

# Safety Mesh Fences

## Extrusions

The paint color for the Yellow Type is D22-80V (Japan Paint Ind. Assoc.) ref. Mussel 2.5YR6/14.

**Safety Mesh Fence – Extrusion**

RoHS 10

Type	Material	Surface Treatment
HFFS HFFH HFFV HFFVH	6063-T5 Aluminum Alloy	Clear Anodize
HFFSY HFFHY		Baked Finish (Yellow)

**For 3mm Panel**  
HFFS6-3030  
HFFSY6-3030 Yellow

HFFH6-3030  
HFFHY6-3030 Yellow

**For 5mm Panel**  
HFVS6-3030

HFFVH6-3030

\*marked slots are common with the HFS Series

Part Number	L 0.5mm Increment (Tolerance ±0.5)	Mass kg/m	Sectional Area mm <sup>2</sup>	Cross Sectional Moment of Inertia mm <sup>4</sup>	
				ℓ <sub>x</sub>	ℓ <sub>y</sub>
HFFS6-3030	50-4000	0.72	268	1.59 x 10 <sup>4</sup>	1.56 x 10 <sup>4</sup>
HFFSY6-3030 Yellow					
HFFH6-3030					
HFFHY6-3030 Yellow					
HFVS6-3030					
HFFVH6-3030					

**Safety Mesh Fence – Extrusion**

RoHS 10

Type	Material	Surface Treatment
HFFS HFFH HFFV HFFVH	6063-T5 Aluminum Alloy	Clear Anodize
HFFSY HFFHY		Baked Finish (Yellow)

**For 3mm Panel**  
HFFS8-4040  
HFFSY8-4040 Yellow

HFFH8-4040  
HFFHY8-4040 Yellow

**For 5mm Panel**  
HFVS8-4040

HFFVH8-4040

\*marked slots are common with the HFS Series

Part Number	L 0.5mm Increment (Tolerance ±0.5)	Mass kg/m	Sectional Area mm <sup>2</sup>	Cross Sectional Moment of Inertia mm <sup>4</sup>	
				ℓ <sub>x</sub>	ℓ <sub>y</sub>
HFFS8-4040	50-4000	1.09	405	2.97 x 10 <sup>4</sup>	3.09 x 10 <sup>4</sup>
HFFSY8-4040 Yellow					
HFFH8-4040					
HFFHY8-4040 Yellow					
HFVS8-4040					
HFFVH8-4040					

**Part Number Example**  
Part Number - L  
HFFS6-3030 - 800

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

Alterations Code	Tapping on the Left End Face	Tapping on Both Ends	Counterbore Hole Machining on the Specified Position												
	LTP	TPW	XA XB XC XD XE												
Spec.	<p>Hole tapped on left end of an extrusion</p> <p>Tap Shape HFFS6-3030, HFFH6-3030 HFFSY6-3030, HFFHY6-3030 ~M8 Depth 24 HFFS8-4040, HFFH8-4040 HFFSY8-4040, HFFHY8-4040 ~M12 Depth 36</p>	<p>Holes tapped on both ends of an extrusion</p> <p>Tap Shape HFFS6-3030, HFFH6-3030 HFFSY6-3030, HFFHY6-3030 ~M8 Depth 24 HFFS8-4040, HFFH8-4040 HFFSY8-4040, HFFHY8-4040 ~M12 Depth 36</p>	<p>Machines counterbore holes at the specified position. (Distance from the left end) Up to 10 positions can be specified. (0.5mm Increment) Dimensions and directions of the counterbore holes are shown in the table below.</p> <p>Order example (1) HFFS6-3030-230-XA15-XB100-XC185</p> <p>Details of counterbore hole dimensions</p> <table border="1"> <thead> <tr> <th>Extrusion</th> <th>HFFS6-3030 HFFSY6-3030</th> <th>HFFS8-4040 HFFSY8-4040</th> </tr> </thead> <tbody> <tr> <td>d</td> <td>9</td> <td>13</td> </tr> <tr> <td>d<sub>c</sub></td> <td>14</td> <td>19</td> </tr> <tr> <td>h</td> <td>9</td> <td>12.5</td> </tr> </tbody> </table>	Extrusion	HFFS6-3030 HFFSY6-3030	HFFS8-4040 HFFSY8-4040	d	9	13	d <sub>c</sub>	14	19	h	9	12.5
Extrusion	HFFS6-3030 HFFSY6-3030	HFFS8-4040 HFFSY8-4040													
d	9	13													
d <sub>c</sub>	14	19													
h	9	12.5													

**Application Example**  
Features of Safety Mesh Fence  
Slots other than slots designed for fence nets are the same slot as aluminum extrusion HFS series. All other accessories for the HFS Series (nuts, extrusion caps, etc.) can be used.

**How to assemble**

**Safety Mesh Fence Unit Accessory Options**

- HFC6-3030-B P2764
- HFUST P2975
- UPCNP P3247
- HHPSP P3255
- HSUKJ P2954
- SQCM P2930
- HFTANK P2934
- HPTSS P2754

# Safety Mesh Fence / Doorstop for Hinged Doors

## Accessories

**Safety Mesh Fence – Accessories**

RoHS 10

**SCB Stainless Steel**

Material: 302HQ Stainless Steel JIS B 1176  
\* Strength Class A2-70

\* A2-70 (SCB)  
It indicates that the minimum value of nominal tensile strength is 700 N/mm<sup>2</sup> (71 kgf/mm<sup>2</sup>).  
The steel class is A2 (Austenitic Stainless Steel)

**Safety Mesh Fence Unit – Accessories**

RoHS 10

Material: Polyamide (Black, Lt. Gray, Yellow)

**HFC6-3030**

**HFC8-4040**

**HFCB6-3030 Bolt Fixing Type**

**HFCB8-4040 Bolt Fixing Type**

Type	No.	Color	Applicable Extrusion
HFC6	3030	B (Black)	HFF_6-3030 HFF_Y6-3030
		S (Light Gray)	HFF_8-4040 HFF_Y8-4040
HFCB6	3030	B (Black)	HFF_6-3030 HFF_Y6-3030
		S (Light Gray)	HFF_8-4040 HFF_Y8-4040
		Y (Yellow)	
HFCB8	4040		

Flathead countersink screw is included for Screw Mount Type.  
3030 Type (Blk: HFBMB4-12, Lt. Gray-Yellow: SHFBS4-12)  
4040 Type (Blk: HFBMB5-12, Lt. Gray-Yellow: SHFBS5-15)

**Doorstop for Hinged Doors**

RoHS 10

**HFUST6 HFUST8**

Material: Low Carbon Steel  
Surface Treatment: Trivalent Chromate  
Required nuts and screws are specific to the extrusion size.

Part Number Type	No.	Applicable Extrusion (Series)	Accessory			
			Screws	Quantity	Nuts	
HFUST	6	HFF_6-3030 HFF_Y6-3030	SCB6-10	2	HNTT6-6	2
	8	HFF_8-4040 HFF_Y8-4040	SCB6-15	2	HNTT8-6	2

Part Number Type	M x P	ℓ	A	E	B	
SCB	8-40	8 x 1.25	28	13	8	6
	12-60	12 x 1.75	36	18	12	10

**Part Number Example**  
Part Number  
SCB8-40

**Application Example**  
Before Installation  
After Installation

HFCB8-4040-B  
Tapping on the frame is not required.

**Connecting Adjacent Extrusions (30 Sq. Type)**

Install extrusion caps as needed.  
HPTSS6-SET (P2754)  
HFC6-3030-B

**Part Number Example**  
Part Number - Color  
HFCB6-3030 - B

**Application Example**

**Part Number Example**  
Part Number  
HFUST6