

Blind Joint Components

Tapping Joints / TJ Plates / Torx Bits

Alterations necessary to use this component

Wrench Hole
P683

Blind Joint Components

Screw Joints

Alterations necessary to use this component

Tapping
P681
Wrench Hole
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Feature: 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)

RoHS

Tapping on the extrusion is not necessary.

Part Number Type	No.	Torx Bit	Applicable Extrusion (Pilot Hole Dia.)	Proper Tightening Torque (Max.)	A	(B)	E	F	L	Unit Price 1~99 pc(s).	Volume Discount Rate 100~
HTJ	5	HTJXL25	Ø4.2	12N·m	11	3.84	2.25	0.25	20		
	6	HTJXL40	Ø6.8	24N·m	15	6.6	5	0.5	25		
	8		Ø10.5	74N·m	17				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 6-60120	6-3090 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 HTJXL

Material: SNCM447

RoHS

Part Number Type	No.	Applicable Drive for Torx Bit	(B)	L	E	F	Unit Price 1~9 pc(s).	Volume Discount Rate 10~
HTJXL	25	T25	3.84	75	9	6.35		
	40	T40	6.6					

Ordering Example

Part Number
HTJ6
HTJXL40

Days to Ship

Configure Online

Example How to Connect Tapping Joints (Tapped holes are not required for extrusion connection.)

Step	1	2	3
Description	Tighten temporarily the tapping joint on extrusion 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 extrusion (B) too.	Pass the Torx Bit through wrench hole, and tighten it by a motorized screw driver.
Tapping Joints	<p>(A) HFS6-3030-1000 Length (Optional) HTJ6 Pilot Hole Dia. Ø6.8 (HFS6-3030)</p> <p>*Tapped holes are not required.</p>	<p>(B) HFS6-3030-1000-LCV Length (Optional) Wrench Hole Side View (B) (A)</p> <p>*Part below neck of HTJ8 is thinned so as to be engaged with slot width of 10mm (HFS8 Series).</p>	<p>(B)</p> <p>(A)</p>

Screw Joints

HCJ (Trivalent Chromate)
SHCJ (Stainless Steel)

(A) Screw
Screw M5, M8
Screw M12

(B) Joint Plate
<Joint Plate for 8-60>

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

RoHS

Part Number Type	No.	Components		HCJ		SHCJ	
		(A) Screw	(B) Joint Plate	Unit Price 1~99 pc(s).	Volume Discount Rate 100~	Unit Price 1~99 pc(s).	Volume Discount Rate 100~
HCJ (Trivalent Chromate) SHCJ (Stainless Steel)	5	M5	5			-	-
	6	M8	6			-	-
	8		8			-	-
	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 6-60120	6-3090 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 HCJ8-60	8-4545* 8-4590* 8-6060	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.

For SHCJ, No.6 only.

(A) Screw	MxP	L	A	E	B	(c)	d	(e)	(B) Joint Plate	N	A	B	E	L	T	t	K
M5	5x0.8	15	9.5	2.75	3	1.56	-	1.6	5	5.5	4	10	2	14	5	0.8	8.2
M8	8x1.25	20	14	4.4	5	2.6	-	3.5	6	8.3	5	15	3	24	7.5	1.5	12.2
M12	12x1.75	29.4	18	4.5	6	3.6	9.8	8.4	8					34	12	2.0	15.2
									8-45	12.3	6	18	3.5	39			19.2

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

Ordering Example

Part Number
HCJ8-45
SHCJ6

Days to Ship

Configure Online

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

Step	1	2	3
Description	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.
Screw Joints	<p>(A) HFS6-3030-1000-LTP Length (Optional) Screw Joint Plate</p>	<p>(A)</p> <p>(B) HFS6-3030-1000-RCV Length (Optional)</p> <p>Wrench Hole</p>	<p>(A)</p> <p>(B)</p> <p>Wrench Hole</p>