

Extrusions for Safety Mesh Fences

The paint color for the Yellow Type is D22-80V (Japan Paint Ind. Assoc.) ref. Mussel 2.5Y8/12.

Extrusions for Safety Mesh Fences

For 3mm Panel * marked slots are common to HFS Series.
HFFS6-3030 **HFFH6-3030** **HFVS6-3030** **HFVH6-3030**
HFFSY6-3030 (Yellow) **HFFHY6-3030** (Yellow)

RoHS10

Type	Material	Surface Treatment
HFFS	A6063S-T5	Anodized
HFFH		
HFVS		
HFVH		Baked Finish (Yellow)
HFFSY		
HFFHY		

Part Number	L 0.5mm Increment (Tolerance±0.5)	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴ I_x	Cross Sectional Moment of Inertia mm ⁴ I_y	Unit Price Less than 300mm	Unit Price/m 300mm or more
HFFS6-3030	50-4000	0.70	259	2.35x10 ⁴	2.28x10 ⁴		
HFFS6-3030 (Yellow)							
HFFH6-3030							
HFFHY6-3030 (Yellow)							
HFVS6-3030							
HFVH6-3030							

Extrusions for Safety Mesh Fences

For 3mm Panel * marked slots are common to HFS Series.
HFFS8-4040 **HFFH8-4040** **HFVS8-4040** **HFVH8-4040**
HFFSY8-4040 (Yellow) **HFFHY8-4040** (Yellow)

RoHS10

Type	Material	Surface Treatment
HFFS	A6063S-T5	Anodized
HFFH		
HFVS		
HFVH		Baked Finish (Yellow)
HFFSY		
HFFHY		

Part Number	L 0.5mm Increment (Tolerance±0.5)	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴ I_x	Cross Sectional Moment of Inertia mm ⁴ I_y	Unit Price Less than 300mm	Unit Price/m 300mm or more
HFFS8-4040	50-4000	1.08	399	5.94x10 ⁴	5.99x10 ⁴		
HFFS8-4040 (Yellow)							
HFFH8-4040							
HFFHY8-4040 (Yellow)							
HFVS8-4040							
HFVH8-4040							

Part Number - L
HFFS6-3030 - 800

Part Number - L - (Alteration Code)
HFFS6-3030 - 1000 - LTP-XA15-XB900

Alterations Code	Tapping on the Left End Face	Tapping on Both Ends	Counterbored hole machining on the specified position.
LTP	Hole tapped on the left end of an extrusion.	Holes tapped on both ends of an extrusion.	Machines counterbored holes on the specified position. (Distance from left edge) Up to 10 counterbored holes can be machined. (0.5mm Increment) Dimensions and directions of the counterbored holes are shown in the drawing below.
TPW			

Spec.

<Tap Shape>
HFFS6-3030, HFFH6-3030, HFFSY6-3030, HFFHY6-3030 → M8 Depth 24
HFFS8-4040, HFFH8-4040, HFFSY8-4040, HFFHY8-4040 → M12 Depth 36

<Details of Counterbored Hole Dimensions>

Extrusion	HFFS6-3030, HFVS6-3030, HFFSY6-3030	HFFS8-4040, HFVS8-4040, HFFSY8-4040
d	9	13
d1	14	19
h	9	12.5

Ordering Example: HFFS6-3030-230-XA15-XB100-XC185

Features of Extrusions for Safety Mesh Fences
Slot shape is the same as that of aluminum extrusion HFS series except the dedicated slots for mesh fences. All other accessories for the HFS Series (nuts, extrusion end caps, etc.) can be used.

*Select the dimensions of Fence within (Inner Dimension of Frame + Frame Groove Depth x 2) - 2 mm.

How to Assemble

Procedure 1
Connect frame extrusions with counterbored holes and end tapped holes using hex socket cap screws.
* Use hex socket head cap screws (SCB12-60) when connecting HFFS8-4040 extrusions.

Procedure 2
Insert a mesh fence into a dedicated slot.
* The slots may be slightly tight.

Procedure 3
Connect the extrusions in the same manner as Step 1 to complete.

Safety Mesh Fence Unit Accessory Options

- HFC6-3030-B (P.627)
- HFUST (P.852)
- UPCN (P.828)
- HFPSN (P.805)
- HSUKJ (P.823)
- SOCM (P.846)
- HFTANK (P.844)
- HPTSS (P.615)
- FENP (P.943)

Accessories for Safety Mesh Fence Units

SCB (Stainless Steel)

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Material: SUSXM7
JIS B 1176
* Strength Class A2-70

*A2-70(SCB)
It indicates that the minimum value of nominal tensile strength is 700N/mm² (71kgf/mm²).
The steel class is A2 (Austenitic Stainless Steel)

Part Number	MxP	ℓ	A	E	B	Unit Price	Volume Discount Rate
Type	M-L					1-9 pc(s)	10-29
SCB	8-40	8x1.25	28	13	8	6	
	12-60	12x1.75	36	18	12	10	

Ordering Example
Part Number
SCB8-40

HFC6-3030 **HFC8-4040**

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Material: Polyamide (Black, Light Gray, Yellow)

The projected portion in the center has been shortened.

HFCB6-3030 (Screw Mounting Type) **HFCB8-4040** (Screw Mounting Type)

Example

<Before Installation> <After Installation>

HFCB8-4040-B

Tapping on the extrusion is not required.

Connecting Adjacent Extrusions (30 Square Type)

Install extrusion end caps as needed.

HFC6-3030-B

HPTSS6-SET (P.615)

Ordering Example
Part Number - Color
HFCB6-3030 - B

Part Number	Color	Unit Price	Volume Discount Rate	Applicable Extrusion
Type	No.	1-14 pc(s).	15-19	20-500
HFC6	3030	B (Black) S (Light Gray)		HF□□6-3030 HF□□Y6-3030
HFC8	4040	B (Black) S (Light Gray)		HF□□8-4040 HF□□Y8-4040
HFCB6	3030	B (Black) S (Light Gray) Y (Yellow)		HF□□6-3030 HF□□Y6-3030
HFCB8	4040	B (Black) S (Light Gray) Y (Yellow)		HF□□8-4040 HF□□Y8-4040

*Flat head screws are included with the Screw Mounting Type.
3030 Type (Black: HFBMB4-12 / Light Gray, Yellow: SHFBS4-12)
4040 Type (Black: HFBMB5-15 / Light Gray, Yellow: SHFBS5-15)

Door Stop Plates (for Hinged Doors)

HFUST6
HFUST8

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Material: SPHC
Surface Treatment: Trivalent Chromate

*Required nuts and screws are specific to the extrusion size.

Example

Part Number	Applicable Extrusion (Series)	Accessory	Unit Price	Volume Discount Rate				
Type	No.	Screw	Quantity	Nut				
HFUST	6	HF□□6-3030 HF□□Y6-3030	SCB6-10	2	HNTT6-6	2	1-4 pc(s)	5-300
	8	HF□□8-4040 HF□□Y8-4040	SCB6-15	2	HNTT8-6	2		

Ordering Example
Part Number
HFUST6