

# Blind Joints - Overview

## For 6 Series (Slot Width 8mm) Aluminum Extrusions

# Blind Joint Components

## Tapping Joints / TJ Plates / Torx Bits for 6 Series (Slot Width 8mm) Aluminum Extrusions

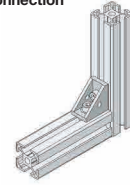
Alterations necessary to use this component

Wrench Hole  
P.759

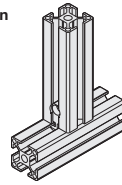
### Features of Blind Joints

Connection inside of the extrusions provides good appearance. Also convenient where interference inside of the corners are not desired or panels need to be inserted into the extrusion slots.

Bracket Connection



Blind Joint Connection



### Product List

Product Name	Tapping Joints	Screw Joints	Simple Joints	Center Joint
Product Photo				
Features	•Tapping is not necessary. •Most economical Blind Joints.	•Joint Plate enables secure and economical connection.	•Wrench holes are not required. Requires only one screw for tightening.	•Most standard Blind Joints usable with various types of aluminum extrusions.
Installation Diagram				
Material	SWCH-18A	Steel or SUS304	S45C, SCM435	SCS13
Representative Type	HTJ	HCJ	HUJ	HMJ
Applicable Extrusion No.	5   6   8	5   6   8   8-45	6	5   6   8   8-45
Page	P.602	P.603	P.604	P.605
Alterations (pages) required for extrusions	Wrench Hole P.759	Tapping / Wrench Hole P.757, P.754	Tapping P.757	M Hole P.766

Product Name	Post-Assembly Insertion Double Joints	Single Joints	Pre-Assembly Insertion Double Joints	Parallel Joints
Product Photo				
Features	•Connects securely at two locations. Tightest connection can be achieved of all Blind Joints.	•D holes added on the extrusions do not penetrate to the flat surface. Blind Joints with very good appearance.	•Can be used for various applications such as to extend extrusions as well as mounting to plates.	•Extrusions can be connected in parallel.
Installation Diagram				
Material	SCS13 / SUS304 Equivalent	Steel or SUS304	SUS316 Equivalent / SUS304	SCS13 · SUS304
Representative Type	HPJN	HSJ	HDJSN	HLJ
Applicable Extrusion No.	5   6   8   8-45	6   8   8-45	6   8   8-45	5   6   8
Page	P.607	P.609	P.611	P.613
Alterations (pages) required for extrusions	M Hole P.766	Wrench Hole / D Hole P.759, 764	S Hole P.765	L Hole P.767

Features: Necessary alteration is only for wrench holes. Most economical Blind Joints. Dedicated Torx Bit is required for tightening.

### Tapping Joints

(Reference) Corner section when using this joint

HTJ

Material: SWCH-18A (Carburized)  
Surface Treatment: Trivalent Chromate  
\*SWCH-18A (Cold Forged Carbon Steel Wire)

\* Tapping on the extrusion is not necessary.

Part Number	Torx Bit	Applicable Extrusion (Pilot Hole Dia.)	Proper Tightening Torque (Max.)	Unit Price 1~99 pc(s).	Volume Discount Rate 100~200
HTJ	6	HTJXL40	06.8	24N · m	

Tapping Joints	Applicable Extrusion No.	[Exception] Extrusion Not Available	
HTJ6	6-3030* 6-5050 6-6060	6-3060 6-3090 6-100100 6-60120	*Curved HFSR6-3030 cannot be used, because Wrench Hole Machining is not allowed. Not applicable to HFS6-5050, HFSB6-5050, HFSL6-5050, HFST6-5050, NFS6-5050, HFS6-6060, HFSB6-6060, HFST6-6060, NFS6-6060, NFSB6-6060, HFS6-50100, HFSB6-50100, NFS6-50100.

### Torx Bit

HTJXL

Material: SNCM447

Part Number	Applicable Drive for Torx Bit	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
HTJXL	40	T40	

Ordering Example

Part Number  
HTJ6  
HTJXL40

Example

How to Connect Tapping Joints (Tapped holes are not required for extrusion connection.)

Step	1	2	3
Description	Tighten temporarily the tapping joint on extrusion end face. (Refer to appropriate tightening torque above.)	Pass the head of tapping joint through the slot of Extrusion (B), and slide it down to the bottom of (A).	Pass the Torx Bit through wrench hole, and tighten it by a motorized screw driver.
Tapping Joints			
	* Tapped holes are not required.		