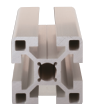




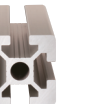


	Standard Aluminum Extrusions			Lightweight Aluminum Extrusions		High Rigidity Aluminum Extrusions	
	HFS Series	EFS Series	NFS (NEFS) Series	HFSL Series	NFSL Series	GFS Series	
Cross Section Photo							
Material	EN AC-51400-T5 Equiv.	EN AC-51400-T5 Equiv.	EN AW-6063-T5 Equiv.	EN AC-51400-T5 Equiv.	EN AW-6063-T5 Equiv.	A6061SS-T6 Equiv.	
Features	Standard cross section shape.	Have rigidity Equiv. to HFS Series yet lighter and more economical.	Significant price reduction has been achieved by material change. Strength(*) is the same as that of HFS and EFS Series.	Lightweight and economical extrusions. Suitable for use when light weight and economical price are given priority over strength.	Further price reduction has been achieved by changing the material of HFSL. Strength(*) is the same as that of HFSL Series.	These thick extrusions offer high rigidity and are suitable for use in high load.	
Surface Treatment	Clear Anodize (HFS) Black Anodize (HFSB) Clear Coating (CAF) Baked Paint (Yellow) (HFSY)	Clear Anodize (EFS) Black Anodize (EFSB)	Clear Anodize Black Anodize	Clear Anodize Black Anodize	Clear Anodize	Clear Anodize	
6 Series Representative Product	HFS6-3030 HFSB6-3030 CAF6-3030 HFSY6-3030	EFS6-3030 EFSB6-3030	NEFS6-3030 NFSB6-3030	HFSL6-3030 HFSLB6-3030	NFSL6-3030	GFS6-3030	
Mass (Kg/m) (**)	0.9	0.8	0.8	0.76	0.76	1.02	
Cross Sectional Moment of Inertia (**)	I_x	2.83x10 ⁴	2.85x10 ⁴	2.85x10 ⁴	2.68x10 ⁴	2.68x10 ⁴	3.47x10 ⁴
	I_y	2.83x10 ⁴	2.85x10 ⁴	2.85x10 ⁴	2.68x10 ⁴	2.68x10 ⁴	3.47x10 ⁴





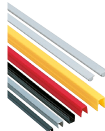
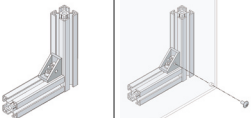


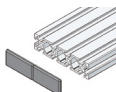

* Cross Sectional Moment of Inertia is equal to that of HFS, EFS and HFSL Series, however proof stress and tensile strength slightly decrease.

** Mass and Cross Sectional Moment of Inertia are for 30 square extrusions.

Number of Slots (Vertical Axis): Four-Side Slot Type can be jointed as desired; Flat Plane Type (1 - 3 sides) provides ornamental side(s).
 Number of Slot Lines (Horizontal Axis): There are extrusions with one or multiple slots on one side. Ones with multiple slots are suitable where strength is required.
 Also available are Angled, Outer Surface R, Milled Surface, Bending and Slot Width Mixed Type.









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MISUMI provides various types of mounting components and accessories.

Product Name	Brackets	Blind Joint	Nut	Extrusion End Caps	Slot Covers
Product Photo					
Mounted Product Photo					
Material	EN AC-46100 Equiv., EN AC-51400-T5 Equiv., etc.	EN 1.1191 Equiv., EN 1.4308 Equiv., EN 1.4301 Equiv., etc.	EN 1.0301 Equiv., EN 1.4301 Equiv., EN 1.4401 Equiv., etc.	Polyamide	Polyethylene, etc.
Features	Brackets to connect extrusions with screws and nuts. Alterations on aluminum extrusions for mounting are not required. Cover plates can be mounted by using Side Tapped Hole Type Brackets.	Suitable for locations where equipment is loaded or unloaded or doors are to be mounted. Alterations are required on the aluminum extrusions.	Nuts for mounting brackets and other accessories. Selectable from various types: Pre-Assembly Insertion Type, Post-Assembly Insertion Type, Thread Locking Adhesive Type, Spring-integrated Type convenient for vertical positioning.	Caps for protecting extrusion end faces. Can be mounted without any alterations.	Protects extrusion slots from dust. Can be cut with scissors. Various colors and materials are available.
Variations	Brackets for 1 Slot ~ 4 Slots Surface Treatment (Black Anodize, Electroless Nickel Plating, etc.) Brackets with Cover, etc.	-	Standard (Single Item, Bulk Packages, Stopper Sets) With Additional Functions (Temporary Holding, Thread Locking Adhesive, Holding Function) Screw Integrated, Long Nuts	Three-Sided Caps for Corners Screw Mounted	Elastomer Sponge Aluminum, etc.
Page No.	Brackets - Overview P.583 Screws P.751~	Overview P.601	Overview P.617	P.627	P.773

Standard Aluminum Extrusions for various use such as medium coverings, small equipment bases, conveyor frames, etc.
Can be used as you desire with wide variety of products.

Extrusions with different slot width can be combined when integrating frames and coverings.
6 Series, 5 Series, 8 Series Slot Width Mixed Extrusions (**P.580, 640**) and Assembly Brackets for Different Extrusion Sizes (**P.590, 600**) are available.
Utilize these aluminum extrusions to assemble them as you desire.

Number of Slots (Vertical Axis)				Number of Slot Lines (Horizontal Axis)			
Four-Side Slots	One Flat	Two Flats	3 Sides Flat	1 Slot	2 Slots (Rectangle)	2 Slots (Square)	3 Slots or More
							

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