

Aluminum Extrusions with Built-In Joints

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

Aluminum Extrusions with Screw Joint

RoHS 10

JFSC - L
(Left End Face Screw Joint Pre-Inserted Type)

JFSC - W
(Double End Face Screw Joints Pre-Inserted Type)

Part Name	Material	Surface Treatment
Nuts are pre-inserted in the aluminum extrusion	A6N01SS-T5 Aluminum Alloy	Anodize
Screw	4137 Alloy Steel	Trivalent Chromate
Joint Plate	Low Carbon Steel	

Part Number	Joint Components	L 0.5 mm Increment	Extrusions	Built-In Joint Component		A	Wrench Required When Tightening			
				Screw Joints	Qty.					
JFSC	5-2020	100-4000	HFS5-2020 (P.2686)	HCJ5 (P.2845)	1	20	For M5			
				W (Double End Faces)	2					
	6-3030			HFS6-3030 (P.2723)	HCJ6 (P.2845)			1	30	For M8
				W (Double End Faces)	2					
	8-4040			HFS8-4040 (P.2766)	HCJ8 (P.2845)			1	40	For M8
				W (Double End Faces)	2					
	8-4545		HFS8-4545 (P.2806)	HCJ8-45 (P.2845)	1	45	For M12			
			W (Double End Faces)	2						
	8-6060		HFS8-6060 (P.2814)	HCJ8-60 (P.2845)	1	60	For M12			
			W (Double End Faces)	2						

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

Application Example

Blue = JFSC5-2020W - Length
Green = JFSC5-2020L - Length - RCH - RCV
Yellow = HFS5-2020L - Length - LCP - RCP
(Wrench Hole Machining, refer to P.2866)

Wrench holes are necessary on the mating extrusion.

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

Aluminum Extrusion with Center Joint

RoHS 10

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

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

Part Name	Material	Surface Treatment
Nuts are pre-inserted in the aluminum extrusion.	A6N01SS-T5 Aluminum Alloy	Anodize
Center Post	CF-8 Stainless Steel Cast	
Joint Guide	304 Stainless Steel	
Set Screw	4137 Alloy Steel	Black Oxide Film

Joint components will be shipped loosely tightened.

Part Number	Joint Component	L 0.5 mm Increment	Extrusions	Built-in Joint Component		A	Wrench required when tightening.			
				Center Joint	Qty.					
JFSM	5-2020	100-4000	HFS5-2020 (P.2686)	HMJ5 (P.2846)	1	20	For M4			
				W (Double End Faces)	2					
	6-3030			HFS6-3030 (P.2723)	HMJ6 (P.2846)			1	30	For M6
				W (Double End Faces)	2					
	8-4040			HFS8-4040 (P.2766)	HMJ8 (P.2846)			1	40	For M6
				W (Double End Faces)	2					
	8-4545		HFS8-4545 (P.2806)	HMJ8-45 (P.2846)	1	45	For M6			
			W (Double End Faces)	2						

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

Application Example

Aluminum Extrusions with Built-In Joints

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

Aluminum Extrusions with Single Joint

RoHS 10

JFSS - L
(Built-In Single Joint on One End)

JFSS - W
(Built-In Single Joint on Both Ends)

Name of Parts	Material	Surface Treatment
Nuts are pre-inserted in the aluminum extrusion	A6N01SS-T5 Aluminum Alloy	Anodize
Single Joint Plate	304 Stainless Steel	
Joint Nuts	316 Stainless Steel	
Kit Hex Socket Button Head Cap Screw	302 HQ Stainless Steel	

Joint components will be shipped loosely tightened.

Part Number	Joint Components	L 0.5 mm Increment	Extrusions	Built-In Joint Component		A	Wrench Required When Tightening		
				Single Joint	Qty.				
JFSS	6-3030	100-4000	HFS6-3030 (P.2723)	HSJNS6 (P.2852)	1	30	For M6		
				W (Double End Faces)	2				
	8-4040			HSJNS8 (P.2852)	1			40	For M8
				W (Double End Faces)	2				
	8-4545			HSJNS8-45 (P.2852)	1			45	For M8
				W (Double End Faces)	2				

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

Application Example

Blue = JFSS6-3030W - Length
Green = JFSS6-3030L - Length - RCH - RCV
Yellow = HFS6-3030L - Length - LCP - RCP
(Wrench Hole Machining, refer to P.2866)

Wrench holes are necessary on the mating extrusion.

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

Aluminum Extrusion with Double Joint

RoHS 10

JFSD - L
(Built-In Pre-Assembly Double Joint on One End)

JFSD - W
(Built-In Pre-Assembly Double Joint on Both Ends)

Name of Parts	Materials	Surface Treatment
Nuts are pre-inserted in the aluminum extrusion	A6N01SS-T5 Aluminum Alloy	Anodize
Pre-Assembly Insertion Double Joints	316 Stainless Steel	
Offset Nuts	304 Stainless Steel	
Hex Socket Head Cap Screw	304 Stainless Steel	

Joint components will be shipped loosely tightened.

Part Number	Joint Components	L 0.5 mm Increment	Extrusions	Built-In Joint Component		A	Wrench Required When Tightening		
				Pre-Assembly Insertion Double Joint	Qty.				
JFSD	6-3030	100-4000	HFS6-3030 (P.2723)	HDJHSN6 (P.2854)	1	30	For M5		
				W (Double End Faces)	2				
	8-4040			HDJHSN8 (P.2854)	1			40	For M6
				W (Double End Faces)	2				
	8-4545			HDJHSN8-45 (P.2854)	1			45	For M6
				W (Double End Faces)	2				

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

Application Example

Tighten with a hex wrench while adjusting the position.

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

Alterations only on this page are available.

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