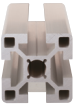







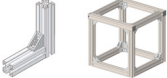
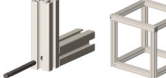
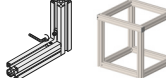
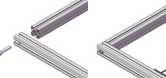
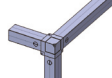
# Aluminum Extrusion Types and Parts Selection

## Aluminum Extrusion Types and Characteristics

	HFS Series	HFSL Series	EFS Series	NFS (NEFS, NFSL) Series	GFS Series	SLF Series
Photo						
Material	EN AC-51400-T5 Equiv.	EN AC-51400-T5 Equiv.	EN AC-51400-T5 Equiv.	EN AW-6063-T5 Equiv.	A6061SS-T6 Equiv.	A6063SS-T5
Features	Standard cross section shape.	Lightweight and economical extrusions. Suitable for use when light weight and economical price are given priority over strength.	Have rigidity Equiv. to HFS Series yet lighter and more economical.	Material change to EN AW-6063-T5 Equiv. led to significant price reduction. The Cross Section Shape and Cross Sectional Moment of Inertia are the same as those of HFS, HFSL and EFS Series. Stress and tensile strength decrease due to material change. The color may vary slightly.*	These thick extrusions offer high rigidity and are suitable for use in high load.	Has 4 slotless flat enclosures. Excels in sanitary control since dust is not collected in slots. Various accessories for aluminum extrusions can be utilized by combining with Slot Type (SLFT6-4040, etc.)
Surface Treatment	Clear Anodize (HFS) Black Anodize (HFSB) Clear Coating (CAF) Baked Paint (Yellow) (HFSY)	Clear Anodize Black Anodize	Clear Anodize (EFS) Black Anodize (EFSB)	Clear Anodize Black Anodize	Clear Anodize	Clear Anodize
Representative Product	HFS8-4040	HFSL8-4040	EFS8-4040	NFS5-2020 (Different Material of HFS5-2020) NFS8-4040 (Different Material of EFS8-4040) NFSL6-3030 (Different Material of HFSL6-3030)	GFS8-100100	SLF6-4040 (No Slot Type) SLFC6-4040 (1 Slot Type)

\* Aluminum extrusion colors may slightly vary depending on the materials.

## Aluminum Extrusions Connection Method

Connection Method	Bracket Connection	Blind Joint Connection	Blind Brackets Connection	Screw Connection	SLF Series Connection
Connection Examples					
Features	The standard and economical connection method. Cover plates can be mounted by adding taps on the brackets.	A connection method that produces clean corners. Suitable for sections where equipment is loaded and unloaded or doors are to be mounted. Note that alterations are required to the extrusions, and available for limited extrusion models only. For applicable extrusions, see each product page. <b>P551, 601, 659, 705</b>	Brackets are hidden inside of slots producing clean corners. Alterations are not required. However, allowable load is smaller than that of bracket connections.	Connections only with screws can be achieved by applying tapping and counterbore alterations on the extrusions.	<ul style="list-style-type: none"> <li>• Connection with dedicated joints</li> <li>• Screw Connection</li> </ul> See "Features of SLF Series" for details. <b>P725</b>
Representative Product	HBLFSN6, HBLTS6, etc.	HCJ6, HMJ6, etc.	HBLBS6, HABLBS6, etc.	-	-

## Selection of Related Parts

Numbers of applicable related parts are decided at the time of selecting aluminum extrusions. When selecting related parts, see No. as reference.

(Ex.) When assembling with HFS6-3030 aluminum extrusions of **6** series

<b>Brackets</b> HBLFSN6 HBLTS6 or Others	<b>Blind Brackets</b> <b>Blind Joint</b> HBLBS6 HSJ6 or Others	<b>Nut</b> HNTT6-Tapped Hole Dia. HNTAT6-Tapped Hole Dia. or Others
<b>Extrusion End Caps and Covers</b> HFC6-3030-Color HSCA6-Color or Others	<b>Casters and Leveling Mounts</b> HAJPS6 HCFT6-60 or Others	<b>Door Parts</b> HHPSN6 HMGN6 or Others
		<b>Other Accessories</b> HFCC6 LCSA6-Shaft Hole Dia. or Others

Many products can be used for both **8** series and **8-45** series.

**Pre-Assembly Insertion Nut HNTT8-8**

- It can be used with **8** series.
- It can be used with **8-45** series.

Various related parts can be installed to the aluminum extrusion structure according to the usage.