



Aluminum Frames with Built-in Joints

CAD Data Folder Name: 40_Aluminum_Frames

JFSM, JFSU, JFSS and JFSD are not available outside Japan.
Features: Screw joint installable without alterations. (Wrench holes are necessary on the mating extrusion)

Screw Joint Type
RoHS

JFSC - L
 (Left End Face Screw Joint Built-in Type)

JFSC - W
 (Double End Face Screw Joint Built-in Type)

Name of Parts	Material	Surface Treatment
Aluminum Frames	AGN01SS-T5	Anodize
Screw Bolt	SCM435	Trivalent Chromate
Joint Plate	SPCC	

Wrench holes are necessary on the mating extrusion.
 JFSC6-3030L

Example
 (Ex.)

Blue = JFSS - L - W - Length
 Green = JFSS - L - L - Length - RCH - RCV
 Yellow = HFS - L - L - Length - LCP - RCP
 (For Wrench Hole Alterations, refer to P649)

Example
 (Ex.)

Blue = JFSS - L - W - Length
 Green = JFSS - L - L - Length - RCH - RCV
 Yellow = HFS - L - L - Length - LCP - RCP
 (For Wrench Hole Alterations, refer to P649)

Part Number	Joint Components	L 0.5mm Increment	Extrusions	Built-in Joint Component		A	Wrench required when tightening:	Extrusion Unit Price		
				Screw Joints	Qty.			Less than 300mm	300mm or more (Baht/m)	Joints, Other
5-2020	L (Left End Face Only)	100~4000	HFS5-2020 (P477)	HCJ5 (P628)	1	20	For M5	260	378	146
	W (Double End Faces)			2	405	378		292		
6-3030	L (Left End Face Only)		HFS6-3030 (P511)	HCJ6 (P628)	1	30	For M8	314	378	146
	W (Double End Faces)			2	460	378		292		
8-4040	L (Left End Face Only)		HFS8-4040 (P553)	HCJ8 (P628)	1	40	For M8	374	688	169
	W (Double End Faces)			2	524	688		319		
8-4545	L (Left End Face Only)		HFS8-4545 (P591)	HCJ8-45 (P628)	1	45	For M12	524	888	260
	W (Double End Faces)			2	783	888		519		
8-6060	L (Left End Face Only)		HFS8-6060 (P599)	HCJ8-60 (P628)	1	60		797	1,789	264
	W (Double End Faces)			2	1,061	1,789		528		

When L is less than 300
 Unit prices are indicated in the table regardless of the length.
 ex: JFSC6-3030L-200=314 Baht

When L is 300 or more
 Prices are calculated as follows:
 Unit Price/m x Configured L dimension + Joint or other Unit Price = Price
 ex: JFSC6-3030L-1800
 378x1.8m+146=681+146
 =827 Baht
 (Round up to the Baht.)

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

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

Center Joint Type
RoHS

JFSM - L
 (Left End Face Center Joint Built-in Type)

JFSM - W
 (Double End Face Center Joint Built-in Type)

Name of Parts	Material	Surface Treatment
Aluminum Frames	AGN01SS-T5	Anodize
Center Post	SCS13	
Joint Guide	SUS304	
Set Screw	SCM435	Blackening Film

Example
 (Ex.)

Joint components will be shipped loosely tightened.

Example
 (Ex.)

Joint components will be shipped loosely tightened.

Part Number	Joint Component	L 0.5mm Increment	Extrusions	Built-in Joint Component		A	Wrench required when tightening:	Extrusion Unit Price		
				Center Joint	Qty.			Less than 300mm	300mm or more (Baht/m)	Joints, Other
5-2020	L (Left End Face Only)	100~4000	HFS5-2020 (P477)	HMJ6 (P629)	1	20	For M4	310	214	430
	W (Double End Faces)			2	506	214		860		
6-3030	L (Left End Face Only)		HFS6-3030 (P511)	HMJ6 (P629)	1	30	For M6	401	378	510
	W (Double End Faces)			2	633	378		1,020		
8-4040	L (Left End Face Only)		HFS8-4040 (P553)	HMJ8 (P629)	1	40	For M8	455	688	550
	W (Double End Faces)			2	700	688		1,100		
8-4545	L (Left End Face Only)		HFS8-4545 (P591)	HMJ8-45 (P629)	1	45	For M12	524	888	580
	W (Double End Faces)			2	792	888		1,160		

When L < 300,
 Unit prices are indicated in the table regardless of the length.
 ex: JFSM6-3030L-200=## Baht

When L ≥ 300,
 Prices are calculated as follows:
 Unit Price/m x Configured L dimension + Joint or other Unit Price = Price
 ex: JFSM6-3030L-1800
 => 830x1.8m+510=1,490+510=Baht2,000
 (Round up to the Baht.)

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

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

Simple Joint Type
RoHS

JFSU6-3030L
 (Left End Face Simple Joint Built-in Type)

JFSU6-3030W
 (Double End Face Simple Joint Built-in Type)

Name of Parts	Material	Surface Treatment
Aluminum Frames	AGN01SS-T5	Anodize
Simple Joints	S45C	Trivalent Chromate
Dedicated Screws	SCM435	
Set Screw		Blackening Film

Example
 (Ex.)

Joint components will be shipped loosely tightened.

Example
 (Ex.)

Joint components will be shipped loosely tightened.

Part Number	Joint Component	L 0.5mm Increment	Extrusions	Built-in Joint Component		A	Wrench required when tightening:	Extrusion Unit Price		
				Center Joint	Qty.			Less than 300mm	300mm or more (Baht/m)	Joints, Other
JFSU 6-3030	L (Left End Face Only)	100~4000	HFS6-3030 (P511)	HUJ6 (P633)	1	30		387	378	480
	W (Double End Faces)			2	606	378		960		

When L < 300,
 Unit prices are indicated in the table regardless of the length.
 ex: JFSU6-3030L-250=## Baht

When L ≥ 300,
 Prices are calculated as follows:
 Unit Price/m x Configured L dimension + Joint or other Unit Price = Price
 ex: JFSU6-3030L-1400
 830x1.4m+480=1,160+480
 =Baht1,640 (Round up to the Baht.)

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

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

Single Joint Type
RoHS

JFSS - L
 (Left End Face Single Joint Built-in Type)

JFSS - W
 (Double End Face Single Joint Built-in Type)

Name of Parts	Material	Surface Treatment
Aluminum Frames	AGN01SS-T5	Anodize
Joint Plate	SUS304	
Joint Nuts	SUS316	
Single Joints Kit	Hex Socket Head Cap Screws	SUSXM7

Example
 (Ex.)

Joint components will be shipped loosely tightened.

Example
 (Ex.)

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

Blue = JFSS - L - W - Length
 Green = JFSS - L - L - Length - RCH - RCV
 Yellow = HFS - L - L - Length - LCP - RCP
 (For Wrench Hole Alterations, refer to P649)

Part Number	Joint Components	L 0.5mm Increment	Extrusions	Built-in Joint Component		A	Wrench required when tightening:	Extrusion Unit Price		
				Single Joint	Qty.			Less than 300mm	300mm or more (Baht/m)	Joints, Other
6-3030	L (Left End Face Only)	100~4000	HFS6-3030 (P511)	HSJNS6 (P635)	1	30	For M6	324	378	340
	W (Double End Faces)			2	478	378		680		
8-4040	L (Left End Face Only)		HFS8-4040 (P553)	HSJNS8 (P635)	1	40	For M8	396	688	420
	W (Double End Faces)			2	587	688		840		
8-4545	L (Left End Face Only)		HFS8-4545 (P591)	HSJNS8-45 (P635)	1	45	For M12	474	888	460
	W (Double End Faces)			2	683	888		920		

When L is less than 300
 Unit prices are indicated in the table regardless of the length.
 ex: JFSS6-3030W-200=## Baht

When L is 300 or more
 Prices are calculated as follows:
 Unit Price/m x Configured L dimension + Joint or other Unit Price = Price
 ex: JFSS6-3030W-1500
 => 830x1.5m+680=1,240+680=Baht1,920
 (Round up to the Baht.)

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

Features: Pre-Assy. Double Joint installable without specifying alterations. (No holes are required on the mating extrusion)

Pre-Assy. Insertion Double Joint Type
RoHS

JFSD - L
 (Left End Face Pre-Assy. Insertion Double Joint Built-in Type)

JFSD - W
 (Double End Face Pre-Assy. Insertion Double Joint Built-in Type)

Name of Parts	Material	Surface Treatment
Aluminum Frames	AGN01SS-T5	Anodize
Pre-Assy. Insertion Double Joint	SUS316 Equivalent	
Double Joint Kits	Hex Socket Head Cap Screws	SUS304

Example
 (Ex.)

Joint components will be shipped loosely tightened.

Example
 (Ex.)

Tighten with a hexagonal wrench while adjusting the position.

Part Number	Joint Components	L 0.5mm Increment	Extrusions	Built-in Joint Component		A	Wrench required when tightening:	Extrusion Unit Price		
				Pre-assembly Double Joint	Qty.			Less than 300mm	300mm or more (Baht/m)	Joints, Other
6-3030	L (Left End Face Only)	100~4000	HFS6-3030 (P511)	HDJHNS6 (P637)	1	30	For M5	483	378	690
	W (Double End Faces)			2	797	378		1,380		
8-4040	L (Left End Face Only)		HFS8-4040 (P553)	HDJHNS8 (P637)	1	40	For M6	537	688	730
	W (Double End Faces)			2	870	688		1,460		
8-4545	L (Left End Face Only)		HFS8-4545 (P591)	HDJHNS8-45 (P637)	1	45	For M12	615	888	770
	W (Double End Faces)			2	965	888		1,540		

When L is less than 300
 Unit prices are indicated in the table regardless of the length.
 ex: JFSD8-4040L-250=## Baht

When L is 300 or more
 Prices are calculated as follows:
 Unit Price/m x Configured L dimension + Joint or other Unit Price = Price
 ex: JFSD8-4040L-1200
 => 1,510x1.2m+730=1,810+730
 =Baht2,540
 (Round up to the Baht.)

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

Delivery 6 Days

Alteration 6 Days

Alterations	Code	Spec.			Price Adder
		Extrusions	Tap	Depth	
Right End Face Tapping	RTP Right End Face Tapping	5-2020	M5	15	82
		6-3030	M8	24	
		8-4040	M12	36	91
		8-4545	M12 (Heli-Coil Insert)	18	

Alterations	Code	Spec.			Price Adder
		Extrusions	H	Hole Dia.	
Right End Face Wrench Hole	RCH RCV	5-2020	10	7.35	55
		6-3030	15		
		8-4040	20	8	
		8-4545	22.5		

Alterations only on this page are available.