

# Brackets

Slot Type: HFS8 Series

**Brackets with Slotted Hole on one side**

**HBLFSH8**

Type	Material	Surface Treatment
HBLFSH8	ADC12 Aluminum Alloy Cast	—

Part Number	Mass (g)	Applicable Screw, T Nut				Allowable Load (N)
		Screw	Quantity	T Nut	Quantity	
HBLFSH8	52	CBM8-20	2	HNTT8-8	2	2058

**Nut-Fixing Brackets**

**HBLFSR8**

Back View

- Ⓢ Slotted holes are for various nut hole positions.
- Ⓢ Bracket tabs may be damaged if nuts fall on them.
- Ⓢ Use of washers is recommended. (Refer to alterations below: SEC)

Type	Material	Surface Treatment
HBLFSR8	ADC12 Aluminum Alloy Cast	—

Part Number	Mass (g)	Applicable Screw, T Nut				Allowable Load (N)
		Screw	Quantity	T Nut	Quantity	
HBLFSR8	55	CBM8-20	2	HNTT8-8	2	2058

**Application Example**

When nuts are wedged through until the tab, hole positions of bracket and nuts are aligned and fine adjustment becomes unnecessary.

Ⓢ Short Nuts, HNTM, HNTAM are not applicable.

**Brackets with Caps**

**HBLFSNT8**

Type	Material	Surface Treatment
HBLFSNT8	Cover for Brackets: Polyamide (Black) Bracket: ADC12 Aluminum Alloy Cast	—

Part Number	Mass (g)	Applicable Screw / T Nut				Accessories Components			Allowable Load (N)	
		Screw	Qty.	T Nut	Qty.	Part (1)	Qty.	Part (2)		Qty.
HBLFSNT8	56	CBM8-20	2	HNTT8-8	2	Bracket	1	Bracket Cover	1	2058

**Part Number Example**

Part Number: **HBLFSH8**    Part Number: **HBLFSNT8**

**Part Number Alterations**

Part Number: **HBLFSNT8** - (C / SET / SST / SEU / SSU / SEP / SSP / SEC)    Alterations: **SET**

**Application Example**

**Example of Mounting Covers to Brackets**

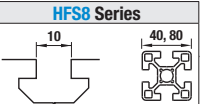
Alterations	Code	Spec	Applicable Bracket	
Mounting Holes for Cover	SET	Applicable screws and nuts for fixing the brackets on extrusions come in a set. (Adds to the bracket price)	HBLFSNF8	
	SST	Stainless Steel	HBLFSN8	
	SEU	Pre-Assembly Insertion Lock Nut Spring Nuts	HBLFSNB8	
	SSU	Pre-Assembly Insertion Lock Nut	HBLFSNM8	
	SEP	Pre-Assembly Spring Nuts	CHBLFSN8	
	SSP	Pre-Assembly Spring Nuts	HBLFS8	
	SEC	Washer Integrated Screws and Nuts	HBLFSB8	
			HBLFSL8	
			HBLFSNK8	
			HBLFSNE8	
			HBLFSR8	
			HBLFSNT8	
				HBLFS8
				HBLFSB8
				HBLFSL8

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

Adds taps on a bracket for cover mounting. (M5 on Both Sides) (Mounting Screw P.2861 HCBM)

# Post-Assembly Easy Brackets / Tabbed Brackets (For 1 & 2 Slots)

Slot Type: HFS8 Series (Aluminum Extrusions 40, 80 Square)



**Brackets**

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

**HABL8**

(1) Joint Plates    (2) Joint Bracket    (3) Hex Socket Head Cap Screw

Ⓢ Overtightening may cause deformation of joint plates. (Reference Tightening Torque 15N·m)

Part Number	Mass (g)	Included Screw		Allowable Load (N)
		Screw	Qty.	
HABL8	120	Hex Socket Head Cap Screw M8 x 15	1	800

**Part Number Example**

Part Number: **HABL8**

**Application Example**

Holes are tapped on the bracket for cover mounting. For aluminum extrusions with two slots, brackets can be mounted on both sides.

**Connection Method**

Step	Front View	Side view	Sketch Drawing
1			
2			
3			
4			

Place two aluminum extrusions and adjust the frame positions.

Fit the joint bracket (2) in the slot of the aluminum extrusions.

Cover the joint bracket (2) on the joint plate (1).

Ⓢ Overtightening may cause deformation of joint plates.

(3) Tighten a hexagon socket head cap screw to fix the plate. (Reference Tightening Torque 15 Nm)

**Reversal Tabbed Brackets**

**HBLFSSW8**

**Material:** Aluminum Casting Alloy ADC12

Part Number	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Qty.	T Nut	Qty.	
HBLFSSW8	105	CBM8-20	4	HNTT8-8	4	3087

**Part Number Example**

Part Number: **HBLFSSW8**

**Part Number Alterations**

Part Number: **HBLFSSW8** - (C / SET / SST / SEU / SSU / SEP / SSP / SEC)    Alterations: **SET C-SET**

**Application Example**

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