

Door Units / Aluminum Extrusion Components for Doors

HTUA **HTUB** **HTUC**

Mutual Clearances of Doors

Clearance	500≤W≤659	660≤W≤1399	1400≤W
Clearance	6	5	4

RoHS10

Part No.	Type	Panel Selection (Select a desired material and thickness from the codes below.)	W (Width) 1mm Increment	H (Height) 1mm Increment	Components				
					Extrusion* Parts	Fastening Parts	Handle Parts	Panel Holder Parts	
5	HTUA	Acrylic (Clear) AC (Thickness 5mm) Polycarbonate (Clear) PC (Thickness 5mm) PET (Clear) PY (Thickness 5mm) Anti-static PVC (Clear) ST (Thickness 5mm) No Panel NN (Thickness 5mm)	250-1000 *W≤900 for AC3	250-1000 *H≤800 for AC3	HFTF5-2020	HBLTC5	4 (Mounting Screws included)	1 HHDS90	4 HFSSK5-Length (Thickness 3mm) HFSSK3-Length
6	HTUB	Acrylic (Clear) AC (Thickness 5mm) Polycarbonate (Clear) PC (Thickness 5mm) PET (Clear) PY (Thickness 5mm) Anti-static PVC (Clear) ST (Thickness 5mm) No Panel NN (Thickness 5mm)	500-1000 *W≤900 for AC3	1000-2000 *H≤1800 for AC3	HFS6-3030	HBLBCA6 HCJ6	4 2	1 UPCN21-B-36-SST	8 (Thickness 5mm) HSCP3H-Length (Thickness 3mm) HSCP5H-Length (Thickness 3mm) HSCP7H-Length
5	HTUC	Acrylic (Clear) AC (Thickness 5mm) Polycarbonate (Clear) PC (Thickness 5mm) PET (Clear) PY (Thickness 5mm) Anti-static PVC (Clear) ST (Thickness 5mm) No Panel NN (Thickness 5mm)	500-2000 *W≤1800 for AC3	250-1000 *H≤900 for AC3	HFTF5-2020	HBLTC5	8 (Mounting Screws included)	2 HHDS90	8 (Thickness 5mm) HFSSK5-Length (Thickness 3mm) HFSSK3-Length

* Aluminum extrusions will have hole machining required for connecting.
* Panel holders are included even with No Panel Type.

Part Number	W(mm)	H/Height						
		250-499	500-749	750-1000	1000-1249	1250-1499	1500-1749	1750-2000
HTUA	5	250-499						
	6	500-749						
	6	750-1000						
HTUB	6	500-749						
	8	750-1000						
	8	1000-1499						
HTUC	5	500-999						
	6	1000-1499						
	6	1500-2000						

	Panel Selection		Material Multiplier
	AC	PC	
Thickness 5mm	Acrylic (Clear)	Polycarbonate (Clear)	x1.0
	PET (Clear)	Anti-static PVC (Clear)	x1.3
			x0.9
Thickness 3mm	Acrylic (Clear)	Polycarbonate (Clear)	x1.1
	PET (Clear)	Anti-static PVC (Clear)	x0.9
			x1.1
No Panel	NN	No Panel	x0.5

Clearances between HTUA/HTUC Doors and the Outer Frame Extrusions.

Recommended X Dimension (Clearance on Hinge Side)

Extrusions used for Outer Frame	A (Door Width)	
	200≤W<300	330≤W<700 700≤W
HFS5-2020	3	2.5
HFS6-3030	3	2.5

Recommended Y Dimension (Clearance on Handle Side)

Extrusions used for Outer Frame	A (Door Width)	
	200≤W<300	330≤W<700 700≤W
HFS5-2020	3	2.5
HFS6-3030	3	2.5

* Mount the support spacers along the circumference.
* The door extrusions require tapping.
* In rare occasion, you may find it difficult to insert the Panel. If that happens, use alcohol or diluted neutral detergent to insert it.

Clearance between HTUB Door and the Outer Frame Extrusions

Door Units	Hinge Type	Outer Frame Extrusions												
		30 Square (HFS6)				40 Square (HFS8)				45 Square (HFS8-45)				
Type	No.	W	H	X	W	H	X	W	H	X	W	H	X	
HTUB	Hinge	A-Y-2	B-4	2	3	2	3	2	3	2	A-Y-2	B-4	1.5	3
	Flag Hinge	A-Y-3.5	B-4	3.5	3	2	3	2	A-Y-4.5	B-4	4.5	3	2	

Door Units	Hinge Type	Outer Frame Extrusions							
		40 sq. (HFS8), 45 sq. (HFS8-45)				Y			
Type	No.	W	H	X	When 200≤W<400	When 400≤W<700	When 700≤W<1000	When 1000≤W	
HTUB	Hinge	A-Y-2	B-4	2	5	4	3	2	
	Flag Hinge	A-Y-4.5	B-4	4.5	5	4	3	2	

Ordering Example: Part Number - Panel - W - H
HTUA6 - AC - 600 - 500

Alterations: Part Number - Panel - W - H - (Alteration Code)
HTUB6 - PC - 900 - 1800 - TN

Alteration	Code	Spec.
Handles are not included.	TN	Shipped without a standard handle included. (Please use a customer provided handle.)

HFTF5-2020 (Door Extrusion)
NFTF5-2020 (Door Extrusion)
Panel Thickness 3 ~ 5mm

HFTF6-3030 (Door Extrusion)
NFTF6-3030 (Door Extrusion)
Panel Thickness 3 ~ 5mm

HFSSK (Support Spacer)

HBLTC5 (Corner Bracket for Door Extrusions)

HBLTC6 (Corner Bracket for Door Extrusions)

Feature of NFTF Series
Material change to A6063SS-T5 led to significant price reduction. Less stress and tensile strength due to material change. (Details: P514)
Color may be slightly different.

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm²	Applicable Panel Thickness	Cross Sectional Moment of Inertia mm⁴		Unit Price Less than 300mm	Unit Price/m 300mm or more
					ℓx	ℓy		
HFTF5-2020	50-4000	0.60	222	3-5	1.01x10⁴	0.87x10⁴		
NFTF5-2020								
HFTF6-3030								
NFTF6-3030								

Part Number	L Selection	Applicable Panel Thickness	t	L1000		L2000		Part Number	Mass (g)	Accessory Screw	Unit Price 1 ? 99 pc(s).	Volume Discount Rate 100-150
				Unit Price (1-9 pc(s))	Unit Price (10-50)	Unit Price (1-9 pc(s))	Unit Price (10-50)					
HFSSK	3	1000	2000	3	2	5	1					
HBLTC	5	45	49	SCBE5-15	2							

* Common to HFTF5-2020, NFTF5-2020, HFTF6-3030, NFTF6-3030. * For orders larger than indicated quantity, please check with WOS.

Ordering Example: Part Number - L
NFTF5-2020 - 450
HFTF5-2020 - 450
HFSSK5 - 1000
HBLTC5

The door extrusions require tapping.

Alterations: Part Number - L - (Alteration Code)
HFTF5-2020 - 800 - TPW

Alterations	Code	Tapping		
		LTP	RTP	TPW
Spec.	Tap Shape	Tapping on the Left End Face	Tapping on the Right End Face	Tapping on Both Ends
	HFTF5-2020 NFTF5-2020	M5-Depth15		
	HFTF6-3030 NFTF6-3030	M8-Depth24		