

# 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	SUS316 Equivalent	-	SUS304	-	SUS304	-
HSJNS	SUS316 Equivalent	-	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 (SUS304)

**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
	NEFS8	45180	HSJ8-45 HSJS8-45 HSJNS8-45
3-Side Slot 1 Side Flat	HFSF8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	GFSF8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
Two-Side Slots Two Flats	HFSH8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	GFSH8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
Two Slots on Opposite Sides	HFSB8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	EFSB8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
One-Side Slot Three Flats	HFS8C	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	EF8C	4545	HSJ8-45 HSJS8-45 HSJNS8-45
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	HFSB8	4590	HSJ8-45 HSJS8-45 HSJNS8-45
	EF8B8	4590	HSJ8-45 HSJS8-45 HSJNS8-45
Black Anodize	HFSFB8	4545	HSJ8-45 HSJS8-45 HSJNS8-45
	HFS8TB8	4545	-

**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
Standard Type	HSJ	8-45	Nut 8-45	Plate 8-45	Button Head Cap Screw M6-25	1-99 pc(s)	100-200
	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)

Wrench holes are necessary on the mating extrusion.

Joint components will be shipped loosely tightened.

Part Number	Joint Component	L	Extrusion	Built-in Joint Component	A	Required Wrench for Tightening	Extrusion Unit Price	Joints, Others
JFSS	8-4545	100-4000	HFS8-4545 (P.681)	HSJNS8-45	1	For M8	Less than 300mm / 300mm or more	

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

Alterations: Alterations only on this page are available.

Alterations	Code	Spec.		
		Extrusion	Tap	Depth
Right End Face Tapping	RTP	8-4545	M12 (Heli-Coil Insert)	18

Applicable to Left End Pre-Inserted Type only.

Alterations	Code	Spec.		
		Extrusion	H	Hole Dia.
Right End Face Wrench Hole	RCH, RCV	8-4545	22.5	8

Applicable to Left End Pre-Inserted Type only.

**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.

Center Joint No.	Applicable Extrusion No.	[Exception] Extrusion Not Available
8-45	8-4545*1 8-4590*1 8-45180*2	*1 HFSL8-4545, HFSLF8-4545, HFSLT8-4545 and HFSLB8-4590 cannot be used because the thickness of slot extrusion is different. Curved HFSB8-4545 is not applicable since wrench holes cannot be added. *2 Cannot be used in the long side direction because standard hole machining is not allowed.

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.

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)

Joint components will be shipped loosely tightened.

Part Number	Joint Component	L	Extrusion	Built-in Joint Component	A	Required Wrench for Tightening	Extrusion Unit Price	Joints, Others
JFSM	8-4545	100-4000	HFS8-4545 (P.681)	HMJ8-45	1	For M8	Less than 300mm / 300mm or more	

Alterations: Alterations only on this page are available.

Alterations	Code	Spec.		
		Extrusion	Tap	Depth
Right End Face Tapping	RTP	8-4545	M12 (Heli-Coil Insert)	18

Applicable to Left End Pre-Inserted Type only.

Alterations	Code	Spec.		
		Extrusion	H	Hole Dia.
Right End Face Wrench Hole	RCH, RCV	8-4545	22.5	8

Applicable to Left End Pre-Inserted Type only.