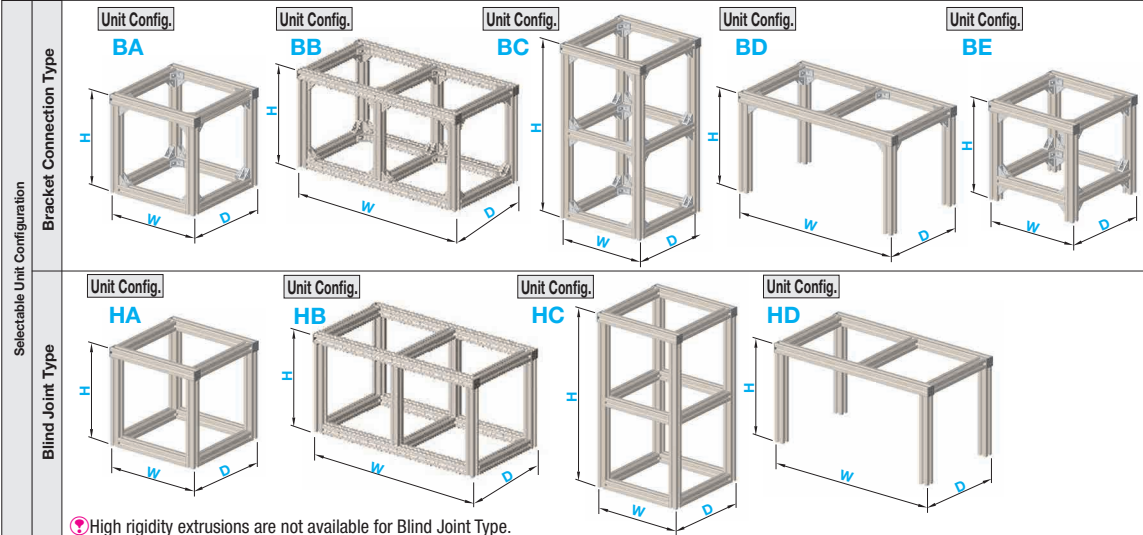


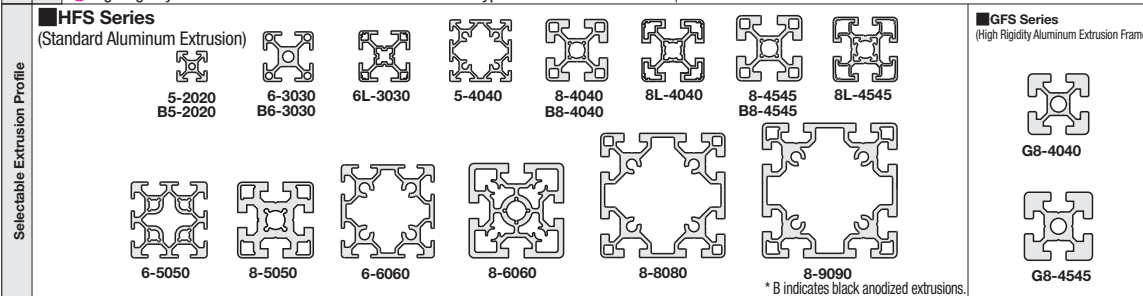
# Aluminum Extrusions Standard Units

"Aluminum Extrusions Standard Units" is a system of ordering a complete set of components for a Frame Unit by customers providing only the extrusion type, width (W), depth (D), and height (H) information. Customers merely assemble the materials arrived to construct desired units. For the components, see **P.865**  
 ⚠ Customer assembly required. (If temporarily assembled units are to be delivered, see **P.867**.)

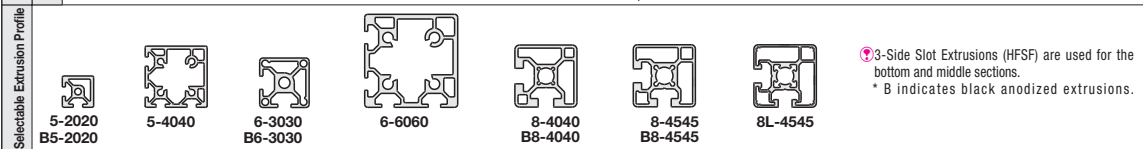
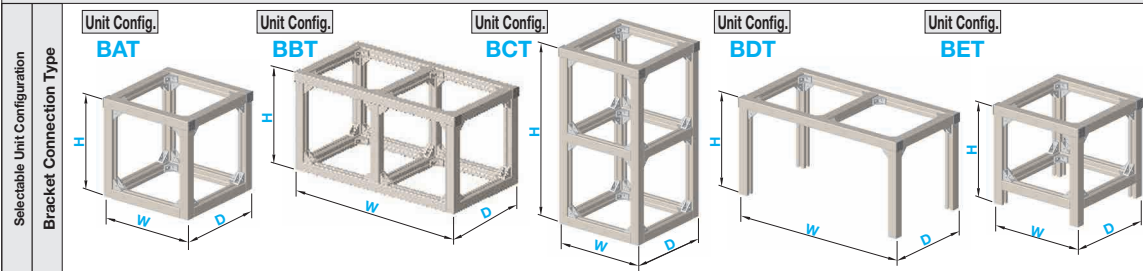
## Standard Units using 4-Side Slotted extrusions (HFS, GFS).



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

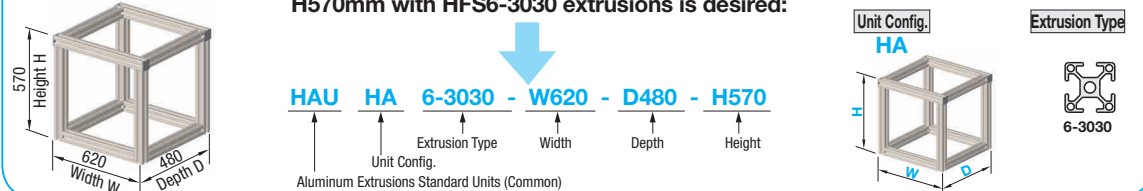


## Standard Unit Using 2-Side Slot Extrusions (HFST)



### How to Order

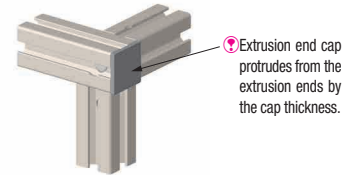
When an "HA" configuration unit of W620mm, D480mm and H570mm with HFS6-3030 extrusions is desired:



### Alterations

Pre-assy. Insertion Spring Nut	Post-assy. Insertion Stopper Set	Post-assy. Insertion Spring Nut	Mounting Holes for Cover	Tapping Alteration
SN	AN	BN	C	TP
Change the nuts from Pre-Assembly Insertion Nuts (HNIT) to Pre-Assembly Insertion Spring Nuts (HNTP).	Change the nuts from Pre-Assembly Insertion Nuts (HNIT) to Post-Assembly Insertion Stopper Set (HNAT).	Change the nuts from Pre-Assembly Insertion Nuts (HNIT) to Post-Assembly Insertion Spring Nuts (HNTP).	Adds tapped holes on the bracket for cover mounting.	Adds tapped holes on the bottom faces of the vertical extrusions.

- ⚠ For the components for the unit, see **P.865**
- ⚠ Customer assembly required. (If temporarily assembled units are to be delivered, see **P.867**)
- ⚠ 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 allowable loads, see **P.521**
- ⚠ The types starting with G are High Rigidity Aluminum Extrusions.
- ⚠ The types starting with B are Black Anodized Extrusions.
- ⚠ Caster & Leveling Mount Combination, see **P.862** (Not specifiable in the unit construction scheme.)



Ordering Example: Part Number - W - D - H  
 HAUHC8-4040 - W800 - D500 - H600



### Standard Unit Size

Unit	Part Number			W 1mm Increment	D 1mm Increment	H 1mm Increment
	Type	Unit Config.	Extrusion Type			
4-Side Slot Standard Unit	HAU	BA BB BC BD BE	5-2020(N)	300-1000	300-1000	300-1000
			5-4040(N)	300-1200	300-1200	300-1200
			6-3030(E, NE) 6L-3030(N)	300-1200	300-1200	300-1200
			8-4040(E, NE) 8L-4040(N) G8-4040	300-1800	300-1800	300-1800
			8-4545(E, NE) 8L-4545(N) G8-4545	300-1800	300-1800	300-1800
			6-5050(N) 8-5050(NE)	500-1800	500-1800	500-1800
	HAU	BAT BBT BCT BDT BET	6-6060(N) 8-6060(N)	500-1800	500-1800	500-1800
			8-8080(E, NE) 8-9090(E, NE)	500-2000	500-2000	500-2000
			6-3030(E, NE) 6L-3030(N)	300-1200	300-1200	300-1200
			8-4040(E, NE) 8L-4040(N) 8-4545(E) 8L-4545(N)	300-1800	300-1800	300-1800
			5-2020 5-4040	300-1000	300-1000	300-1000
			6-3030(E, NE) 8-4040(E, NE) 8-4545(E, NE) 8L-4545	300-1200	300-1200	300-1200
2-Side Slot Standard Unit	BAT BBT BCT BDT BET	6-6060	500-1800	500-1800	500-1800	
		5-2020	300-1000	300-1000	300-1000	
		5-4040	300-1200	300-1200	300-1200	
		6-3030(E, NE)	300-1200	300-1200	300-1200	
		8-4040(E, NE) 8-4545(E, NE) 8L-4545	300-1800	300-1800	300-1800	
		6-6060	500-1800	500-1800	500-1800	

\* Extrusions with suffix (E, N, NE) can be changed to applicable extrusion by adding one of these suffixes on the end. (E: EFS Series, N: NFS Series, NE: NEFS Series)  
 (Ex.) HAUBA6-3030E-W800-D500-H600  
 HAUBA6-3030N-W1200-D600-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 HFSL6-3030 extrusions.
- ⚠ 8L-4040 is a Standard Unit using HFSL8-4040 extrusions.
- ⚠ 8L-4545 is a Standard Unit using HFSL8-4545 extrusions.
- ⚠ B5-2020 is a Standard Unit using HFSB5-2020 extrusions.

	HFS Series	HFSL Series	EFS Series	NFS, NEFS Series	NFSL Series	GFS Series
Representative Product	HAUBA6-3030	HAUBB8L-4040	HAUBC8-4545E	HAUHD6-3030NE	HAUHE8L-4545N	HAUHAG8-4040
Material	A6N01SS-T5	A6N01SS-T5	A6N01SS-T5	A6063SS-T5	A6063SS-T5	A6061SS-T6 Equivalent
Characteristics	Standard extrusions with the widest variety of shapes.	Place emphasis on lightness and economical price. Use these extrusions when lightness and economical price are given priority over strength.	Has rigidity equivalent to HFS Series yet lighter and more economical.	Material change to A6063SS-T5 led to significant price reduction. The Cross Sectional Moment of Inertia of this series are the same as those of HFS and EFS Series. Have 25% less stress and tensile strength than these series due to material change. The color of anodized extrusions may vary slightly.	Material change to A6063SS-T5 led to significant price reduction. The Cross Sectional Moment of Inertia of this series are the same as those of HFSL Series. Have 25% less stress and tensile strength than these series due to material change. The color of anodized extrusions may vary slightly.	These thick extrusions offer high rigidity and are suitable for use with high loads.
Discount Rate	-	-	3% lower price compared to HFS Series.	20% lower price compared to HFS and EFS Series.	20% lower price compared to HFSL Series.	-