

Aluminum Extrusions with Built-in Joints

■Feature: Screw joint installable without alterations. (Wrench holes are necessary on the mating extrusion.)

Screw Joint Type
RoHS10

JFSC (Left End Face Screw Joint Pre-Inserted Type)
JFSC-...-L (Extrusion Length)
JFSC-...-W (Double End Face Screw Joints Pre-Inserted Type)

Wrench holes are necessary on the mating extrusion.
JFSC-3030L
HFS6-3030 (Wrench Hole Machining)

Part Name	Material	Surface Treatment
Nuts are pre-inserted in the aluminum extrusion.	AGN01SS-T5	Anodize
Screw	SCM435	Trivalent Chromate
Joint Plate	SPCC	

Example (Ex.)
Blue = JFSC5-2020W-Length
Green = JFSC5-2020L-Length-RCH-RCV
Yellow = HFS5-2020L-Length-LCP-RCP (Wrench Hole Machining P683)

Part Number	Joint Component	L 0.5mm Increment	Extrusion	Built-in Joint Component	Quantity	A	Wrench required when tightening.
JFSC 5-2020	L (Left End Face only)	100~4000	HFS5-2020 (P511)	HCJ5 (P662)	1	20	For M5
	W (Double End Faces)			2			
6-3030	L (Left End Face only)		HFS6-3030 (P545)	HCJ6 (P662)	1	30	For M8
	W (Double End Faces)			2			
8-4040	L (Left End Face only)		HFS8-4040 (P587)	HCJ8 (P662)	1	40	For M12
	W (Double End Faces)			2			
8-4545	L (Left End Face only)		HFS8-4545 (P625)	HCJ8-45 (P662)	1	45	For M12
	W (Double End Faces)			2			
8-6060	L (Left End Face only)		HFS8-6060 (P633)	HCJ8-60 (P662)	1	60	For M12
	W (Double End Faces)			2			

Ordering Example
Part Number - L
JFSC8-4040L - 1200

■Feature: Center joint installable without alterations. (No holes are required on the mating extrusion.)

Center Joint
RoHS10

JFSM (Left End Face Center Joint Pre-Inserted Type)
JFSM-...-L (Extrusion Length)
JFSM-...-W (Double End Face Center Joints Pre-Inserted Type)

Example (Ex.)
JFSM6-3030L
HFS6-3030

Part Name	Material	Surface Treatment
Nuts are pre-inserted in the aluminum extrusion.	AGN01SS-T5	Anodize
Center Post	SCS13	
Joint Guide	SUS304	
Set Screw	SCM435	Black Oxide Film

Joint components will be shipped loosely tightened.

Part Number	Joint Component	L 0.5mm Increment	Extrusion	Built-in Joint Component	Quantity	A	Wrench required when tightening.
JFSM 5-2020	L (Left End Face only)	100~4000	HFS5-2020 (P511)	HMJ5 (P663)	1	20	For M4
	W (Double End Faces)			2			
6-3030	L (Left End Face only)		HFS6-3030 (P545)	HMJ6 (P663)	1	30	For M6
	W (Double End Faces)			2			
8-4040	L (Left End Face only)		HFS8-4040 (P587)	HMJ8 (P663)	1	40	For M6
	W (Double End Faces)			2			
8-4545	L (Left End Face only)		HFS8-4545 (P625)	HMJ8-45 (P663)	1	45	For M6
	W (Double End Faces)			2			

Ordering Example
Part Number - L
JFSM8-4040L - 1200

■Feature: Simple joint installable without alterations. (No holes are required on the mating extrusion.)

Simple Joint Type
RoHS10

JFSU (Left End Face Simple Joint Pre-Inserted Type)
JFSU6-3030L (Extrusion Length)
JFSU6-3030W (Double End Face Simple Joints Pre-Inserted Type)

Example (Ex.)
JFSU6-3030L
HFS6-3030

Part Name	Material	Surface Treatment
Nuts are pre-inserted in the aluminum extrusion.	AGN01SS-T5	Anodize
Main Body	S45C	Trivalent Chromate
Dedicated Screws	SCM435	Black Oxide Film
Set Screw	SCM435	Black Oxide Film

Joint components will be shipped loosely tightened.

Part Number	Joint Component	L 0.5mm Increment	Extrusion	Built-in Joint Component	Quantity	A
JFSU 6-3030	L (Left End Face only)	100~4000	HFS6-3030 (P545)	HUJ6 (P667)	1	30
	W (Double End Faces)			2		

Ordering Example
Part Number - L
JFSU6-3030L - 1200

■Feature: Single joint installable without alterations. (Wrench holes are necessary on the mating extrusion.)

Single Joint Type
RoHS10

JFSS (Left End Face Single Joint Pre-Inserted Type)
JFSS-...-L (Extrusion Length)
JFSS-...-W (Double End Face Single Joints Pre-Inserted Type)

Wrench holes are necessary on the mating extrusion.
JFSS6-3030L
HFS6-3030 (Wrench Hole Machining)

Part Name	Material	Surface Treatment
Nuts are pre-inserted in the aluminum extrusion.	AGN01SS-T5	Anodize
Joint Plate	SUS304	
Joint Nut	SUS316 Equivalent	
Kit	SUSXM7	

Joint components will be shipped loosely tightened.

Part Number	Joint Component	L 0.5mm Increment	Extrusion	Built-in Joint Component	Quantity	A	Wrench required when tightening.
JFSS 6-3030	L (Left End Face only)	100~4000	HFS6-3030 (P545)	HSJNS6 (P669)	1	30	For M6
	W (Double End Faces)			2			
8-4040	L (Left End Face only)		HFS8-4040 (P587)	HSJNS8 (P669)	1	40	For M8
	W (Double End Faces)			2			
8-4545	L (Left End Face only)		HFS8-4545 (P625)	HSJNS8-45 (P669)	1	45	For M8
	W (Double End Faces)			2			

Ordering Example
Part Number - L
JFSS8-4040L - 1200

■Feature: Pre-Assembly Insertion Double Joint installable without alterations. (No holes are required on the mating extrusion.)

Pre-Assembly Insertion Lock Nut Double Joint Type
RoHS10

JFSD (Left End Face Pre-Assembly Insertion Double Joint Built-in Type)
JFSD-...-L (Extrusion Length)
JFSD-...-W (Double End Face Pre-Assembly Insertion Double Joints Built-in Type)

Example (Ex.)
JFSD6-3030L
HFS6-3030

Part Name	Material	Surface Treatment
Nuts are pre-inserted in the aluminum extrusion.	AGN01SS-T5	Anodize
Pre-Assembly Insertion Double Joint	SUS316 Equivalent	
Offset Nut	SUS304	
Kit	Hex Socket Head Cap Screw	

Joint components will be shipped loosely tightened.

Part Number	Joint Component	L 0.5mm Increment	Extrusion	Built-in Joint Component	Quantity	A	Wrench required when tightening.
JFSD 6-3030	L (Left End Face only)	100~4000	HFS6-3030 (P545)	HDJHSN6 (P671)	1	30	For M5
	W (Double End Faces)			2			
8-4040	L (Left End Face only)		HFS8-4040 (P587)	HDJHSN8 (P671)	1	40	For M6
	W (Double End Faces)			2			
8-4545	L (Left End Face only)		HFS8-4545 (P625)	HDJHSN8-45 (P671)	1	45	For M6
	W (Double End Faces)			2			

Ordering Example
Part Number - L
JFSD8-4040L - 1200

Alterations

Alterations	Code	Spec.		
		Extrusion	Tap	Depth
Right End Face Tapping JFS-...-L is only applicable to Left End Face Joint Pre-Inserted Type.	RTP Right End Face Tapping	5-2020	M5	15
		6-3030	M8	24
		8-4040	M12	36
		8-4545	M12 (Hell-Coil Insert)	18

Alterations	Code	Spec.		
		Extrusion	H	Hole Dia.
Right End Face Wrench Hole JFSC-...-L, JFSS-...-L, JFSM-...-L, JFSU-...-L, and JFSS-...-L only.	RCH RCV	5-2020	10	7.35
		6-3030	15	
		8-4040	20	8
		8-4545	22.5	

Alterations only on this page are available.