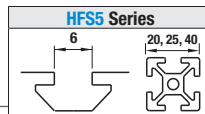


Post-Assembly Insertion Easy Brackets

Slot Type: HFS5 Series (Aluminum Extrusions 20, 25, 40 mm Square)



Features: Two aluminum extrusions can be easily connected with only tightening one screw. Brackets can be mounted on the extrusion slots after assembly.

Brackets

RoHS10

Components	Material	Surface Treatment
(1) Joint Plates	Low Carbon Steel	Trivalent Chromate
(2) Joint Bracket	1045 Carbon Steel or Equivalent	
(3) Hex Socket Head Cap Screw	4137 Alloy Steel	

(2) Joint Brackets

(3) Hex Socket Head Cap Screw

HABL5

(1) Joint Plate

⚠ Overtightening may cause deformation of joint plates. (Reference Tightening Torque 5.5 N·m)

Part Number	Mass (g)	Included Screw		Allowable Load (N)
		Screw	Qty.	
HABL5	30	Hex Socket Head Cap Screws M5 x 8	1	250

Connection Method

Step	Front View	Side View	Sketch Drawing
1			
Place 2 aluminum extrusions, and adjust the frame positions.			
2			
Fit the joint bracket (2) in the slot of the aluminum extrusions.			
3			
(2) Cover the joint bracket (2) on the joint plate (1).			
4			
(3) Tighten a hex socket head cap screw to fix the plate. (Reference Tightening Torque 5.5 N·m)			

Application Example

Holes are tapped on a bracket for cover mounting.

For aluminum extrusions with 2 slots, brackets can be mounted on both sides.

Features: Reversal Tabbed Brackets can use twice as many screws. Extrusions can be connected more securely.

Reversal Tabbed Brackets

Type	Material	Surface Treatment
HBLFSSW5	Aluminum Casting Alloy ADC12	—
HBLFSSWB5		Black Anodize

HBLFSSW5
HBLFSSWB5
(Black Anodize)

Part Number	Mass (g)	Applicable Bolt / T Nut			Allowable Load (N)
		Bolt	Qty.	T Nut	
HBLFSSW5	24	CBM5-10	4	HNTT5-5	1470
HBLFSSWB5* (Black Anodize)				4	

Application Example

Can be connected in parallel and perpendicular directions to the extrusion slot.

Features: Extrusions with 2-slots (HFS5-4040, etc.) can be connected with one bracket.

Reversal Tabbed Brackets

Type	Material
HBLFSD5	Aluminum Casting Alloy ADC12
HBLFSDK5 (With Single Side Tab)	

HBLFSD5
HBLFSDK5
(With Single Side Tab)

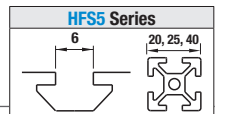
Part Number	Mass (g)	Applicable Screw / T Nut			Allowable Load (N)
		Screw	Qty.	T Nut	
HBLFSD5	25	CBM5-10	4	HNTT5-5	1470
HBLFSDK5				4	

Application Example

Can be connected in parallel and perpendicular directions to the extrusion slot.

Tabbed Brackets

Slot Type: HFS5 Series (Aluminum Extrusions 20, 25, 40 mm Square)



Features: Tabbed Brackets with 2-slots for extrusions (HFS5-4040, etc.).

Tabbed Brackets

Type	Material
HBLFUD5	Aluminum Casting Alloy ADC12

HBLFUD5

Part Number	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Qty.	T Nut	Qty.	
HBLFUD5	76	CBM5-14	4	HNTT5-5	4	1470

Application Example

Features: Ribbed Brackets can use twice as many screws. Extrusions can be connected more securely.

Reversal Tabbed Brackets

Type	Material
HBLFSDW5	Aluminum Casting Alloy ADC12

HBLFSDW5

Part Number	Mass (g)	Applicable Bolt / T Nut				Allowable Load (N)
		Bolt	Qty.	T Nut	Qty.	
HBLFSDW5	47	CBM5-10	8	HNTT5-5	8	2156

Application Example

Can be connected in parallel and perpendicular directions to the extrusion slot.

Part Number Example

Part Number: **HBLFSD5**

Part Number Alterations

Part Number - (C / SET / SST / SEU / SSU / SEP / SSP / SEC)

HBLFSD5 - SET

Alterations	Code	Spec.	Applicable Brackets
Mounting Holes for Cover	C	Adds a tap for a bracket for cover mounting. (M5 on Both Sides) (Mounting screw P.2861 HCBM)	HBLFSSW5
			HBLFSSWB5
			HBLFSDW5
			HBLFUD5

Application Example

C Hole Alteration

Example of Cover Mounting
Specify alteration code C.

Alterations	Code	Spec.	Applicable Brackets	Available Types						
				SET	SST	SEU	SSU	SEP	SSP	SEC
Applicable Screws and Nut Set	SET (Stainless Steel) SST (Pre-Assy. Insertion Spring Nuts) SEU (Pre-Assy. Insertion Spring Nuts Stainless Steel) SSU (Pre-Assy. Insertion Spring Nuts) SEP (Post-Assy. Insertion Spring Nuts) SSP (Post-Assy. Insertion Spring Nuts Stainless Steel) SEC (Captured Washer Screws Nuts)	Supplies a set of applicable screws and nuts for fixing the bracket to an extrusion. (Ex.) When HBLFSSW5 is specified, Code Screws Nuts SET CBM5-10 HNTT5-5 SST SCB5-10 HNTTBS5-5 SEU CBM5-10 HNTU5-5 SSU SCB5-10 SHNTU5-5 SEP CBM5-10 HNTP5-5 SSP SCB5-10 SHNTP5-5 SEC HCBST5-12 HNTT5-5 ⚠ When specifying other than HBLFSSW5, check for the applicable screws and nuts.	HBLFSSW5	•	•	•	•	•	•	•
			HBLFSSWB5	•	—	•	—	•	—	—
			HBLFSD5	•	•	•	•	•	•	•
			HBLFUD5	•	•	•	•	•	•	•
			HBLFSDW5	•	•	•	•	•	•	•

⚠ Screws for black anodized parts are HCBMTB (Trivalent Chromate Black). P.2858
⚠ Not RoHS compliant when -SET, -SEU or -SEP other than black anodized parts is specified.