

Blind Joint Components

Center Joint Kits

Features: Only one screw for tightening. Work efficiency enhancing anti-rotation type has been added.

Blind Joint Components – Center Joint Kits

Pre-Assembly Insertion Type

(Standard Direction) (90-Degree Reversal)

Center Joint Kits – Post-Assembly Insertion Type

Center Joint Kit – with Rotation Stopper

RoHS10 (Ref.) Corner section when using this joint

Type	Joint Guide		Components (Each 1 pc.)		Set Screw	
	Type	Material	Type	Material	Size	Material
HMJ	Standard	304 Stainless Steel	Pre-Assembly Insertion Standard Direction	CF-8 Stainless Steel Cast	NO.5: M4 x 8 NO.6: M6 x 12 NO.8: M6 x 16 NO.8-45: M6 x 20	4137 Alloy Steel (Surface Treatment: Black Oxide Film)
HMJR			Pre-Assembly Insertion 90° Rotated			
HAMJ	With Rotation Stopper	304 Stainless Steel	Pre-Assembly Insertion Standard Direction	CF-8 Stainless Steel Cast	NO.5: M4 x 8 NO.6: M6 x 12 NO.8: M6 x 16 NO.8-45: M6 x 20	4137 Alloy Steel (Surface Treatment: Black Oxide Film)
HAZJ			Pre-Assembly Insertion Standard Direction			

Joint-Guide Standard

Pre-Assembly Insertion Center Post Standard Direction

Joint-Guide with Rotation Stopper

Pre-Assembly Insertion Center Post 90° Reversal Type
(Tightening direction is reversed 90° as shown in the example in the lower right-hand corner on P.2855.)

Post-Assembly Insertion Center Post

Ⓢ For center posts No. 8-45, Extrusion Mating Section (Ø12) is provided as below.

*For 8-45

Part Number	Accessories				Available Types								
	Type	No.	Center Post	Qty.	Joint Guide	Qty.	Set Screw	Qty.	HMJ	HMJR	HAMJ	HZJ	HAZJ
Pre-Assembly Insertion Standard Direction	HMJ	5	Pre-Assembly Insertion Center Post 5	1	Joint Guide 5	1	M4 x 8	1	•	•	•	•	•
	HZJ	6	Pre-Assembly Insertion Center Post 6		Joint Guide 6		M6 x 12		•	•	•	•	
	HAMJ	8	Pre-Assembly Insertion Center Post 8		Joint Guide 8		M6 x 16		•	•	•	•	
	HAZJ	8-45	Pre-Assembly Insertion Center Post 8-45		Joint Guide 8-45		M6 x 20		•	•	•	•	
Pre-Assembly Insertion Lock Nut 90° Reversal	HMJR	5	Pre-Assembly Insertion Center Post 5 Rotated	1	Joint Guide 5	1	M4 x 8	1	•	•	•	•	•
	HAMJ	6	Pre-Assembly Insertion Center Post 6 Rotated		Joint Guide 6		M6 x 12		•	•	•	•	
	HAZJ	8	Pre-Assembly Insertion Center Post 8 Rotated		Joint Guide 8		M6 x 16		•	•	•	•	
	HAZJ	8-45	Pre-Assembly Insertion Center Post 8-45 Rotated		Joint Guide 8-45		M6 x 20		•	•	•	•	
Post-Assembly Insertion	HAMJ	5	Post-Assembly Insertion Center Post 5	1	Joint Guide 5	1	M4 x 8	1	•	•	•	•	•
	HZJ	6	Post-Assembly Insertion Center Post 6		Joint Guide 6		M6 x 12		•	•	•	•	
	HAMJ	8	Post-Assembly Insertion Center Post 8		Joint Guide 8		M6 x 16		•	•	•	•	
	HAZJ	8-45	Post-Assembly Insertion Center Post 8-45		Joint Guide 8-45		M6 x 20		•	•	•	•	

Pre-Assembly Insertion Center Post (Standard Direction / 90° Reversal)

Name of Parts	D	L	E	A	B
Pre-Assembly Insertion Center Post 5	4	20.5	3.5	10	10
Pre-Assy. Insertion Center Post 5 Rotated	4	20.5	3.5	10	10
Pre-Assembly Insertion Center Post 6	6.6	29.5	5.5	14	15
Pre-Assy. Insertion Center Post 6 Rotated	6.6	29.5	5.5	14	15
Pre-Assembly Insertion Center Post 8	9.8	41	6	17	17
Pre-Assy. Insertion Center Post 8 Rotated					
Pre-Assembly Insertion Center Post 8-45	9.8	42	6.4	10	17
Pre-Assy. Insertion Center Post 8-45 Rotated					

Post-Assembly Insertion Center Post

Name of Parts	D	L	E	A	B
Post-Assembly Insertion Center Post 5	4	20.5	3.5	6	10
Post-Assembly Insertion Center Post 6	6.6	30.4	6.4	9	15
Post-Assembly Insertion Center Post 8	9.8	41.4	6.4	10	17
Post-Assembly Insertion Center Post 8-45					

Joint-Guide (Standard)

Name of Parts	D	L	L ₁	E	M
Joint Guide 5	6.9	12	4	4.1	4
Joint Guide 6	10.9	19	6	6.8	6
Joint Guide 8	12.8	27	7.5	9.9	6
Joint Guide 8-45					

Center Joint No.	Applicable Extrusion No.				[Exception] Extrusion Not Available
5	5-2020*1	5-2040	5-2060	5-2080	*1 Curved HFSR5-2020 cannot be used, because Wrench Hole Machining is not allowed.
	5-4040	5-4060	5-4080		
6	6-3030*1	6-3060	6-3090*2	6-30120*2	*1 Curved HFSR6-3030 cannot be used, because Wrench Hole Machining is not allowed.
	6-5050	6-50100*2			*2 Cannot be used in the long side direction because standard hole machining is not allowed.
	6-6060	6-6090			
8	8-4040*1	8-4080	8-40120	8-40160*2	*1 Curved HFSR8-4040 cannot be used, because Wrench Hole Machining is not allowed.
					*2 Cannot be used in the long side direction because standard hole machining is not allowed.
8-45	8-4545*1	8-4590*1	8-45180*2		*1 HFSL8-4545, HFSLF8-4545 HFSLT8-4545 and HFSL8-4590 cannot be used because the thickness of slot extrusion is different.
					*Curved HFSR8-4545 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.

Joint-Guide (with Rotation Stopper)

Name of Parts	D	G	W	L	L ₁	L ₂	d ₁	M
Joint Guide 5	6.9	5.5	5.8	13.0	5	4	4.1	4
Joint Guide 6	10.9	8	7.8	19.5	8	6	6.8	6
Joint Guide 8	12.8	9	9.8	28.0	11	9.5	9.9	6

Part Number Example: HMJ8

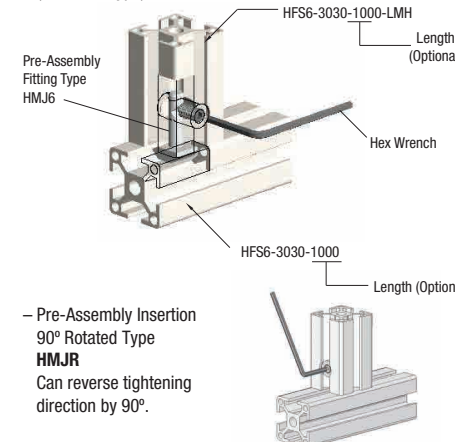
Blind Joint Components

Center Joint Kits, continued

Application Example Center Joint Connection Method

Step	Front View / Side View	Standard Type	With Rotation Stopper	Explanation
1				Mount a center post to extrusion (A). (Post-Assembly Insertion Type can be inserted by turning from upside of the slot.) Ⓢ Center Post is for Standard Type and With Rotation Stopper Type.
2				Insert joint guide in the extrusion (B) with M hole (P.2873). For standard type, adjust the through hole to be upward.
3				Move the extrusion (A) close to the extrusion (B) while putting the center post through the through hole of joint guide.
4				Tighten the set screw to the side of joint guide.
5				When the set screw is tightened against a V groove on the center post, extrusion (A) and (B) are pulled and bound together.

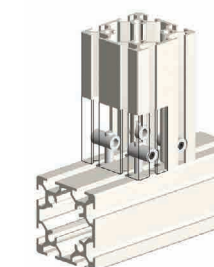
Product Number for the parts shown on the above example (Standard Type).



Pre-Assembly Insertion 90° Rotated Type HMJR
Can reverse tightening direction by 90°.

Connecting extrusions with two 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.