

Extrusions (HFS6 Series)

Curved Aluminum (30 mm Square)

HFS6 Series		Fixing Parts			Others	
Brackets	Nuts	Joints	Extrusion End Caps	Alteration		
P.2735-2753	P.2753-2763	P.2844-2857	P.2764-2765	P.2862-2875		

Features: Bending is applied to HFS6-3030.

HFS6 Series Extrusions Parallel - Curved Aluminum

HFSMG6

HFSFMG6

R: Length to the Frame Center

⊗ Bending is applied after anodizing; therefore, bent section may slightly discolor and become white.

⊗ A and B dimensions not indicated in the price list are not available.

⊗ For R=140, the extrusion slot may be deformed and become narrower in width at the spot where the extrusion is bent. Therefore, slot nuts cannot be used.

(For dedicated Curved Panels, refer to P.3081)

Material: A6N01SS-T5 Aluminum Alloy
Surface Treatment: Anodize

Part Number		A	B	R*	Series	Mass	Sectional Area	Cross Sectional Moment of Inertia mm ⁴	
Type	No.	1 mm Increment	1 mm Increment			kg/m	mm ²	ξ _x	ξ _y
HFSMG HFSFMG	6-3030	200-1500	200-1000	140 300* 500*	HFS6	0.90	333	2.83 x 10 ⁴	2.83 x 10 ⁴

*Bent panels for R300 and R500 are not available.

Part Number Example
 Part Number - A - B - R
 HFSMG6-3030 - A350 - B700 - R140

Part Number	A	Available Types																		
		R140						R300						R500						
		B						B						B						
Type	No.	200-300	301-400	401-500	501-600	601-700	701-800	801-900	901-1000	400-500	501-600	601-700	701-800	801-900	901-1000	600-700	701-800	801-900		
HFSMG HFSFMG	6-3030	200-300	•	•	•	•	•	•	•	—	—	—	—	—	—	—	—	—		
		301-400	•	•	•	•	•	•	•	—	—	—	—	—	—	—	—	—	—	
		401-500	•	•	•	•	•	•	•	•	—	—	—	—	—	—	—	—	—	
		501-600	•	•	•	•	•	•	•	•	—	—	—	—	—	—	—	—	—	
		601-700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
		701-800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		801-900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		901-1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		1001-1100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		1101-1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		1201-1300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		1301-1400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1401-1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		

Part Number Alterations
 Part Number - A - B - R - (LTP / RTP / TPW, etc.)
 HFSMG6-3030 - A601 - B500 - R300 - LTP-RCV

Blind Joints (Pre-Assy. Insertion Double Joint) Connecting Example

Alterations	Tap (P.2864)			D Hole (P.2871)				M Hole (P.2873)				S Hole (P.2872)				Wrench Hole (P.2868)					
	LTP	RTP	TPW	LDH	LDV	RDH	RDV	LMH	LMV	RMH	RMV	LSH	LSV	RSH	RSV	LCH	LCV	LCP	RCH	RCV	RCP
Spec.	Tapping to the center hole Tap Shape M8 Depth 24 LTP: Tapping on the Left End Face RTP: Tapping on the Bottom End Face TPW: Tapping on the Both Ends Ex. LTP			Adds D type hole in specified position. LDH, RDH: D hole is machined on the left (bottom) of the extrusion from the horizontal direction. Ex. LDH LDV, RDV: D hole is machined on the left (bottom) of the extrusion from the vertical (right) direction. Ex. RDV				Adds M type hole in specified position. LMH, RMH: M hole is machined on the left (bottom) of the extrusion from the horizontal direction. Ex. LMH LMV, RMV: M hole is machined on the left (bottom) of the extrusion from the vertical (right) direction. Ex. RMV				Adds S type hole in the specified position. LSH, RSH: D hole is machined on the left (bottom) of the extrusion from the horizontal direction. Ex. LSH LSV, RSV: D hole is machined on the left (bottom) of the extrusion from the vertical (right) direction. Ex. RSV				LCH, RCH Wrench hole is machined on the left (bottom) of the extrusion from the horizontal direction. Ø8 Ex. RCH LCV, RCV Wrench hole is machined on the left (bottom) of the extrusion from the vertical (right) direction. Ex. LCV LCP, RCP Wrench hole is machined on the left (bottom) of the extrusion from the vertical (right) direction. Ex. LCP					
Applicable Extrusions																					

Tabbed Brackets (HFS6 Series)

Slot Type: HFS6 Series (Aluminum Extrusions 30, 60 mm Square)

HFS6 Series		Fixing Parts			Others	
Brackets	Nuts	Joints	Extrusion End Caps	Alteration		
P.2735-2753	P.2753-2763	P.2844-2857	P.2764-2765	P.2862-2875		

Features: Brackets with tabs to fit in slots of extrusions and stop rotating when tightening. Excels in work efficiency.

Tabbed Brackets

Type	Material	Surface Treatment
HBLFS6	Aluminum Casting Alloy ADC12	—
HBLFSB6		Cathodic Electrodeposition Coating: Black

HBLFS6
HBLFSB6 (Cathodic Electrodeposition Coating: Black)

Part Number	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Qty.	T Nut	Qty.	
HBLFS6 HBLFSB6 (Cathodic Electrodeposition Coating: Black)	13	CBM6-12	2	HNTT6-6	2	1176

Application Example

Used for parallel-connections.



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

Reversal Tabbed Brackets

Type	Material	Surface Treatment
(1) HBLFSN6	Aluminum Casting Alloy ADC12	—
(2) HBLFSN6-5		Black Anodize
(3) HBLFSNB6		Electroless Nickel Plating
(4) HBLFSNM6		Baked-On Finish (Silver)
(5) CHBLFSN6		Baked-On Finish (Silver)

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

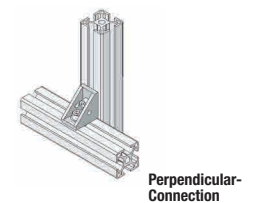
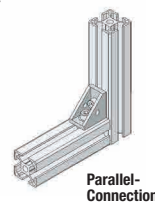
HBLFSN6
HBLFSN6-5 (For M5 Screw)
HBLFSNB6 (Black Anodize)
HBLFSNM6 (Electroless Nickel Plating)
CHBLFSN6 (Baked-on Finish, Silver)

*Ø5.2 when HBLFSN9-5 is specified.

Part Number	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Qty.	T Nut	Qty.	
HBLFSN6	15	CBM6-12	2	HNTT6-6	2	1176
HBLFSN6-5 (For M5 Screw)		CBM5-12		HNTT6-5		
HBLFSNB6* (Black Anodize)		CBM6-12	2	HNTT6-6		
HBLFSNM6 (Electroless Nickel Plating)						
CHBLFSN6 (Baked-on Finish / Silver)						

Application Example

Can be installed in either direction.



*For repairing black anodizing, refer to P.2965

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

One-Side Rib Brackets

HBLFSL6

Material: Aluminum Casting Alloy ADC12

Part Number	Mass (g)	Applicable Screw, T Nut				Allowable Load (N)
		Screw	Quantity	T Nut	Quantity	
HBLFSL6	17	CBM6-12	2	HNTT6-6	2	1176

Application Example

