

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

RoHS 10 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
					HTJ	5	HTJXL25	Ø4.2	12N·m
	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	6-3090 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 **HTJXL**

Material: SNCM447

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Part Number Type	No.	Applicable Drive for Torx Bit	(B)	L	E	F
HTJXL	25 40	T25 T40	4.4 6.6	75	9	6.35

Ordering Example

Part Number
HTJ6
HTJXL40

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			
	*Tapped holes are not required.	*Part below neck of HTJ8 is thinned so as to be engaged with slot width of 10mm (HFS8 Series).	

Feature: Including Rotation Stoppers, available from JPY140. Cost saving blind joints.

Screw Joints

HCJ (Trivalent Chromate)
SHCJ (Stainless Steel)

(A) Screw
Screw M5, M8
Screw M12

(B) Joint Plate

RoHS 10

Type	Components	Material	Surface Treatment
HCJ	Screw	SCM435	Trivalent Chromate
	Joint Plate	SPCC	
SHCJ	Screw	SUS304 Equivalent	
	Joint Plate	SUS304	

Part Number Type	No.	Components	
		(A) Screw	(B) Joint Plate
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	6-3090 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 HCJ8-60	8-4545* 8-6060	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.

(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	12.3	6	18	3.5	34	12	2.0	15.2
									8-45					39			19.2

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

Ordering Example

Part Number
HCJ8-45
SHCJ6

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			