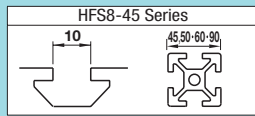


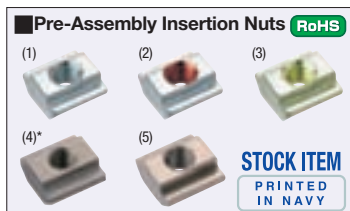


Pre-Asy. Insertion Nuts / Stoppers for Aluminum Frames - Standard
-For HFS8-45 Series Aluminum Frames 45, 50, 60, 90 Square-

Price Reduction
23%



CAD Data Folder Name: 40_Aluminum_Frames



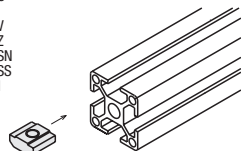
HNTT8 (S10C Equivalent)
HNTTV8 (Thread Locking Adhesive / S10C Equivalent)
HNTTZ8 (Thread Locking Resin Coating / S10C Equivalent)
HNTTSN8 (SUS316 Equivalent, Sintering)
HNTTSS8 (SUS303)

Reference Tightening Torque (N · m)	
M	S10C Equivalent / SUS316 Equivalent (Sintering) / SUS303
8	23.5

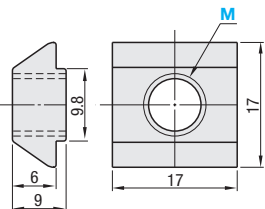


Example

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



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



*Electrically conductive

Part Number	M	Unit Price 1-499 pcs.	Volume Discount Rate		
			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



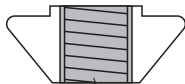
Order Example
Part Number - M
HNTT8 - 8



Delivery
1 Day P:87
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.

Effect of Thread Locker (Reference)

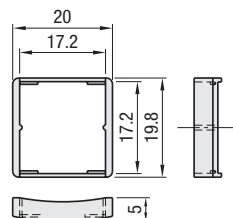
*Loosening torque values are for reference. Difference may occur depending on the clearances between bolts and nuts.

Features	Loosening torque after tightening (1st time)	Remarks
Without Thread Locker	17.9N · m	-
Thread Locking Adhesive Type	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	21.8N · m	Thread locking effect decreases after repeated use. 5th loosening torque: 20.3N · m Measurement at HNTTZ8-8

Pre-Assembly Insertion Stoppers

STOCK ITEM
PRINTED IN NAVY

HNST8-45



Example

*Pre-assy insertion nut is held temporarily in the extrusion.
*Nut does not fall off.

Part Number	Applicable Pre-Assembly Insertion Nuts	Color	Unit Price 1-499 pcs.	Volume Discount Rate 500-999	1000~
HNST8-45	HNTT8 HNTTV8 HNTTZ8 HNTTSN8 HNTTSS8	Gray	6	5	4



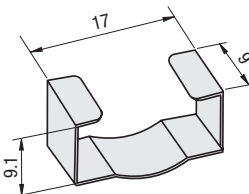
Order Example
Part Number
HNST8-45

Delivery
1 Day
5 Days P:87

Pre-Assembly Insertion Metal Stoppers

STOCK ITEM
PRINTED IN NAVY

SHNST8



Example

*Can also be used with Pre-Assembly Insertion Bolts.

Part Number	Applicable Pre-Assembly Insertion Nuts	Unit Price 1-499 pcs.	Volume Discount Rate 500-999	1000~
SHNST8	HNTT8 HNTTV8 HNTTZ8 HNTTSN8 HNTTSS8	9	7	6



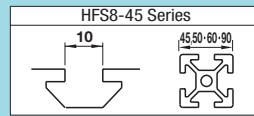
Order Example
Part Number
SHNST8

Delivery
1 Day
5 Days P:87



Pre-Asy. Insertion Nuts / Stoppers for Aluminum Frames With Temporary Holding Function -Stopper Integrated Nuts / Spring Nuts-
-For HFS8-45 Series Aluminum Frames 45, 50, 60, 90 Square-

Price Reduction
23%



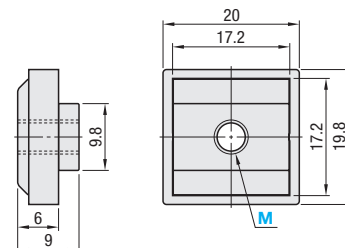
CAD Data Folder Name: 40_Aluminum_Frames

Stopper Integrated Nuts

HNTE8-45



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



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

Part Number	M	Unit Price 1-499 pcs.	Volume Discount Rate		
			500-749	750-999	1000~
HNTE8-45	4 5 6 8	19	18	17	17



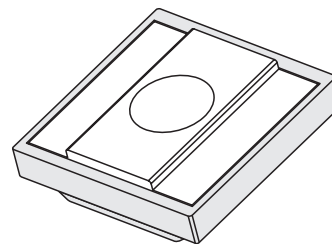
Order Example
Part Number - M
HNTE8-45 - 8



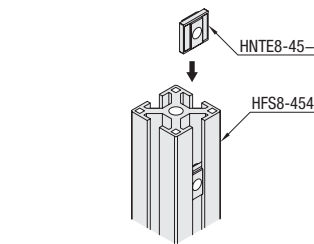
Delivery
5 Days P:87



Example



Integrated Pre-Assembly Insertion Nuts and Stoppers.



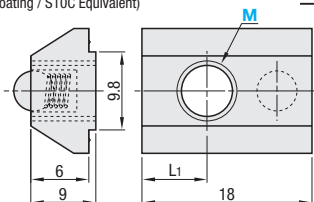
The nuts do not slip off even inserted into the vertically-placed extrusions.

Pre-Assembly Insertion Spring Nuts

RoHS

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

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



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

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



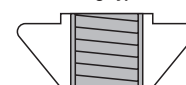
Order Example
Part Number - M
HNTU8 - 8



Delivery
5 Days P:87

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

Thread Locking Type



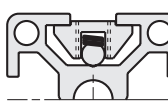
It is a Nut with Thread locker applied on the inside of tap. Reduce loosening caused by vibration at transportation or operation of equipment.
Thread Locking Adhesive is ---A microencapsulated anaerobic adhesive prevents thread loosening. Note that it requires a hardening time (72 hours at room temperature 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.



Example

- 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.



Effect of Thread Locker (Reference)

Features	Loosening torque after tightening (1st time)	Remarks
Without Thread Locker	17.9N · m	-
Thread Locking Adhesive Type	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	21.8N · m	Thread locking effect decreases after repeated use. 5th loosening torque: 20.3N · m Measurement at HNTTZ8-8