

Aluminum Frames Standard Units

"Aluminum Frames Standard Units" is a system of ordering a complete set of components for a Extrusion Unit by customers providing only the extrusion type, width (W), depth (D), and height (H) information. Customers can build desired extrusion units just by assembling. For the components, see P.773
 *Customer assembly required. If pre-assembly is required, see P.775

Standard Units Using 4-Side Slotted Extrusions (HFS, GFS)

Bracket Connection Type Selectable Unit Shape	Unit Form BA 	Unit Form BB 	Unit Form BC 	Unit Form BD 	Unit Form BE
	Unit Form HA 	Unit Form HB 	Unit Form HC 	Unit Form HD 	

*High rigidity extrusions are not available for Blind Joint Type.

Selectable Extrusion Shape	HFS Series (Standard Aluminum Extrusion) 	GFS Series (High Rigidity Aluminum Extrusion)
	5-2020 B5-2020, 6-3030 B6-3030, 6L-3030, 5-4040, 8-4040 B8-4040, 8L-4040, 8-4545 B8-4545, 8L-4545, 6-5050, 8-5050, 6-6060, 8-6060, 8-8080, 8-9090 *B indicates black anodized extrusion.	G8-4040, G8-4545

Standard Unit Using 2-Side Slotted Extrusions (HFST)

Bracket Connection Type Selectable Unit Shape	Unit Form BAT 	Unit Form BBT 	Unit Form BCT 	Unit Form BDT 	Unit Form BET
	Unit Form HAT 	Unit Form HBT 	Unit Form HCT 	Unit Form HDT 	

Selectable Extrusion Shape		*3-Side Slotted extrusions (HFST) are used for the bottom and middle sections. *B indicates black anodized extrusion.
	5-2020 B5-2020, 5-4040, 6-3030 B6-3030, 6-6060, 8-4040 B8-4040, 8-4545 B8-4545, 8L-4545	

How to Order

When an "HA" configuration unit W620mm, D480mm, and H570mm with HFS6-3030 extrusions is wanted

HAU **HA** **6-3030-** **W620-** **D480-** **H570**
 Aluminum Frames Standard Units

Unit Form: HA
 Extrusion Type: 6-3030

The extrusions used can be changed to the new EFS Series. The EFS Series extrusions are equally rigid to the HFS Series yet lighter and more economical. Further cost reduction can be achieved with the new EFS Series extrusions.
 *The extrusions denoted with a suffix (E) for the "Extrusion Type" column in the specification tables is changed from the HFS Series to the new EFS Series by placing an E on the end of the P.N. Deduct 3% from the unit prices using the HFS extrusions. (Deductions do not apply to "Alterations". For prices, see the price lists.) P.771, 772
 *A various "Alteration Options" are provided for the Standard Unit system for customer convenience. (See P.769)

Alterations

Pre-Assembly Fitting Spring Nut	Change to Post Assembly Insertion Nuts and Stopper Set	Post-Assembly Insertion Spring Nut	Cover Mounting Hole	Tapping
SN	AN	BN	C	TP
Changes Pre-assembly Insertion Nuts (HNIT) to Pre-assembly Spring Nuts (HNITL).	Change Pre-assembly Insertion Nuts (HNIT) to Post-Assembly Insertion Nuts and Stopper Set (HNITAT)	Changes Pre-assembly Insertion Nuts (HNIT) to Post-assembly Insertion Spring Nuts (HNITP).	Adds tap holes on the bracket for cover mounting.	Adds tapping on the bottom surface of the upright extrusions in four corners.

- *For the component details comprising the unit, see P.773
- *Customer assembly required. If pre-assembly is required, see P.775
- *Extrusions in the middle position of BB, BC, BD and HB, HC, HD unit forms can be moved after assembly, so it is not necessary to specify the position.
- *Extrusions in the middle position of HB, HC or HD unit forms are connected with Pre-Assembly Double Joints.
- *For the load capacity, see P.671
- *The types starting with G are High Rigidity Aluminum Frames.
- *The types starting with B are black anodized extrusions.
- *For Casters and Adjuster Pads (not specifiable in the unit construction scheme), see P.770

Order Example: **Part Number** HAUHC8-4040 - **W** W800 - **D** D500 - **H** H600 **Price** P.771-772
 Delivery: **7** Days **Alterations** P.769

Extrusion end cap protrudes from the extrusion ends by the cap thickness.
 (Common to Bracket Type and Single Joint Type)

Unit	Type	Part Number	W			D			H		
			Unit Form	Extrusion Type	1mm increments	1mm increments	1mm increments	1mm increments	1mm increments	1mm increments	
Standard Unit with 4 Side Slots	Bracket Connection Type	HAU	BA	B5-2020	300-1000	300-1000	300-1000	300-1000	300-1000	300-1000	300-1000
			BB	B6-3030(E)	300-1200	300-1200	300-1200	300-1200	300-1200	300-1200	300-1200
			BC	B8-4040(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800
			BD	B8-4545(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800
			BE	B8-4545(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800
			HA	B6-3030(E)	300-1200	300-1200	300-1200	300-1200	300-1200	300-1200	300-1200
	Blind Joint Type	HAU	HB	B8-4040(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800
			HC	B8-4040(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800
			HD	B8-4545(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800
			BAT	B5-2020	300-1000	300-1000	300-1000	300-1000	300-1000	300-1000	300-1000
			BBT	B6-3030(E)	300-1200	300-1200	300-1200	300-1200	300-1200	300-1200	300-1200
			BCT	B8-4040(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800
Standard Unit with 2 Side Slots	HAU	BDT	B8-4040(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	
		BET	B8-4545(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	
		HAT	B5-2020	300-1000	300-1000	300-1000	300-1000	300-1000	300-1000	300-1000	
		HBT	B6-3030(E)	300-1200	300-1200	300-1200	300-1200	300-1200	300-1200	300-1200	
		HCT	B8-4040(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	
		HDT	B8-4545(E)	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	300-1800	

* Extrusions with (E) suffix can be changed from HFS Series to the EFS Series, by adding an (E) on the end.
 (Example) HAUHA6-3030E-W800-D500-H600

- *G8-4040 is a Standard Unit using GFS8-4040 extrusions.
- *G8-4545 is a Standard Unit using GFS8-4545 extrusions.
- *6L-3030 is a Standard Unit using HFS6L-3030 extrusions.
- *8L-4040 is a Standard Unit using HFS8L-4040 extrusions.
- *8L-4545 is a Standard Unit using HFS8L-4545 extrusions.
- *B5-2020 is a Standard Unit using HFSB5-2020.
- *Black anodized units are not available for 2 Side Slot Type and Blind Joint Type.