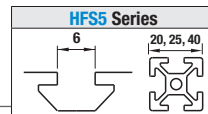


Brackets (HFS5 Series)

20, 25, 40 mm Square



Features: Tabbed Brackets to be connected by both L and Cross-Connections.

Tabbed Brackets – Reversal

Type	Material	Surface Treatment	
(1) HBLFSNF5	Aluminum Casting Alloy ADC12	—	
(2) HBLFSN5			
(3) HBLFSN5-4			
(4) HBLFSNB5			Black Anodize
(5) HBLFSNM5			Electroless Nickel Plating
(6) CHBLFSN5			Baked-on Finish (Silver)

*Baked-on Finish (Silver) is color coordinated with Clear Coating Extrusions.

Reversal Tabbed Brackets (Depth 20 m)
HBLFSNF5

Reversal Tabbed Brackets (For M4 Screw)
HBLFSN5
HBLFSN5-4 (Black Anodize)
HBLFSNB5 (Black Anodize)
HBLFSNM5 (Electroless Nickel Plating)
CHBLFSN5 (Baked-on Finish, Silver)

*HBLFSN5-4 is Ø4.2.

Part Number Type	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Qty.	T Nut	Qty.	
HBLFSNF5	13	CBM5-10	2	HNTT5-5	2	1176
HBLFSN5 HBLFSN5-4 (For M4 Screw)	15			CBM4-10		
HBLFSNB5* (Black Anodize)		CBM5-10	HNTT5-5			
HBLFSNM5 (Electroless Nickel Plating)						
CHBLFSN5 (Baked-On Finish, Silver)						

*For repairing black anodizing, refer to P.2965

Features: One-Sided Tabbed Rib Brackets. Easy to work with wrenches.

One-Side Rib Brackets

Type	Material	Surface Treatment
HBLFSL5	Aluminum Casting Alloy ADC12.0	—
HBLFSLB5		Cathodic Electrodeposition Coating: Black
HBLFSLM5		Electroless Nickel Plating

HBLFSL5
HBLFSLB5 (Cathodic Electrodeposition Coating: Black)
HBLFSLM5 (Electroless Nickel Plating)

Part Number Type	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Qty.	T Nut	Qty.	
HBLFSL5	13	CBM5-10	2	HNTT5-5	2	1176
HBLFSLB5* (Cathodic Electrodeposition Coating: Black)						
HBLFSLM5 (Electroless Nickel Plating)						

*For repairing black anodizing, refer to P.2965

Features: Pressing nuts against the long tabs makes cumbersome hole positioning unnecessary.

Nut-Fixing Brackets

Type	Material	Surface Treatment
HBLFSR5	ADC12 Aluminum Alloy Cast	—

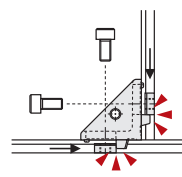
HBLFSR5

Part Number Type	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Qty.	T Nut	Qty.	
HBLFSR5	15	CBM5-10	2	HNTT5-5	2	1176

Application Example

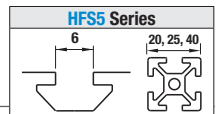
When nuts are wedged through until the tab, hole positions of bracket and nuts are aligned and fine adjustment becomes unnecessary.

⊗ Not applicable to Short Nuts (HNTM and HNTAM).



Brackets (HFS5 Series)

20, 25, 40 mm Square



Features: Brackets with single side tabs. Panels can be mounted on the side without tabs as shown in the example.

Brackets with Single Side Tab

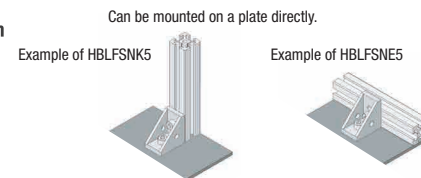
Type	Material
HBLFSNK5 HBLFSNE5	Aluminum Casting Alloy ADC12
HBLFSNK5 HBLFSNE5	

HBLFSNK5 Side View
HBLFSNE5 Side View

*Use one hole between the two holes in the figure. (Depends on the attaching direction)

Part Number Type	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Qty.	T Nut	Qty.	
HBLFSNK5 HBLFSNE5	15	CBM5-10	2	HNTT5-5	2	1176

Application Example



Features: Reversal Tabbed Brackets with Cover. Designed to prevent dust build-up.

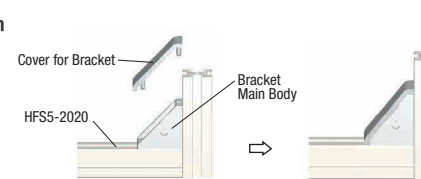
Brackets with Caps

Type	Material
HBLFSNT5	Aluminum Casting Alloy ADC12 (Main Body), Polyamide Black (Cover)
HBLFSNT5	

Bracket for Covers
Cover for Brackets

Part Number Type	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Qty.	T Nut	Qty.	
HBLFSNT5	17	CBM5-10	2	HNTT5-5	2	1176

Application Example

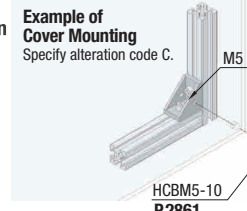


Part Number Example	Part Number
	HBLFSN5 HBLFSL5 HBLFSR5 HBLFSNK5 HBLFSNE5

Part Number Alterations	Part Number	Alterations
	HBLFSNK5	- (C / SET / SST / SEU / SSU / SEP / SSP / SEC)

Alterations	Code	Spec.	Applicable Brackets
Mounting Holes for Cover	C	Adds taps on a bracket for cover mounting. (M5 on Both Sides) (Mounting screw P.2861 HCBM)	HBLFSNF5
			HBLFSN5
			HBLFSN5-4
			HBLFSNB5
			HBLFSNM5
			CHBLFSN5
			HBLFSL5
			HBLFSLB5
			HBLFSLM5
			HBLFSR5
			HBLFSNK5
			HBLFSNE5
HBLFSNT5			

Application Example



Alterations	Code	Spec.	Applicable Brackets	Available Types																														
				SET	SST	SEU	SSU	SEP	SSP	SEC																								
Applicable Screws and Nuts Set	SET (Stainless Steel) SEU (Pre-Assy. Insertion Spring Nuts) SSU (Pre-Assy. Insertion Spring Nuts Stainless Steel) SEP (Post-Assy. Insertion Spring Nuts) SSP (Post-Assy. Insertion Spring Nuts Stainless Steel) SEC (Captured Washer Screws Nuts)	Applicable screw and nuts for fixing the brackets on extrusions come in a set. (Adds to the bracket price) (Ex.) When HBLFSN5 is specified, <table border="1"> <thead> <tr> <th>Code</th> <th>Screws</th> <th>Nuts</th> </tr> </thead> <tbody> <tr> <td>SET</td> <td>CBM5-10</td> <td>HNTT5-5</td> </tr> <tr> <td>SST</td> <td>SCB5-10</td> <td>HNTTBS5-5</td> </tr> <tr> <td>SEU</td> <td>CBM5-10</td> <td>HNTU5-5</td> </tr> <tr> <td>SSU</td> <td>SCB5-10</td> <td>SHNTU5-5</td> </tr> <tr> <td>SEP</td> <td>CBM5-10</td> <td>HNTTP5-5</td> </tr> <tr> <td>SSP</td> <td>SCB5-10</td> <td>SHNTTP5-5</td> </tr> <tr> <td>SEC</td> <td>HCBST5-12</td> <td>HNTT5-5</td> </tr> </tbody> </table>	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	HNTTP5-5	SSP	SCB5-10	SHNTTP5-5	SEC	HCBST5-12	HNTT5-5	HBLFSNF5							
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			SSP	SCB5-10	SHNTTP5-5																													
			SEC	HCBST5-12	HNTT5-5																													
			HBLFSN5	•	•	•	•	•	•	•	•																							
			HBLFSN5-4	•	•	•	•	•	•	•	•																							
			HBLFSNB5	•	•	•	•	•	•	•	•																							
HBLFSNM5	•	•	•	•	•	•	•	•																										
CHBLFSN5	•	•	•	•	•	•	•	•																										
HBLFSL5	•	•	•	•	•	•	•	•																										
HBLFSLB5	•	•	•	•	•	•	•	•																										
HBLFSLM5	•	•	•	•	•	•	•	•																										
HBLFSR5	•	•	•	•	•	•	•	•																										
HBLFSNK5	•	•	•	•	•	•	•	•																										
HBLFSNE5	•	•	•	•	•	•	•	•																										
HBLFSNT5	•	•	•	•	•	•	•	•																										

⊗ 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.