

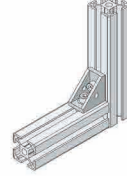
Blind Joints - Overview

For 8 Series (Slot Width 10mm) Aluminum Extrusions

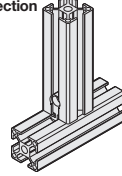
Features of Blind Joints

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	Center Joint
Product Photo			
Features	<ul style="list-style-type: none"> Tapping is not necessary. Most economical Blind Joints. 	<ul style="list-style-type: none"> Joint Plate enables secure and economical connection. 	<ul style="list-style-type: none"> Most standard Blind Joints usable with various types of aluminum extrusions.
Installation Diagram			
Material	SWCH-18A	Steel or SUS304	SCS13
Representative Type	HTJ	HCJ	HMJ
Applicable Extrusion No.	5 6 8	5 6 8 8-45	5 6 8 8-45
Page	P660	P660	P662
Alterations (pages) required for extrusions	Wrench Hole P.759	Tapping / Wrench Hole P.757, 759	M Type Hole P.766

Product Name	Post-Assembly Insertion Double Joints	Single Joints	Pre-Assembly Insertion Double Joints	Parallel Joints
Product Photo				
Features	<ul style="list-style-type: none"> Connects securely at two locations. Tightest connection can be achieved of all Blind Joints. 	<ul style="list-style-type: none"> D type holes added on the extrusions do not penetrate to the flat surface. Blind Joints with very good appearance. 	<ul style="list-style-type: none"> Can be used for various applications such as to extend extrusions as well as mounting to plates. 	<ul style="list-style-type: none"> 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	P663	P661	P663	P664
Alterations (pages) required for extrusions	M Type Hole P.766	Wrench Hole / D Type Hole P.759, 764	S Type Hole P.765	L Type Hole P.767

Blind Joint Components

Tapping Joints / Screw Joints for 8 Series (Slot Width 10mm) Aluminum Extrusions

For details of fastening method, see P.602-603. Alterations necessary to use this component

Wrench Hole P.759 Tapping P.757

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

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

Tapping on the extrusion is not necessary.

Part Number	Type	No.	Torx Bit	Applicable Extrusion (Pilot Hole Dia.)	Proper Tightening Torque (Max.)	Unit Price	Volume Discount Rate
HTJ		8	HTJXL40	Ø10.5	74N·m	1~99 pc(s)	100~200

For orders larger than indicated quantity, please check with WOS.

Applicable Extrusion No.	[Exception] Extrusion Not Available
8-4040* 8-4080 8-40120 8-40160	* Curved HFSR8-4040 is not applicable since wrench holes cannot be added.

Example

Torx Bit

HTJXL

Material: SNCM447

Features: Cost saving blind joints. Including Rotation Stoppers.

Screw Joints

H CJ (Trivalent Chromate)

(Reference) Corner section when using this joint

Material: SCM435
Surface Treatment: Trivalent Chromate

Type	Components	Material	Surface Treatment
H CJ	Screw Joint Plate	SCM435 SPCC	Trivalent Chromate

Example

Part Number	Type	No.	Components	Unit Price	Volume Discount Rate
H CJ		8	(A) Screw M12 (B) Joint Plate 8	1~99 pc(s)	100~200

Ordering Example: Part Number HTJ8

Applicable Extrusion No.	[Exception] Extrusion Not Available
8-4040* 8-4080 8-40120 8-40160	* Curved HFSR8-4040 cannot be used, because Wrench Hole Machining is not allowed.

Features: Screw joint installable without alterations. (Wrench holes are necessary on the mating extrusion.)

Aluminum Extrusions with Built-in Screw Joints

JFSC8-4040L (Left End Face Screw Joint Pre-Inserted Type)

JFSC8-4040W (Both End Face Screw Joints Pre-Inserted Type)

Part Name	Material	Surface Treatment
Aluminum Extrusion	AGN01SS-T5	Anodize
Screw	SCM435	Trivalent Chromate
Joint Plate	SPCC	

Wrench holes are necessary on the mating extrusion.

Part Number	Joint Component	L	Extrusion	Built-in Joint Component	A	Required Wrench for Tightening	Extrusion Unit Price	Others
JFSC	8-4040	100~4000	HFS8-4040 (P631)	H CJ8	1 2	40 For M12	Less than 300mm 300mm or more	Joints, Others

Ordering Example: Part Number JFSC8-4040L - 1200

Alterations Alterations only on this page are available.

Alterations	Code	Spec.		
		Extrusion	Tap	Depth
Right End Face Tapping	RTP	8-4040	M12	36

Applicable to Left End Pre-Inserted Type only.

Alterations	Code	Spec.		
		Extrusion	H	Hole Dia.
Right End Face Wrench Hole	RCH RCV	8-4040	20	8

Applicable to Left End Pre-Inserted Type only.