

# Blind Joint Components

Single Joint Kits for 8-45 Series (Slot Width 10mm) Aluminum Extrusions

For details of fastening method, see P.609.  
Alterations necessary to use this component  
Wrench Hole P.759 D Type Hole Alterations P.764

# Blind Joint Components

Center Joint Kits for 8-45 Series (Slot Width 10mm) Aluminum Extrusions

For details of fastening method, see P.605.  
Alterations necessary to use this component  
M Type Hole Alterations P.766

Features: D type holes (SS400) on the extrusions do not penetrate to the flat surface. Blind Joints with very good appearance.

**Single Joint Kits Standard Type**

Type	Components					
	① Joint Nut		② Plate		③ Screw	
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment
HSJ	SS400	Trivalent Chromate	SPCC	Trivalent Chromate	SCM435	Trivalent Chromate
HSJS, HSJNS	SUS316 Equivalent SUS304	-	SUS304	-	SUS304	-

• **Single Joint Kits - Standard**  
Use it when edges of two extrusions are connected perpendicularly, after a hole is drilled in each extrusion.

• **Single Joint Kits - Narrow**  
Shape of Narrow Type has altered so that its joint section does not collide with the panel when the panel is inserted into the extrusion slot.

**HSJ (Steel Type)**  
**HSJS, HSJNS (Stainless Steel Type)**

① Joint Nut (SS400) Stainless Steel Nut (SUS304 / SUS316 Equivalent, Sintered)  
② Joint Plate (SPCC) Stainless Steel Plate (SUS304)  
② Narrow Type Joint Plate Narrow Plate (SUS304)

**Single Joint Kits - Standard / Narrow** Refer to the table on the right for the application to each extrusion.

Type	Part Number	No.	① Joint Nut (1 pc.)	② Joint Plate (1 pc.)	③ Hex Socket Button Head Cap Screw (1 pc.)	Unit Price	Volume Discount Rate
	Type					1-99 pc(s), 100-200	
Standard Type	HSJ	8-45	Nut 8-45	Plate 8-45	Button Head Cap Screw M6-25		
	HSJS (Stainless Steel)		Stainless Steel Nut 8-45	Stainless Steel Plate 8-45	Button Head Cap Screw Stainless Steel M6-25		
Narrow Type	HSJNS (Stainless Steel Type)		Stainless Steel Nut 8-45	Narrow Plate 8-45	Button Head Cap Screw Stainless Steel M6-25		

\* Not applicable to 45 Square Light Type Series (HFSL8-45).  
For orders larger than indicated quantity, please check with WOS.

**Dimension of Joint Plate**

Type	Size	N	A	SPCC				SUS304/SUS316 Equivalent					
				B	L	T	t	B	E	L	T	t	K
Plate	8-45	8.5	10	18	38	12	2.0	18	-	43	12	2.0	-
Narrow Plate	8-45	8.5	6	-	-	-	-	18	3.5	39	12	2.0	19.2

Ordering Example: Part Number HSJ8-45

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

**Single Joints Aluminum Extrusions with Built-in**

**JFSS8-4545L** (Left End Face Single Joint Pre-Inserted Type)  
**JFSS8-4545W** (Both End Face Single Joints Pre-Inserted Type)

L (Extrusion Length)  
L (Extrusion Length)

Single Joint, Narrow Type  
Single Joint, Narrow Type

Wrench holes are necessary on the mating extrusion.

Wrench Hole  
HFS8-4545 (Wrench Hole Machining)

Joint components will be shipped loosely tightened.

Part Name	Material	Surface Treatment
Aluminum Extrusion	A6N01SS-T5	Anodize
Joint Plate	SUS304	-
Joint Nut	SUS316 Equivalent	-
Hex Socket Button Head Cap Screw	SUSXM7	-

Part Number	Joint Component	L 0.5mm Increment	Extrusion	Built-in Joint Component Single Joints	Quantity	A	Required Wrench for Tightening	Extrusion Unit Price Less than 300mm 300mm or more	Joints, Others
JFSS	8-4545	L (Left End Face only) W (Double End Faces)	100-4000	HFS8-4545 (P.681)	1 2	45	For M8		

Ordering Example: Part Number - L JFSS8-4545L - 1200

Alterations Alterations only on this page are available.

Alterations	Code	Spec.			Alterations	Code	Spec.		
		Extrusion	Tap	Depth			Extrusion	H	Hole Dia.
Right End Face Tapping	RTP	8-4545	M12 (Heli-Coil Insert)	18	Right End Face Wrench Hole	RCH	8-4545	22.5	8
Applicable to Left End Pre-Inserted Type only.						RCV			

Extrusions Applicable to Single Joint (Not applicable to extrusions not listed in the table.)

Features	Extrusion		
	Type	No.	Applicable Single Joint
Four-Side Slots	HFS8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	GFS8	4590	HSJ8-45 HSJS8-45 HSJNS8-45
	EFS8	45180	HSJ8-45 HSJS8-45 HSJNS8-45
3-Side Slot 1 Side Flat	HFST8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	GFST8	4545	-
Two-Side Slots Two Flats	HFST8	4545	-
	GFST8	4545	-
Two Slots on Opposite Sides	HFSH8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	EFSH8	4545	-
One-Side Slot Three Flats	HFSC8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	EFSC8	4545	-
Light Type	HFSL8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	HFSLF8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	HFSLT8	4545	-
	HFSLB8	4590	HSJ8-45 HSJS8-45 HSJNS8-45
Black Anodize	HFSLB8	4590	HSJ8-45 HSJS8-45 HSJNS8-45
	HFSTB8	4545	HSJ8-45 HSJS8-45 HSJNS8-45

Features: Requires only one screw for tightening. Work efficiency enhancing anti-rotation type is added.

**Center Joint Kits Pre-Assembly Insertion Type** (Standard Direction) (90-Degree Rotated)

**Center Joint Kits** Post-Assembly Insertion Type With Rotation Stopper

**Joint-Guide (Standard)** **Pre-Assembly Insertion Center Post Standard Direction** **Post-Assembly Insertion Center Post**

**Joint-Guide (with Rotation Stopper)** For center posts No.8-45, Extrusion Mating Section (Ø12) is provided as below.

\* For 8-45

Center Joint No.	Applicable Extrusion No.	[Exception] Extrusion Not Available
5	8-4545*1	*1 HFSL8-4545, HFSLF8-4545, HFSLT8-4545 and HFSLB8-4590 cannot be used because the thickness of slot extrusion is different. Curved HFSLB8-4545 is not applicable since wrench holes cannot be added.
6	8-4590*1	
8	8-45180*2	*2 Cannot be used in the long side direction because standard hole machining is not allowed.
8-45		

Part Number	Type	No.	Center Post	Quantity	Joint Guide	Quantity	Set Screw	Quantity	Unit Price	Volume Discount Rate
HMJ	Pre-Assembly Insertion Standard Direction Type	8-45	Pre-Assembly Insertion Center Post 8-45	1	Joint Guide 8-45	1	M6x20	1	1-99 pc(s), 100-200	
HMJR	Pre-Assembly Insertion 90-Degree Rotated Type	8-45	Pre-Assembly Insertion Center Post 8-45 Rotated	1	Joint Guide 8-45	1	M6x20	1		
HAMJ	Post-Assembly Insertion Type	8-45	Post-Assembly Insertion Center Post 8-45	1	Joint Guide 8-45	1	M6x20	1		

Example: Pre-Assembly Insertion Standard Direction Type (HMJR) Pre-Assembly Insertion 90-Degree Rotated Type (HMJR) Connecting extrusions with 2 or more slots on one side: Insert joint guide from the both sides of M type hole, and connect and tighten it with two or more center joints. For extrusions with three slots, holes are not provided on the center slot. (For extrusions with four rows of slots, all slots are drilled.) 2-slotted extrusions can be connected by using two Center Joint kits. 3-slotted extrusions are connected using two outside slots only.

Features: Center joint installable without alterations. (No holes are required on the mating extrusion.)

**Aluminum Extrusions with Built-in Center Joints**

**JFSM8-4545L** (Left End Face Center Joint Pre-Inserted Type)  
**JFSM8-4545W** (Both End Face Center Joints Pre-Inserted Type)

L (Extrusion Length)  
L (Extrusion Length)

Center Joint  
Center Joint

Joint components will be shipped loosely tightened.

Part Name	Material	Surface Treatment
Aluminum Extrusion	A6N01SS-T5	Anodize
Center Post	SCS13	-
Joint Guide	SUS304	-
Set Screw	SCM435	Black Oxide Film

Part Number	Joint Component	L 0.5mm Increment	Extrusion	Built-in Joint Component Single Joints	Quantity	A	Required Wrench for Tightening	Extrusion Unit Price Less than 300mm 300mm or more	Joints, Others
JFSM	8-4545	L (Left End Face only) W (Double End Faces)	100-4000	HFS8-4545 (P.681)	1 2	45	For M8		

Alterations Alterations only on this page are available.

Alterations	Code	Spec.			Alterations	Code	Spec.		
		Extrusion	Tap	Depth			Extrusion	H	Hole Dia.
Right End Face Tapping	RTP	8-4545	M12 (Heli-Coil Insert)	18	Right End Face Wrench Hole	RCH	8-4545	22.5	8
Applicable to Left End Pre-Inserted Type only.						RCV			