

# Blind Joint Components

## Tapping Joints / TJ Plates / Torx Bits

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

ⓘ Tapping is not required.

Part Number Type	No.	Torx Bit	Applicable Extrusion (Pilot Hole Dia.)	Proper Tightening Torque (Max.)	A	(B)	E	F	L
HTJ	5	HTJXL25	Ø4.2	12 N·m	11	4.40	2.25	0.25	20
	6	HTJXL40	Ø6.8	24 N·m	15	6.6	5	0.5	25
	8		Ø10.5	74 N·m	17		5.5		30

Type	Applicable Extrusion No.	[Exception] Extrusion Not Available
HTJ	5-2020* 5-4040	5-2040 5-2060 5-2080 *Curved HFSR5-2020 is not applicable since wrench holes cannot be added.
HTJ6	6-3030* 6-5050 6-6060	6-3060 6-50100 6-3090 6-100100 6-60120 *Curved HFSR6-3030 is not applicable since wrench holes cannot be added.
HTJ8	8-4040*	8-4080 8-40120 8-40160 *Curved HFSR8-4040 is not applicable since wrench holes cannot be added.

**Torx Bit**

**HTJXL**

**Material:** SNCM447

Part Number Type	No.	Applicable Drive for Torx Bit	(B)	L	E	F
HTJXL	25	T25	4.40	75	9	6.35
	40	T40	6.6			

**Part Number Example**

HTJ6  
HTJXL40

Step	1	2	3
<b>Explanation</b>	Tighten temporarily the tapping joint on frame 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). TJ plate goes through the slot of frame (B) too.	Pass the Torx bit through wrench hole, and tighten it by socket wrench.
<b>Trapping Joints</b>	<p>*Tapped holes are not required.</p> <p>(A) HFS6-3030-1000 Length (Optional)</p>	<p>*Part below neck of HTJ8 is thinned so as to be engaged with slot width of 10 mm (HFS8 Series).</p> <p>(B) HFS6-3030-1000-LCV Length (Optional)</p>	

# Blind Joint Components

## Screw Joints

**Screw Joints**

(Reference) Corner section when using this joint

**HCJ** Trivalent Chromate  
**SHCJ** Stainless Steel

**(A) Screw Bolt**

Screw Bolt M5 / M8

Screw Bolt M12

**(B) Joint Plate**

Joint Plate for 8-60

Type	Components	Material	Surface Treatment
HCJ	Screw Bolt	4137 Alloy Steel	Trivalent Chromate
	Joint Plate	Low Carbon Steel	
SHCJ	Screw Bolt	304 Stainless Steel	—
	Joint Plate	304 Stainless Steel	

Part Number Type	No.	Components		Available Types			
		(A) Screw	(B) Joint Plate	HCJ		SHCJ	
HCJ Trivalent Chromate	5	M5	5	1-99 pc(s).	100-	1-99 pc(s).	100-
	6	M8	6	•	•	•	•
	8	M12	8	•	•	•	•
	8-45		8-45	•	•	•	•
8-60	For 8-60	•	•	•	•	•	

Screw Joints	Applicable Extrusion No.	(Exception) Extrusion Not Available
HCJ5	5-2020* 5-4040	5-2040 5-2060 5-2080 *Curved HFSR5-2020 is not applicable since wrench holes cannot be added.
HCJ6 SHCJ6	6-3030* 6-6060	6-3060 6-50100 6-3090 6-100100 6-60120 *Curved HFSR6-3030 is not applicable since wrench holes cannot be added.
HCJ8	8-4040*	8-4080 8-40120 8-40160 *Curved HFSR8-4040 is not applicable since wrench holes cannot be added.
HCJ8-45	8-4545*	8-4590* 8-45180 *Not applicable to HFSL (light type). *Curved HFSR8-4545 is not applicable since wrench holes cannot be added. For GFS8-100100 and GFS8-100200, bracket connection is recommended as they are heavy.
HCJ8-60	8-6060	—

(A) Screw	M x P	L	A	E	B	(c)	d	(e)
M5	5 x 0.8	15	9.5	2.75	3	1.56	—	1.6
M8	8 x 1.25	20	14	4.4	5	2.6	—	3.5
M12	12 x 1.75	29.4	18	4.5	6	3.6	9.8	8.4

(B) Joint Plate	N	A	B	E	L	T	t	K
5	5.5	4	10	2	14	5	0.8	8.2
6	8.3	5	15	3	24	7.5	1.5	12.2
8	12.3	6	18	3.5	34	12	2.0	19.2
39								
8-45								

ⓘ For SHCJ, No.6 only.

ⓘ For the detailed dimensions of joint plate for HCJ8-60, refer to the diagram.

**Part Number Example**

HCJ8-45  
SHCJ6

### How to Connect Screw Joints (Tapped holes or wrench holes are required on the extrusion)

Step	1	2	3
<b>Explanation</b>	Mount a screw joint on the tapped hole on the extrusion end face.	Pass the head of screw joint through the slot of Extrusion (B), and slide it down to the bottom of (A).	Insert the hex wrench into the wrench hole and tighten it.
<b>Screw Joints</b>	<p>(A)HFS6-3030-1000-LTP Length (Optional)</p>	<p>(A)</p> <p>(B)HFS6-3030-1000-RCV Length (Optional)</p>	<p>(A)</p> <p>(B)</p>