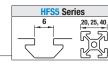
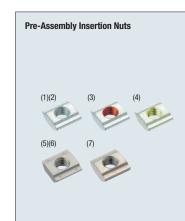
Aluminum Extrusions & Brackets

Pre-Assembly Insertion Nuts

HFS5 Series (Aluminum Extrusions 20, 25, 40 mm Square)





HNTT5 (1010 Carbon Steel) PACK-HNTT5 (1010 Carbon Steel, 100/pkg.) HNTTV5 (Thread Locking Adhesive Type, 1010 Carbon Steel) HNTTZ5 (Thread Locking Resin Coating, 1010 Carbon Steel) HNTTSN5 (316 Stainless Steel, Sintering)

PACK-HNTTSN5 (316 Stainless Steel, Sintering, 100/pkg.) HNTTSS5 (303 Stainless Steel Equivalent)

Туре	Material	Surface Treatmen
(1) HNTT5 (2) PACK-HNTT5 (3) HNTTV5 (4) HNTTZ5	1010 Carbon Steel Equivalent	Trivalent Chromate
(5) HNTTSN5* (6) PACK-HNTTSN5*	316 Stainless Steel Equivalent (Sintering)	_
(7) HNTTSS5	303 Stainless Steel Equivalent	

_	
	Reference Tightening Torque (N·m)
М	1010 Carbon Steel / 316 Stainless Steel (Sintering) / 303 Stainless Steel Equivalent

Part Number		М		E	T
HNTT5 (1010 Carbon Steel)	3	4	5		
HNTTV5 (Thread Locking, 1010 Carbon Steel)			5	3.3	4.1
HNTTZ5 (Thread Locking, 1010 Carbon Steel)			5		
HNTTSN5 (316 Stainless Steel, Sintering)	3	4	5	3.5	4.3
HNTTSS5 (303 Stainless Steel Equivalent)			5	3.3	4.1

* Electrically conductive

Bulk Packages

Part Number		М	
PACK-HNTT5 (1010 Carbon Steel)	3	4	5
PACK-HNTTSN5 (316 Stainless Steel, Sintering)	3	4	5





Thread Locking Type



Nuts with thread locker applied on the inside of tap. Reduce loosening caused by vibration at transportation or 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)

O 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	_	5.2 N.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.	7.6 N.m	Test Conditions: Measured Value (HNTTV5-5) when a bolt is loosened after drying for 72 hours at room temperature (25°C), after tightened at 6.8 N.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.	6.5 N.m	Thread locking effect decreases after repeated use. 5th loosening torque: 6.2 N.m Measurement at HNTTZ5-5

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



Application Example

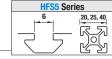
Pre-Assembly Insertion Nuts Nuts are pre-inserted in the aluminum extrusion.

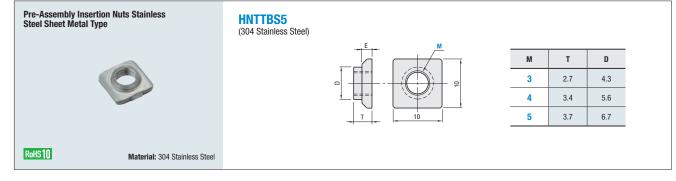
HNTU HNTUZ HNTTBS HNTTV HNTUV SHNTU HNTTZ HNTTSS



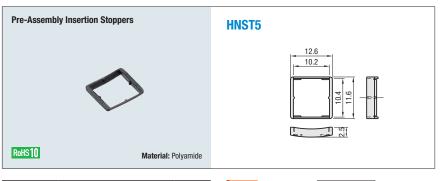
Pre-Assembly Insertion Nuts / Stoppers

HFS5 Series (Aluminum Extrusions 20, 25, 40 mm Square)

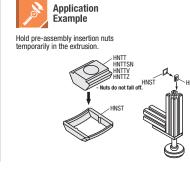




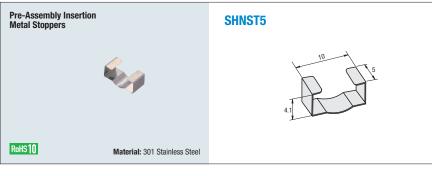
Part Number		М		E	Т	Part Number Example
HNTTBS5 (304 Stainless Steel)	3	4	5	2.0	Above Table	Example



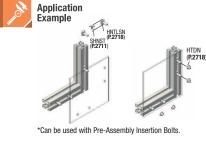




HNTTBS5



Part Number	Applicable Pre-Assembly Insertion Nuts
SHNST5	HNTT5 HNTTV5 HNTTZ5 HNTTSN5 HNTTSS5





Part Number Part Number