

Aluminum Extrusions (HFS5 Series)

3 or More Slots (20, 25, 40 mm Square)

HFS5 Series		Fixing Parts			Others	
6	20, 25, 40	Brackets	Nuts	Joints	Extrusion End Caps	Alteration
		P.2692-2705	P.2709-2720	P.2844-2857	P.2721	P.2862-2875

Features: Extrusions shaped with [1 x 3 slots] and [2 x 4 slots], etc. 25 mm square is also available.

RoHS10

Type		Material	Surface Treatment
Configurable Length	Fixed Length		
HFS5	KHFS5	A6N01SS-T5 or 6005A-T5 Aluminum Alloy	Clear Anodize
HFSB5	KHFSB5		Black Anodize

Cut surface and altered parts are not surface treated.

Red circle shows the position of tapping for alteration.

(See below for detailed dimensions.)

Slot Details
(Common to All Series)

T Slot Dimensions

Slot Bottom Details
(HFS, CAF, HFSY Series)

Enlarged View of A

Features of Extrusions

Cross Section Shape	HFS Extrusions	Standard cross section shape.
Surface Treatment	Clear Anodize	Common surface treatment.
	Black Anodize	Effective in where light reflection is not desirable.

HFS5-2060

HFS5-4060

HFS5-2080

HFS5-4080

HFS5-2525
HFSB5-2525

Black Anodize

HFS5-2550
HFSB5-2550

Black Anodize

Configurable Length Extrusions

Part Number	L 0.5 mm Inc.	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
				Ex	Ey
HFS5	2060	1.26	464	1.97 x 10 ⁴	15.98 x 10 ⁴
	2080	1.64	605	2.56 x 10 ⁴	36.0 x 10 ⁴
	4060	1.8	665	12.63 x 10 ⁴	27.0 x 10 ⁴
	4080	2.69	994	18.29 x 10 ⁴	63.3 x 10 ⁴
	2525	0.81	320	1.71 x 10 ⁴	1.71 x 10 ⁴
HFSB5 Black Anodize	2525	1.36	503	2.97 x 10 ⁴	12.74 x 10 ⁴
	2550	0.81	320	1.71 x 10 ⁴	1.71 x 10 ⁴
	2550	1.36	503	2.97 x 10 ⁴	12.74 x 10 ⁴

Fixed Length Extrusions (Effective Length 4,000 mm)

Part Number	L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
			Ex	Ey
KHFS5	2060	464	1.97 x 10 ⁴	15.98 x 10 ⁴
	2080	605	2.56 x 10 ⁴	36.0 x 10 ⁴
	4060	665	12.63 x 10 ⁴	27.0 x 10 ⁴
	4080	994	18.29 x 10 ⁴	63.3 x 10 ⁴
	2525	320	1.71 x 10 ⁴	1.71 x 10 ⁴
KHFSB5 Black Anodize	2525	503	2.97 x 10 ⁴	12.74 x 10 ⁴
	2550	320	1.71 x 10 ⁴	1.71 x 10 ⁴
	2550	503	2.97 x 10 ⁴	12.74 x 10 ⁴

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

Part Number Example
Part Number - L
HFS5-2060 - 800

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

Aluminum Extrusions (HFS5 Series)

Other Shapes (20, 25, 40 mm Square)

HFS5 Series		Fixing Parts			Others	
6	20, 25, 40	Brackets	Nuts	Joints	Extrusion End Caps	Alteration
		P.2692-2705	P.2709-2720	P.2844-2857	P.2721	P.2862-2875

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

RoHS10

Type		Material	Surface Treatment
Configurable Length	Fixed Length		
HFS5	KHFS5	A6N01SS-T5 Aluminum Alloy	Clear Anodize
HFSR5	KHFSR5		Clear Anodize
HFS_A5	KHFS_A5		

Red circle shows the position of tapping for alteration.

(See below for detailed dimensions.)

Details of Slot

T Slot Dimensions

Details of Slot Bottom

Enlarged View of A

Features of Extrusions

Cross Section Shape	HFS Extrusions	Standard Cross Section Shape
Surface Treatment	Clear Anodize	Common surface treatment
	Black Anodize	Effective in where light reflection is not desirable.

HFS30A5-20

HFS45A5-20

HFS60A5-20

HFS5-404020

HFSR5-404020

HFSR5-2020

Configurable Length Extrusions

Part Number	L 0.5 mm Inc.	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
				Ex	Ey
HFS30A5	50-4000	0.61	228	0.80 x 10 ⁴	0.98 x 10 ⁴
HFS45A5		0.59	221	0.82 x 10 ⁴	0.92 x 10 ⁴
HFS60A5		0.61	227	0.86 x 10 ⁴	0.92 x 10 ⁴
HFS5		1.16	429	6.61 x 10 ⁴	6.61 x 10 ⁴
HFSR5		1.13	419	5.95 x 10 ⁴	5.95 x 10 ⁴
		0.42	153	0.57 x 10 ⁴	0.57 x 10 ⁴

Fixed Length Extrusions (Effective Length 4,000 mm)

Part Number	L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
			Ex	Ey
KHFS30A5	4000 Effective Length	228	0.80 x 10 ⁴	0.98 x 10 ⁴
KHFS45A5		221	0.82 x 10 ⁴	0.92 x 10 ⁴
KHFS60A5		227	0.86 x 10 ⁴	0.92 x 10 ⁴
KHFS5		429	6.61 x 10 ⁴	6.61 x 10 ⁴
KHFSR5		419	5.95 x 10 ⁴	5.95 x 10 ⁴
		153	0.57 x 10 ⁴	0.57 x 10 ⁴

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

Part Number Example
Part Number - L
HFS30A5-20 - 800

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