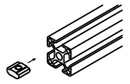
Nuts for Aluminum Extrusions - Overview
For 5 Series (Slot Width 6mm)

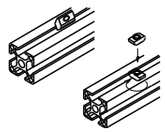
■Nuts for Aluminum Extrusions - Overview

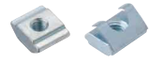
MISUMI offers variety of Pre-Assembly or Post-Assembly Insertion Nuts for Aluminum Extrusions. Select an applicable type specific to your application.

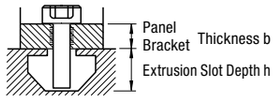
Pre-Assembly Insertion: Insert from the slot ends before assembly. Large width causes less plays in the slots, making screw tightening easy.



Post-Assembly: Mountable from slots after assembly.



Type	Photo	Features	Pre-Assembly Material Steel	Pre-Assembly Material Stainless Steel	Pre-Assembly Page Single Item	Pre-Assembly Page Package	Post-Assembly Material Steel	Post-Assembly Material Stainless Steel	Post-Assembly Page Single Item	Post-Assembly Page Package
Standard		Most standard and economical products. Can be connected temporarily in combination with optional stoppers.	○	○	P.559	P.558	○	○	P.562	P.558
Temporary Holding (Ball Spring)		Can be moved in the extrusions smoothly. Temporary holding is repeatedly possible.	○	○	P.560	P.558	○	○	P.563	P.558
Temporary Holding (Leaf Spring)		Secure temporary holding with springs on both sides.	-	-	-	-	○	○	P.563, 564	P.564
Temporary Holding (Resin Stopper)		Resin stopper on outer circumference prevents aluminum extrusions from being scratched when mounting temporarily.	○	○	P.560	-	-	-	-	-
Post-Assembly Rotational		Insert the nut into the exrusion and turn it in the slot. Large nut width prevents plays.	-	-	-	-	○	○	P.562	-
With Lock		Included set screw enables nut fixing. Convenient where panes and covers are removed frequently.	○	-	P.561	-	○	○	P.564	-
Thread Locking Adhesive Type		Reduces loosening due to vibrations caused by transfer or equipment moves. One-time use and repeated use types are available.	○	-	P.559, 560	-	○	-	P.562, 563	-
Compact (Short Nuts)		Usable with narrow pitch when multiple nuts are lined in the slots. (40% shorter than the standard width)	○	-	P.561	P.561	○	-	P.564	P.564
Square Nuts		Sheet metal type: more economical than standard nuts.	○	○	P.561	P.561	-	-	-	-
Screw Integrated		Requires less time for screw tightening.	-	○	P.565	-	-	○	P.565	-
Long Nut		Workpieces such as Linear Guides are mountable with desired pitches.	○	○	P.566	-	○	○	P.566	-



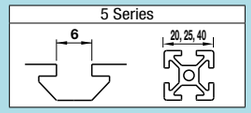
■Aluminum Extrusions and Applicable Screws to Mount Panes / Brackets (Size M - L Dim.)

Slot Width	Extrusion Square	Depth h	Applicable Nut HNTT	Panels / Brackets Thickness b (mm) to be mounted on extrusions													
				0.8	1	1.2	1.5	2	3	4	4.5	5	6	8.2	9	10	12	14
6	20	6	5-3	M3-6					M3-8		M3-10			M3-12		M3-15		M3-18
			5-4	M4-6					M4-8		M4-10			M4-12		M4-15		M4-18
			5-5	×					M5-8		M5-10			M5-12		M5-15		M5-18

"×" means there is no applicable screw. Use one size smaller tapped products.

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Malaysia, Indonesia, and/or India offices.

Nuts for Aluminum Extrusions - Bulk Packages
For 5 Series (Slot Width 6mm)

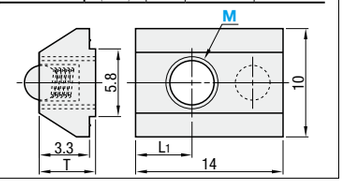


■**Features:** Bulk packages are cost effective for in-house stock or large quantity uses.

■Pre-Assembly Insertion Spring Nuts - Pack (100/Pkg.)

RoHS

Type	M Material Main Body	Ball	Spring	S Surface Treatment
PACK-HNTU	S10C Equivalent	SUS304	SWP-A	Trivalent Chromate
PACK-SHNTU	SUS304 Equivalent (Sintered)	SUS304	SUS304-WP8	-



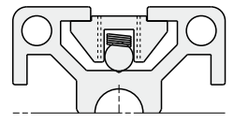
Part Number Type	No.	M	T	L1	Unit Price (1 ~ 10 packages) Package Price	Price per Pkg.
PACK-HNTU	5	3 4 5	4.1	4.5		
PACK-SHNTU			4.7	3.5		

100 pcs. per package

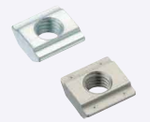
Example

• 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.

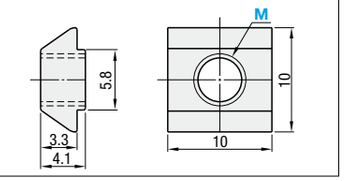


■Pre-Assembly Insertion Spring Nuts - Pack (100/Pkg.)



RoHS

Type	M Material	S Surface Treatment
PACK-HNTT	S10C Equivalent	Trivalent Chromate
PACK-HNTTSN	SUS316 Equivalent (Sintered)	-



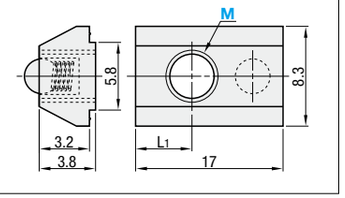
Part Number Type	No.	M	Unit Price (1 ~ 10 packages) Package Price	Price per Pkg.
PACK-HNTT	5	3 4 5		
PACK-HNTTSN				

100 pcs. per package

■Post-Assembly Insertion Spring Nuts - Pack (100/Pkg.)

RoHS

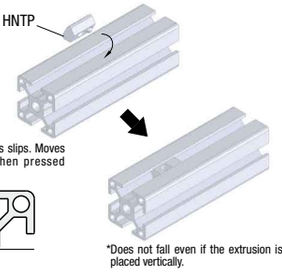
Type	M Material Main Body	Ball	Spring	S Surface Treatment
PACK-HNTP	S10C Equivalent	SUS304	SWP-A	Trivalent Chromate
PACK-SHNTP	SUS304 Equivalent (Sintered)	SUS304	SUS304-WP8	-



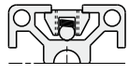
Part Number Type	No.	M	L1	Unit Price (1 ~ 10 packages) Package Price	Price per Pkg.
PACK-HNTP	5	3 4 5	6		
PACK-SHNTP			6.5		

100 pcs. per package

Example



Built-in spring prevents slips. Moves easily in the slot when pressed slightly by hand.

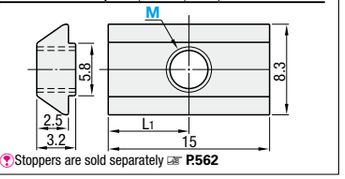


*Does not fall even if the extrusion is placed vertically.

■Post-Assembly Insertion Stopper Nuts / Pack (100/Pkg.)

RoHS

Type	M Material	S Surface Treatment
PACK-HNTA	S10C Equivalent	Trivalent Chromate
PACK-HNTASN	SUS316 Equivalent (Sintered)	-

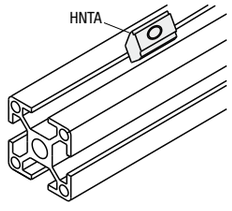


Stoppers are sold separately ☞ P.562

Part Number Type	No.	M	L1	Unit Price (1 ~ 10 packages) Package Price	Price per Pkg.
PACK-HNTA	5	3 4	6.5		
		5	6		
PACK-HNTASN		3 4 5	6		

100 pcs. per package

Example



Ordering Example: Part Number - M

PACK-HNTA5 - 4