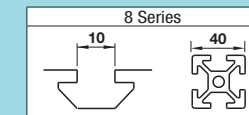


8 Series Aluminum Extrusions 40, 80mm Square

Bent Aluminum Extrusions / Slot Width Mixed Extrusions / Brackets for Reinforcement



Fixing Parts			Others	
Brackets	Joints	Nut	Extrusion End Caps	Alterations
P641 ~ P658	P659 ~ P664	P667 ~ P676	P677	P755 ~ P768

■Features: Bending is applied to HFS8-4040.

Bent Aluminum Extrusions

HFSMG8

HFSFMG8

Only this side of HFSFMG8 has no slot.

R : Length to the Extrusion Center

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

⚠ When R=140, the frame slot may be deformed and becomes narrower in width at the spot where the frame is bent. Therefore, slot nut cannot be used.

Ⓜ Material: A6N01SS-T5

Ⓢ Surface Treatment: Anodize

Part Number		A	B	R*	Series	Mass	Sectional Area	Cross Sectional Moment of Inertia
Type	No.	1mm Increment	1mm Increment			kg/m	mm ²	mm ⁴
HFSMG	8-4040	200~1500	200~1000	140	HFS8	1.73	640	10.4x10 ⁴
HFSFMG				300*				500*

* Bent panels for R300 and R500 are not available.

Ⓜ Material: A6N01SS-T5

Ⓢ Surface Treatment: Anodize

Ⓜ Example: HFSMG8-4040 - A350 - B700 - R140

Insert Panel Clamps (P.789) into slots to secure panels.

(Please be sure not to insert the panel clamp to the spot where the extrusion is bent.)

Part Number	A	Unit Price																
		R140				R300				R500								
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	8-4040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HFSFMG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

■Features: Bent Aluminum Extrusions with a 140mm radius.

90-Degree Bent Aluminum Extrusions for Corner

HFSMGQ8-4040

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

⚠ The slot shape may change during the bending process, resulting in narrow slot width.

Ⓜ Material: A6N01SS-T5

Ⓢ Surface Treatment: Anodize

Part Number		R	Slot Width	Mass	Sectional Area	Cross Sectional Moment of Inertia	Unit Price
Type	No.			kg	mm ²	mm ⁴	Qty. 1 - 8 9-120
HFSMGQ8-4040	140	10	1.2	640	10.4x10 ⁴	10.4x10 ⁴	

Ⓜ Example: HFSMG8-4040 - R140

Ⓜ Example: HFSMG8-4040-LDH-RDH (D Type Hole)

Ⓜ Example: HFSMG8-4040-LSH (S Type Hole)

Ⓜ Example: HFSMG8-4040-LDV-RDV (LDH/RDH)

Ⓜ Example: HFSMG8-4040-LRV (LDV/RDV)

Ⓜ Example: HFSMG8-4040-LCP (LCP)

Alterations: HFSMG8-4040 - A400 - B500 - R140 - (LTP, RTP, TPW-etc.) LTP-RCV

Blind Joint (Pre-Assembly Insertion Double Joints) Connecting Examples: LDH (LCH) RDH (RCH), LDV (LCV) RDV (RCV), LCP, RCP

Alterations Code	Tapping (See P.757)		D Type Hole (See P.764)		M Type Hole (See P.766)		S Hole (See P.765)		Wrench Hole (See P.759)			
	LTP	RTP TPW	LDH	LDV RDH RDV	LMH LMV RMH RMV	LSH LSV RSH RSV	LCH LCV RCH RCV	LCP RCP	LCH,RCH	LCV,RCV	LCP,RCP	
Spec.	Tapping to the center hole. Tap Shape M12 Depth 36. LTP: Tapping on the Left End Face. RTP: Tapping on the Bottom End Face. TPW: Tapping on both ends. Ex. LTP	Ex. LDH	Ex. LMH	Ex. LSH	Ex. LCH,RCH	Ex. LCV,RCV	Ex. LCP,RCP					
Applicable Extrusion	HFSMG8-4040 HFSFMG8-4040											

■Features: Mixed Slot Width Extrusions of HFS6 and HFS8 series as well as HFS5 and HFS8 series.

Aluminum Extrusions - Slot Width Mixed

HFS8-6T-4040

HFS8-6H-4040

HFS8-5Y-2040

Ⓜ Material: A6N01SS-T5

Ⓢ Surface Treatment: Clear Anodize

⚠ Cut surfaces are not anodized.

Part Number		L	Mass	Sectional Area	Cross Sectional Moment of Inertia	Unit Price (Less than 300mm)	Unit Price/m (300mm or More)
Type	Shape No.	0.5mm Increment	kg/m	mm ²	mm ⁴		
HFS8-6	T	4040	1.86	767	11.14x10 ⁴		
HFS8-6	H	4040	1.90	704	10.74x10 ⁴		
HFS8-5	Y	2040	1.12	418	1.70x10 ⁴		

Ⓜ Example: HFS8-6T-4040 - 800

Alterations: HFS8-6T-4040 - L - (Alterations Code) - TPW

Alterations	Spec. Code	Tapping (Main Body +) ⚠ Not applicable to HFS8-5Y.		
		Tap Shape	Left	Right
HFS8-6	T	M12 Depth 36	LTP	RTP
	H			TPW

⚠ For details of tapping, refer to P.757.

■Features: Reinforcement Brackets machined from extrusions. Usable on locations needing more strength after connecting with brackets.

Brackets for Reinforcement

GFBL8-4040
GFBL8-4080

Ⓜ Material: A6061SS-T6 Equivalent

Ⓢ Surface Treatment: Anodize

(No surface treatment on 45 deg. cut ends and counterbores.)

⚠ This product is for reinforcement, not for single use. Can be used with bracket connections.

⚠ Use Washer Integrated Screws (SCBS8-20) to connect to extrusions.

Part Number		L	Applicable Screw and Nut	L100-300		L301-500	
Type	No.	1mm Increment	Screw	Quantity	Nut	Unit Price	Volume Discount Rate
GFBL8	4040	100-500	SCBS8-20	2	HNIT8-8		
	4080			4			

Alterations: GFBL8-4040 - L - (SET, SST, SEU, SSU, SEP, SSP) SET

Ⓜ Example: GFBL8-4040 - L - 300

Alterations	Code	Spec.	Applicable Bracket
	SET	Applicable screws and nuts for fixing the brackets on extrusions come in a set. (Adds to the bracket price.)	GFBL8-4040
	SST		
	SEU		
	SSU		
	SEP		
	SSP		
	SEP	⚠ Screws for Brackets for Reinforcement are SCBS8-20 (P.178).	GFBL8-4080

⚠ Not RoHS compliant when -SET, -SEU or -SEP are specified.