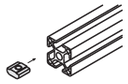
Nuts for Aluminum Extrusions - Overview

For 5 Series (Slot Width 6mm)

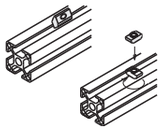
■Nuts for Aluminum Extrusions - Overview

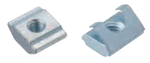
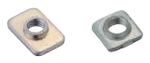
MISUMI offers variety of Pre-Assembly or Post-Assembly Insertion Nuts for Aluminum Extrusions. Select an applicable type specific to your application.

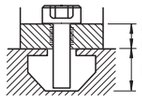
Pre-Assembly Insertion: Insert from the slot ends before assembly. Large width causes less plays in the slots, making screw tightening easy.



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	-



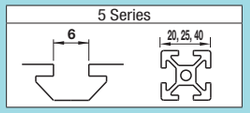
■Aluminum Extrusions and Applicable Screws to Mount Panes / Brackets (Size M - L Dim.)

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.

Nuts for Aluminum Extrusions - Bulk Packages

For 5 Series (Slot Width 6mm)

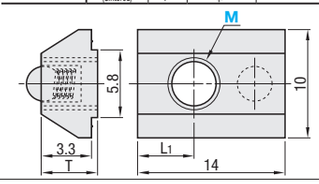


■**Features:** Bulk packages are cost effective for in-house stock or large quantity uses.

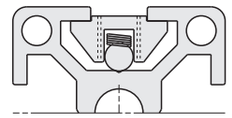
■Pre-Assembly Insertion Spring Nuts - Pack (100/Pkg.)

RoHS10

Type	M Material Main Body	Ball	Spring	S Surface Treatment
PACK-HNTU	EN 1.0301 Equiv.	EN 1.4301 Equiv.	JIS-SWP-A	Trivalent Chromate
PACK-SHNTU	EN 1.4301 Equiv. (Sintered)	EN 1.4301 Equiv.	EN 1.4301 WPB Equiv.	-



Example



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

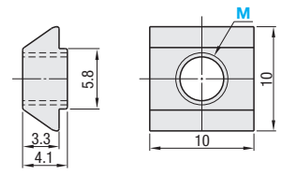
Built-in spring prevents slips. Moves easily in the slot when pressed slightly by hand.

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

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

Type	M Material	S Surface Treatment
PACK-HNTT	EN 1.0301 Equiv.	Trivalent Chromate
PACK-HNTTSN	EN 1.4401 Equiv. (Sintered)	-



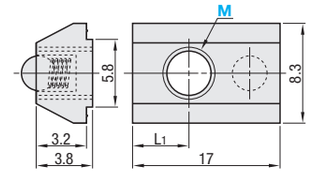
Part Number Type	No.	M			Unit Price (1 ~ 10 packages) Package Price	Price per Pkg.
PACK-HNTT	5	3	4	5		
PACK-HNTTSN						

100 pcs. per package

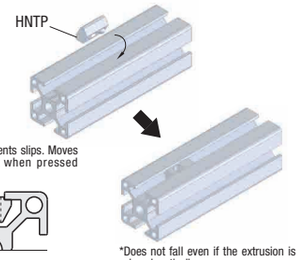
■Post-Assembly Insertion Spring Nuts - Pack (100/Pkg.)

RoHS10

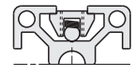
Type	M Material Main Body	Ball	Spring	S Surface Treatment
PACK-HNTP	EN 1.0301 Equiv.	EN 1.4301 Equiv.	JIS-SWP-A	Trivalent Chromate
PACK-SHNTP	EN 1.4301 Equiv. (Sintered)	EN 1.4301 Equiv.	SUS304-WP8	-



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.

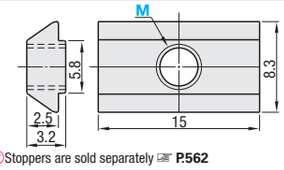
Part Number Type	No.	M			L1	Unit Price (1 ~ 10 packages) Package Price	Price per Pkg.
PACK-HNTP	5	3	4	5	6		
PACK-SHNTP					6.5		

100 pcs. per package

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

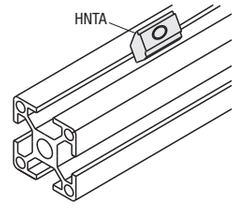
RoHS10

Type	M Material	S Surface Treatment
PACK-HNTA	EN 1.0301 Equiv.	Trivalent Chromate
PACK-HNTASN	EN 1.4401 Equiv. (Sintered)	-



Stoppers are sold separately ☞ P.562

Example



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

100 pcs. per package

Ordering Example

Part Number	-	M
PACK-HNTA5	-	4