

Aluminum Extrusions (HFS6 Series)

Other Shapes (30, 60 mm Square)

HFS6 Series		Fixing Parts			Others	
8	30, 60	Brackets	Nuts	Joints	Extrusion End Caps	Alteration
		P.2735-2753	P.2753-2763	P.2844-2857	P.2764-2765	P.2862-2875

Features: Can be used when making angles or making outer surface in radius.

Type		Material	Surface Treatment
Configurable Length	Fixed Length		
HFS6	KHFS6	A6N01SS-T5 Aluminum Alloy	Clear Anodize
HFSR6	KHFSR6		
HFS_A6	KHFS_A6		
HFS45TR6	KHFS45TR6		

ⓘ Cut surface and altered parts are not surface treated.

Red circle shows the position of tapping for alteration.

Slot Details (Common to All Series)

(HFS Series)

120°

Enlarged View of A

Features of Extrusions		
Extrusion Type	Material	Surface Treatment
HFS Series	A6N01SS-T5 Aluminum Alloy	Standard cross section shape.

Configurable Length Extrusions

Part Number	L 0.5 mm Inc.	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
				ξx	ξy
HFS30A6	30	1.11	412	3.15 x 10 ⁴	3.86 x 10 ⁴
HFS45A6		1.08	401	3.21 x 10 ⁴	3.72 x 10 ⁴
HFS60A6		1.1	410	3.33 x 10 ⁴	3.70 x 10 ⁴
HFS6	606030	2.33	864	27.3 x 10 ⁴	27.3 x 10 ⁴
HFSR6		1.97	732	27.75 x 10 ⁴	27.75 x 10 ⁴
HFSR6		0.82	306	2.42 x 10 ⁴	2.42 x 10 ⁴
HFS45TR6		1.33	492	3.42 x 10 ⁴	9.47 x 10 ⁴

Fixed Length Extrusion (Effective Length 4,000 mm)

Part Number	L 0.5 mm Inc.	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
			ξx	ξy
KHFS30A6	30	412	3.15 x 10 ⁴	3.86 x 10 ⁴
KHFS45A6		401	3.21 x 10 ⁴	3.72 x 10 ⁴
KHFS60A6		410	3.33 x 10 ⁴	3.70 x 10 ⁴
KHFS6	606030	864	27.3 x 10 ⁴	27.3 x 10 ⁴
KHFSR6		306	2.42 x 10 ⁴	2.42 x 10 ⁴
KHFS45TR6	30	492	3.42 x 10 ⁴	9.47 x 10 ⁴

ⓘ Part numbers beginning with the character "K" indicate Fixed Length Extrusion.

Part Number Example: **Part Number** - **L**
HFS30A6-30 - 800
KHFS30A6-30 - 4000

Part Number Alterations: Alterations are available for Configurable Length Extrusions. For details, refer to P.2862-2875

Aluminum Extrusions (HFS6 Series)

50, 100 mm Square

HFS6 Series		Fixing Parts			Others	
8	50, 100	Brackets	Nuts	Joints	Extrusion End Caps	Alteration
		P.2735-2753	P.2756-2763	P.2844-2857	P.2764-2765	P.2862-2875

Features: Convenient for switching from Cut-and-Weld tubing methods.

Type		Material	Surface Treatment
Config. Length	Fixed Length		
HFS6	KHFS6	A6N01SS-T5 Aluminum Alloy	Black Anodize
HFS_6	KHFS_6		
HFSB6	KHFSB6		

Red circle shows the position of tapping for alteration.

Slot (Common to All Series)

Slot Bottom Details (HFS, HFSL Series)

120°

Enlarged View of A

Features of Extrusions		
Extrusion Type	Material	Surface Treatment
HFS Series	A6N01SS-T5 Aluminum Alloy	Standard cross section shape.
HFSL Series	A6N01SS-T5 Aluminum Alloy	Lightweight and economical extrusions. Suitable for use when lightness and economical price are given priority over strength.

ⓘ Cut surface and altered parts are not surface treated.

Configurable Length Extrusions

Part Number	L 0.5 mm Inc.	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
				ξx	ξy
HFS6	50-4000	2.32	857	21.60 x 10 ⁴	21.60 x 10 ⁴
HFSB6 Black Anodize		2.05	760	18.79 x 10 ⁴	18.79 x 10 ⁴
HFSL6		2.32	861	22.23 x 10 ⁴	21.40 x 10 ⁴
HFSF6		2.36	874	22.26 x 10 ⁴	22.26 x 10 ⁴
HFS6		4.36	1614	42.40 x 10 ⁴	153.5 x 10 ⁴
HFSB6 Black Anodize		5.52	2043	265.2 x 10 ⁴	265.2 x 10 ⁴

Fixed Length Extrusion (Effective Length 4,000 mm)

Part Number	L mm	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
				ξx	ξy
KHFS6	4000 Effective Length	2.32	857	21.60 x 10 ⁴	21.60 x 10 ⁴
KHFSB6 Black Anodize		2.05	760	18.79 x 10 ⁴	18.79 x 10 ⁴
KHFSL6		2.32	861	22.23 x 10 ⁴	21.40 x 10 ⁴
KHFSF6		2.36	874	22.26 x 10 ⁴	22.26 x 10 ⁴
KHFS6		4.36	1614	42.40 x 10 ⁴	153.5 x 10 ⁴
KHFSB6 Black Anodize		5.52	2043	265.2 x 10 ⁴	265.2 x 10 ⁴

ⓘ Part numbers beginning with the character "K" indicate Fixed Length Extrusion.

Part Number Example: **Part Number** - **L**
HFS6-5050 - 800
KHFS6-5050 - 4000

Part Number Alterations: Alterations are available for Configurable Length Extrusions. For details, refer to P.2862-2875