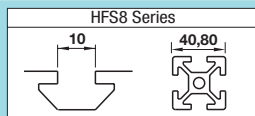




Pre-Assy. Insertion Nuts / Stoppers for Aluminum Frames - Standard
-For HFS8 Series Aluminum Frames 40, 80 Square-

Price Reduction
23%



CAD Data Folder Name: 40_Aluminum_Frames

Tightening Torque P876

Pre-Assembly Insertion Nuts **RoHS**

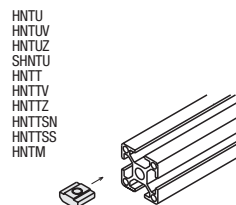


- HNTT8 (S10C Equivalent)
- HNTTV8 (Thread Locking Adhesive / S10C Equivalent)
- HNTTZ8 (Thread Locking Resin Coating / S10C Equivalent)
- HNTTSN8 (SUS316 Equivalent, Sintering)
- HNTTSS8 (SUS303)

Reference Tightening Torque (N·m)	M	S10C Equivalent / SUS316 Equivalent (Sintering) / 303
8	23.5	



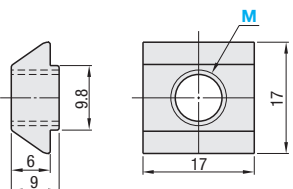
Pre-Assembly Insertion Nuts
Pre-insert the nut into the aluminum extrusion.



Type	Material	Surface Treatment
(1) HNTT8	S10C Equivalent	Trivalent Chromate
(2) HNTTV8	SUS316 Equivalent (Sintering)	-
(3) HNTTZ8	SUS303	-
(4) HNTTSN8*	SUS316 Equivalent (Sintering)	-
(5) HNTTSS8	SUS303	-

*Electrically conductive

STOCK ITEM
PRINTED IN NAVY



Part Number	M	Unit Price				Volume Discount Rate			
		1-499 pcs.	500-749	750-999	1000~	1-499 pcs.	500-749	750-999	1000~
HNTT8 (S10C Equivalent)	4 5 6 8	14	12	12	10				
HNTTV8 (Thread Locking / S10C Equivalent)	8	19	18	17	16				
HNTTZ8 (Thread Locking / S10C Equivalent)	8	21	20	19	17				
HNTTSN8 (SUS316 Equivalent, Sintering)	4 5 6 8	14	12	12	11				
HNTTSS8 (SUS303)	8	31	30	27	22				

Order Example: Part Number - M
HNTT8 - 8

Delivery: 1 Day P87

5 Days

Bulk-packages are cost effective for in-house stock and large qty. uses. (P508)

Thread Locking Type

It is a Nut with Thread locker applied on the inside of tap. Reduce loosening caused by vibration at transportation or operation of equipment.
Thread Locking Adhesive is ---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.



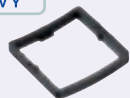
Anti-loose agent applied inside of the tap

Effect of Thread Locker (Reference) Loosening torque values are for reference. Difference may occur depending on the clearances between bolts and nuts.

Without Thread Locker	Features	Loosening torque after tightening (1st time)	Remarks
Without Thread Locker	-	17.9N·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.	25.6N·m	Test Conditions Measured value (HNTTV8-8) when a bolt is loosened after drying for 72 hours at room temperature (25 °C), after tightened at 23.5N·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.	21.8N·m	Thread locking effect decreases after repeated use. 5th loosening torque: 20.3N·m Measurement at HNTTZ8-8

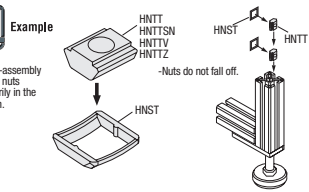
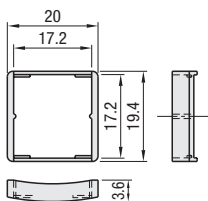
Pre-Assembly Insertion Stoppers **RoHS**

STOCK ITEM
PRINTED IN NAVY



Material: Polyamide

HNST8



Part Number	Applicable Pre-Assembly Insertion Nuts	Color	Unit Price			Volume Discount Rate		
			1-499 pcs.	500-999	1000~	1-499 pcs.	500-999	1000~
HNST8	HNTT8 HNTTV8 HNTTZ8 HNTTSN8 HNTTSS8	Black	6	5	4			

Order Example: Part Number - M
HNST8 - 8

Delivery: 1 Day P87

5 Days

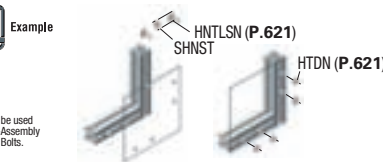
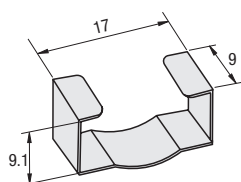
Pre-Assembly Insertion Metal Stoppers **RoHS**

STOCK ITEM
PRINTED IN NAVY



Material: SUS301

SHNST8



Part Number	Applicable Pre-Assembly Insertion Nuts	Unit Price	Volume Discount Rate	
			1-499 pcs.	500-999
SHNST8	HNTLSN (P.621) SHNST HTDN (P.621)	9	7	6

Order Example: Part Number - M
SHNST8 - 8

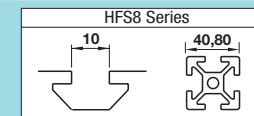
Delivery: 1 Day P87

5 Days



Pre-Assembly Insertion Nuts for Aluminum Frames
-For HFS8 Series Aluminum Frames 40, 80 Square-

Price Reduction
23%



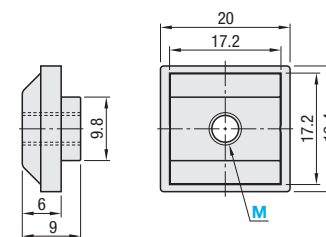
CAD Data Folder Name: 40_Aluminum_Frames

Stopper Integrated Nuts **RoHS**



Material: Body: S10C Equivalent Stopper: Polyamide
Surface Treatment: Trivalent Chromate Plating

HNTE8

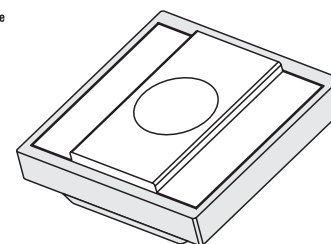


Reference Tightening Torque (N·m)	M	S10C Equivalent
8	23.5	

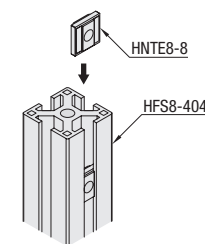
Part Number	M	Unit Price				Volume Discount Rate			
		1-499 pcs.	500-749	750-999	1000~	1-499 pcs.	500-749	750-999	1000~
HNTE8	4 5 6 8	19	17	16	14				

Order Example: Part Number - M
HNTE8 - 8

Delivery: 5 Days P87

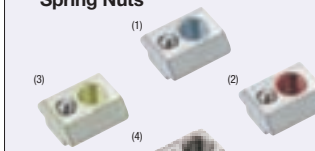


Integrated Pre-Assembly Insertion Nuts and Stoppers.



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

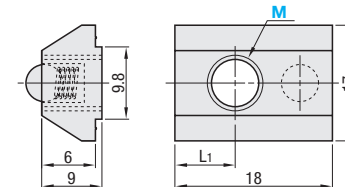
Pre-Assembly Insertion Spring Nuts **RoHS**



- HNTU8 (S10C Equivalent)
- HNTUV8 (Thread Locking Adhesive / S10C Equivalent)
- HNTUZ8 (Thread Locking Resin Coating / S10C Equivalent)
- SHNTU8 (SUS304 Equivalent)

Reference Tightening Torque (N·m)	M	S10C Equivalent / SUS304 Equivalent (Sintering)
8	23.5	

Type	Material				Surface Treatment
	Body	Ball	Springs	Surface Treatment	
(1) HNTU8	S10C	SUS304	SWP-A	Trivalent Chromate	
(2) HNTUV8	Equivalent	SUS304	SUS304-WPB	-	
(3) HNTUZ8	SUS304	SUS304	SUS304-WPB	-	
(4) SHNTU8	SUS304	SUS304	SUS304-WPB	-	

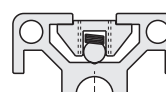


Part Number	M	L1	Unit Price				Volume Discount Rate			
			1-499 pcs.	500-749	750-999	1000~	1-499 pcs.	500-749	750-999	1000~
HNTU8 (S10C Equivalent)	4 5 6 8	6	20	19	18	17				
HNTUV8 (Thread Locking / S10C Equivalent)	8	6	25	24	23	22				
HNTUZ8 (Thread Locking / S10C Equivalent)	8	6	26	26	25	24				
SHNTU8 (SUS304 Equivalent)	4 5 6 8	5.5	29	27	26	20				

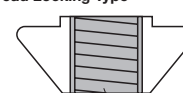
Bulk-packages are cost effective for in-house stock and large qty. uses. (P508)



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



Thread Locking Type



Anti-loose agent applied inside of the tap

It is a Nut with Thread locker applied on the inside of tap. Reduce loosening caused by vibration at transportation or operation of equipment.
Thread Locking Adhesive is ---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 bolts and nuts.

Without Thread Locker	Features	Loosening torque after tightening (1st time)	Remarks
Without Thread Locker	-	17.9N·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.	25.6N·m	Test Conditions Measured value (HNTUV8-8) when a bolt is loosened after drying for 72 hours at room temperature (25 °C), after tightened at 23.5N·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.	21.8N·m	Thread locking effect decreases after repeated use. 5th loosening torque: 20.3N·m Measurement at HNTTZ8-8