

# Blind Joint Components


-Tapping Joints / TJ Plates / Torx Bits-

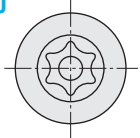
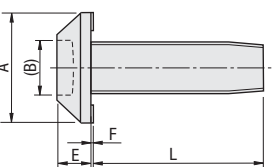
Alterations necessary to use this component

Wrench Hole  
→P649

CAD Data


■Features: Necessary alteration is only for wrench holes. Most economical Blind Joints. Dedicated Torx Bit is required for tightening.

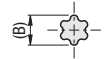
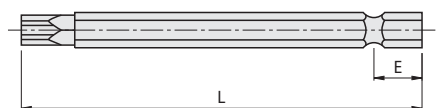
**Tapping Joints**  
  
**(Reference) Corner section when using this joint**

**HTJ**  
  
  
**M** Materials:  
JIS SWCH18A~C18  
(Carburized)  
**S** Surface Treatment:  
Trivalent Chromate  
\*JIS SWCH18A~C18  
(Cold Forged JIS STKM Wire)  
**RoHS 10**  
Tapping is not required.

Part Number	No.	Torx Bit	Applicable Extrusion (Pilot Hole Dia.)	Proper Tightening Torque (Max.)	A	(B)	E	F	L	€ Unit Price 1~99 pcs.	Volume Discount Rate 100~
HTJ	5	HTJXL25	Ø4.2	12N・m	11	4.4	2.25	0.25	20		
	6	HTJXL40	Ø6.8	24N・m	15	6.6	5	0.5	25		
	8		Ø10.5	74N・m	17		5.5		30		

Tapping Joints	Applicable Extrusion No.				[Exception] Extrusion Not Available	
HTJ5	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 6-6090	6-3090 6-100100 6-60120	6-30120	* 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**  
  
**RoHS 10**

**HTJXL**  
  
  
**M** Material: 1.6511/36CrNiMo4

Part Number	No.	Applicable Drive for Torx Bit	(B)	L	E	F	€ Unit Price 1~9 pcs.	Volume Discount Rate 10~
HTJXL	25	T25	4.4	75	9	6.35		
	40	T40	6.6					

 Order Example

Part Number  
HTJ6  
HTJXL40

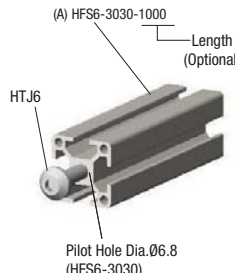
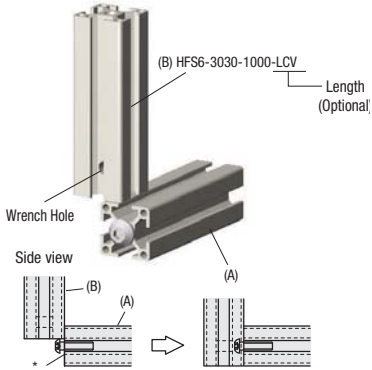
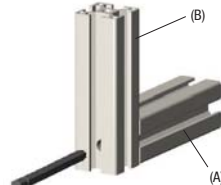
 Days to Ship

6 Days P87



Example

How to Connect Tapping Joints (Female Thread holes are not required for extrusion connection.)

Step	1	2	3
Explanation	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 motorized screw driver.
Tapping Joints	 (A) HFS6-3030-1000 Length (Optional) HTJ6 Pilot Hole Dia.Ø6.8 (HFS6-3030)  * Female Thread holes are not required.	 (B) HFS6-3030-1000-LCV Length (Optional) Wrench Hole Side view (B) (A)  * Part below neck of HTJ8 is thinned so as to be engaged with slot width of 10 mm (HFS8 Series).	 (B) (A)

# Blind Joint Components

-Screw Joints-


Alterations necessary to use this component

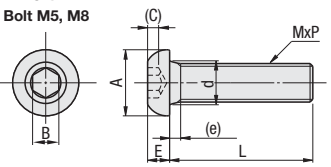
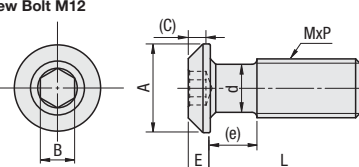
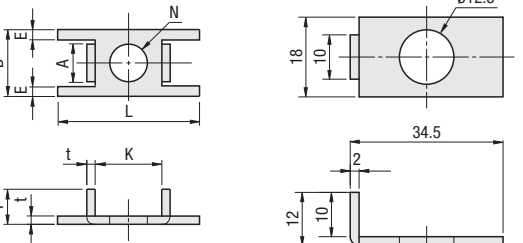
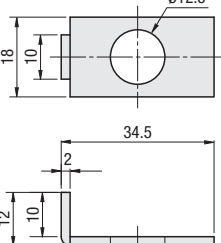
Tapping  
→P647

Wrench Hole  
→P649

CAD Data

■Features: Including Rotation Stoppers, available from EUR 1,40. Cost saving Blind joints.

**Screw Joints**  
  
**(Reference) Corner section when using this joint**  
**RoHS 10**

**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	M Material	S Surface Treatment
HCJ	Screw Bolt	1.7220/ 34CrMo4	Trivalent Chromate
	Joint Plate	1.0330/DC01	
	Screw Bolt	1.4301- Equivalent	
	Joint Plate	1.4301/ X5CrNi18-10	

Part Number	No.	(A) Screw Bolt	(B) Joint Plate	€ Unit Price 1~99 pcs.	Volume Discount Rate 100~	€ Unit Price 1~99 pcs.	Volume Discount Rate 100~
HCJ (Trivalent Chromate)	5	M5	5				
	6	M8	6				
	8		8				
SHCJ (Stainless Steel)	8-45	M12	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* 6-5050 6-6060	6-3060 6-50100 6-6090	6-3090 6-100100 6-60120	6-30120	* 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					

④For SHCJ, No.6 only.

(A) Screw Bolt	MxP	L	A	E	B	(c)	d	(e)
M5	5x0.8	15	9.5	2.75	3	1.56	-	1.6
M8	8x1.25	20	14	4.4	5	2.6	-	3.5
M12	12x1.75	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					24			15.2
8-45	12.3	6	18	3.5	39	12	2.0	19.2

④For the detailed dimensions of joint plate for HCJ8-60, refer to the diagram.

 Order Example

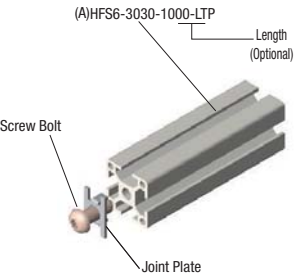
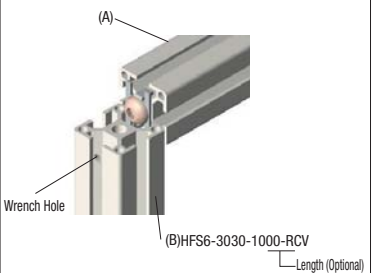
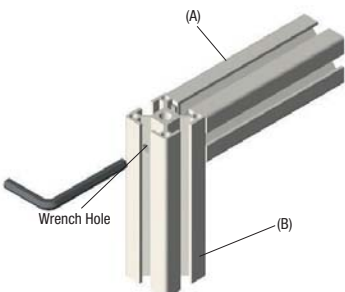
Part Number  
HCJ8-45  
SHCJ6

 Days to Ship

6 Days P87

 Example

How to Connect Screw Joints (Female Thread holes or wrench holes are required on the extrusion.)

Step	1	2	3
Explanation	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 hexagonal wrench into the wrench hole and tighten it.
Screw Joints	 (A)HFS6-3030-1000-LTP Length (Optional) Screw Bolt Joint Plate	 (A) Wrench Hole (B)HFS6-3030-1000-RCV Length (Optional)	 (A) Wrench Hole (B)