1.4401 Equiv., Sintered)
PACK-HNTTSS8 (EN 1.4401 Equiv., Sintered)
HNTTSS8 (EN 1.4305 Equiv.)



Pre-Assembly Insertion Nuts
 Aluminum Extrusion Nuts are pre-inserted in the aluminum extrusion.
 HNTU, HNTUZ, SHNTU, HNTT, HNTTV, HNTTZ, HNTTSS, HNTTSS, HNTM



Reference Tightening Torque (N·m)	
M	EN 1.0301 Equiv. / EN 1.4401 Equiv. (Sintered) / EN 1.4305 Equiv.
8	23.5

* Electrically conductive

Type	Material	Surface Treatment
① HNTT8	EN 1.0301 Equiv.	-
② PACK-HNTT8	EN 1.0301 Equiv.	Trivalent Chromate
③ HNTTV8	Thread Locking Adhesive Type, EN 1.0301 Equiv.	-
④ HNTTZ8	Thread Locking Resin Coating Type, EN 1.0301 Equiv.	-
⑤ HNTTSS8*	EN 1.4401 Equiv. (Sintered)	-
⑥ PACK-HNTTSS8*	EN 1.4401 Equiv. (Sintered)	-
⑦ HNTTSS8	EN 1.4305 Equiv.	-

Part Number	M	Unit Price (1 ~ 10 packages)			
		1 ~ 499 pc(s)	500-749	750-999	1000-1500
HNTT8 (EN 1.0301 Equiv.)	4 5 6 8				
HNTTV8 (Thread Locking, EN 1.0301 Equiv.)	8				
HNTTZ8 (Thread Locking, EN 1.0301 Equiv.)	8				
HNTTSS8 (EN 1.4401 Equiv., Sintered)	4 5 6 8				
HNTTSS8 (EN 1.4305 Equiv.)	8				

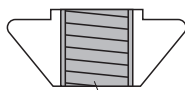
Part Number - M
 HNTT8 - 8

Bulk Packages

Part Number	M	Unit Price (1 ~ 10 packages)	
		Package Price	Price per Pkg.
PACK-HNTT8 (EN 1.0301 Equiv.)	4 5 6 8		
PACK-HNTTSS8 (EN 1.4401 Equiv., Sintered)	4 5 6 8		

When ordering HNTT8 without specifying M, HNTT8-8 is selected automatically.

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)

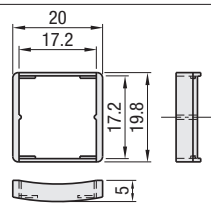
Loosening torque values are for reference. Difference may occur depending on the clearances between screws and nuts.

	Characteristics	Loosening Torque after Tightening (1st time)	Remarks
Without Thread Locker	-	17.9N·m	-
Thread Locking Adhesive Type	<ul style="list-style-type: none"> 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. 	25.6N·m	Test Conditions: Measured value (HNTTV8-8) when a screw is loosened after drying for 72 hours at room temperature (25 °C), after tightened at 23.5N·m.
Thread Locking Resin Coating Type	<ul style="list-style-type: none"> Can be used repeatedly. (Thread locking effect decreases after repeated use.) Thread locking effect is immediately seen right after tightening. 	21.8N·m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 20.3N·m Measurement with HNTTZ8-8

Pre-Assembly Insertion Stoppers



HNST8-45



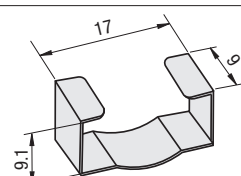
Example
 HNTT, HNTTSS, HNTTV, HNTTZ, HNTTSS, HNTTSS, HNTM
 Hold Pre-Assembly Insertion Nuts temporarily in the extrusion.
 Nuts do not fall off.

Part Number	Applicable Pre-Assembly Insertion Nut	Color	Unit Price (1 ~ 1500 pc(s))
HNST8-45	HNTT8, HNTTV8, HNTTZ8, HNTTSS8, HNTTSS8	Gray	

Pre-Assembly Insertion Metal Stoppers



SHNST8



Example
 HNTLSN (P.721), SHNST, HTDN (P.721)
 *Can also be used with Pre-Assembly Insertion Screws.

Part Number	Applicable Pre-Assembly Insertion Nut*	Unit Price (1 ~ 1500 pc(s))
SHNST8	HNTT8, HNTTV8, HNTTZ8, HNTTSS8, HNTTSS8	

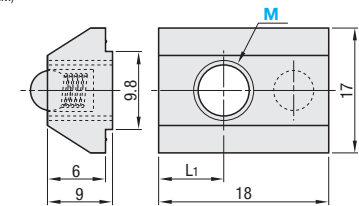
Tightening Torque P.526

Pre-Assembly Insertion Spring Nuts



HNTU8 (EN 1.0301 Equiv.)
PACK-HNTU8 (EN 1.0301 Equiv., 100/pkg.)
HNTUV8 (Thread Locking Adhesive Type, EN 1.0301 Equiv.)
HNTUZ8 (Thread Locking Resin Coating Type, EN 1.0301 Equiv.)
SHNTU8 (EN 1.4301 Equiv.)
PACK-SHNTU8 (EN 1.4301 Equiv., 100/pkg.)

Reference Tightening Torque (N·m)	
M	EN 1.0301 Equiv., EN 1.4301 Equiv. (Sintered)
8	23.5



Type	Material			Surface Treatment
	Main Body	Ball	Spring	
① HNTU8	EN 1.0301 Equiv.	EN 1.4301 Equiv.	JIS-SWP-A	Trivalent Chromate
② PACK-HNTU8	EN 1.0301 Equiv.	EN 1.4301 Equiv.	JIS-SWP-A	Trivalent Chromate
③ HNTUV8	EN 1.0301 Equiv.	EN 1.4301 Equiv.	JIS-SWP-A	Trivalent Chromate
④ HNTUZ8	EN 1.0301 Equiv.	EN 1.4301 Equiv.	JIS-SWP-A	Trivalent Chromate
⑤ SHNTU8	EN 1.4301 Equiv.	EN 1.4301 Equiv.	SUS304-WP8	-
⑥ PACK-SHNTU8	EN 1.4301 Equiv.	EN 1.4301 Equiv.	SUS304-WP8	-

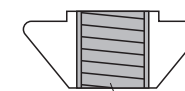
Part Number	M	L1	Unit Price (1 ~ 10 packages)			
			1 ~ 499 pc(s)	500-749	750-999	1000-1500
HNTU8 (EN 1.0301 Equiv.)	4 5 6 8	6				
HNTUV8 (Thread Locking, EN 1.0301 Equiv.)	8	6				
HNTUZ8 (Thread Locking, EN 1.0301 Equiv.)	8	6				
SHNTU8 (EN 1.4301 Equiv.)	4 5 6 8	5.5				

Ordering Example
 Part Number - M
 HNTU8 - 8

Bulk Packages

Part Number	M	L1	Unit Price (1 ~ 10 packages)	
			Package Price	Price per Pkg.
PACK-HNTU8 (EN 1.0301 Equiv.)	4 5 6 8	6		
PACK-SHNTU8 (EN 1.4301 Equiv.)	4 5 6 8	5.5		

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.



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.

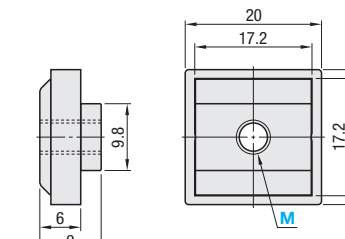
Effect of Thread Locker (Reference)

	Characteristics	Loosening Torque after Tightening (1st time)	Remarks
Without Thread Locker	-	17.9N·m	-
Thread Locking Adhesive Type	<ul style="list-style-type: none"> 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. 	25.6N·m	Test Conditions: Measured value (HNTUV8-8) when a screw is loosened after drying for 72 hours at room temperature (25 °C), after tightened at 23.5N·m.
Thread Locking Resin Coating Type	<ul style="list-style-type: none"> Can be used repeatedly. (Thread locking effect decreases after repeated use.) Thread locking effect is immediately seen right after tightening. 	21.8N·m	Thread locking effect decreases after repeated use. Loosening Torque at 5 Repeats: 20.3N·m Measurement with HNTTZ8-8

Stopper Integrated Nuts



HNTE8-45
SHNTE8-45



Reference Tightening Torque (N·m)	
M	EN 1.0301 Equiv.
8	23.5

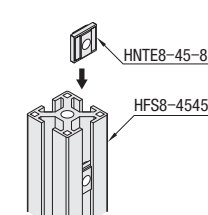
Type	Material			Surface Treatment
	Main Body	Stopper		
① HNTE8-45	EN 1.0301 Equiv.	Polypropylene	Trivalent Chromate	-
② SHNTE8-45	EN 1.4301 Equiv.	Polypropylene	Trivalent Chromate	-

Part Number	M	L1	Unit Price (1 ~ 10 packages)			
			1 ~ 499 pc(s)	500-749	750-999	1000-1500
HNTE8-45	4 5 6 8					
SHNTE8-45	4 5 6 8					

Ordering Example
 Part Number - M
 HNTE8-45 - 8



Integrated Pre-Assembly Insertion Nuts and Stoppers.



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