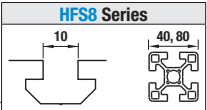


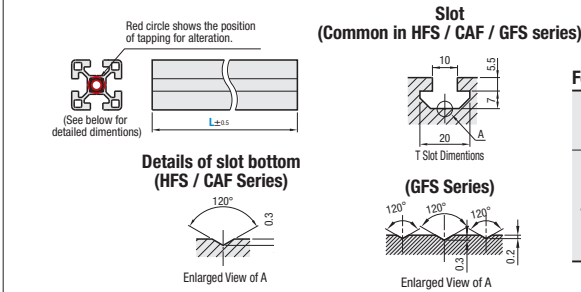
Aluminum Extrusions (HFS8 Series)

40, 80 mm Square, 1 Slot



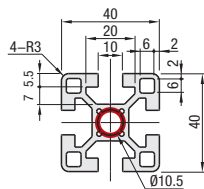
Type		Material	Surface Treatment
Configurable Length	Fixed Length		
GFS8	KGFS8	A6061SS-T6 Equivalent	Clear Anodize
HFS8	KHFS8		
HFSL8	KHFSL8		
HFSB8	KHFSB8		Black Anodize
HFSLB8	KHFSLB8		
CAF8	KCAF8		
HFSY8	KHFSY8	A6N01SS-T5	Clear Coating (Clear Anodize + Clear Painting)
			Baked-on Finish (Yellow)

ⓘ Cut surface and altered parts are not surface treated.

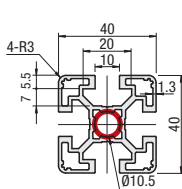


Features of Extrusions		
Cross Section Shape	HFS Extrusions	Standard cross section shape.
	HFSL Extrusions	Although having thin walls lowers the allowable load, excels in cost savings offered.
Surface Treatment	GFS Extrusions	Suitable for heavier devices due to the thick walls.
	Clear Anodize	Common surface treatment.
	Black Anodize	Effective in where light reflection is not desirable.
	Clear Coating	More luster and better appearance than anodizing.
	Baked-On Finish / Yellow	Can be used on doors or hazardous areas as a warning color. The color is D22-80V (Munsell Value Reference 2.5YR6/14) by Japan Paint Manufacturers Association.

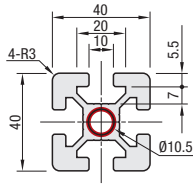
HFS8-4040
HFSB8-4040 Black Anodize
CAF8-4040 Clear Coating
HFSY8-4040 Baked-on Finish, Yellow



HFSL8-4040 Light Type
HFSLB8-4040 Light Type-Black Anodize



GFS8-4040 High Rigidity



Configurable Length Extrusions

Part Number		L 0.5 mm Increment	Mass kg/m	Sectional Area mm²	Cross Sectional Moment of Inertia mm⁴	
					ℓx	ℓy
HFS8	4040	50-4000	1.73	640	10.4×10⁴	10.4×10⁴
HFSB8 Black Anodize						
CAF8 Clear Coating						
HFSY8 Baked-on Finish, Yellow			1.27	478	7.54×10⁴	7.54×10⁴
HFSL8 Light Type						
HFSLB8 Light Type / Black Anodize						
GFS8 High Rigidity			2.17	806	13.76×10⁴	13.76×10⁴

Fixed Length Extrusion (1,000 mm)

Part Number		L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
				ℓx	ℓy
KHFS8	4040	1000	640	10.4 x 10 ⁴	10.4 x 10 ⁴

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

Part Number Example	Part Number	-	L
	HFS8-4040	-	800
	KHFS8-4040	-	1000
	KHFS8-4040	-	4000

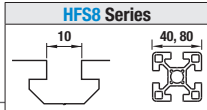
Fixed Length Extrusion (Effective Length 4,000 mm)

Part Number	L mm	Sectional Area mm²	Cross Sectional Moment of Inertia mm⁴	
			ℓx	ℓy
KHFS8	4040 (Effective Length)	640	10.4×10⁴	10.4×10⁴
KHFSB8 Black Anodize				
KCAF8 Clear Coating				
KHFSY8 Baked-on Finish		478	7.54×10⁴	7.54×10⁴
KHFSL8 Light Type				
KHFSLB8 Light Type / Black Anodize				
KGFS8 High Rigidity		806	13.76×10⁴	13.76×10⁴

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

Aluminum Extrusions (HFS8 Series)

40, 80 mm Square, 1 Slot



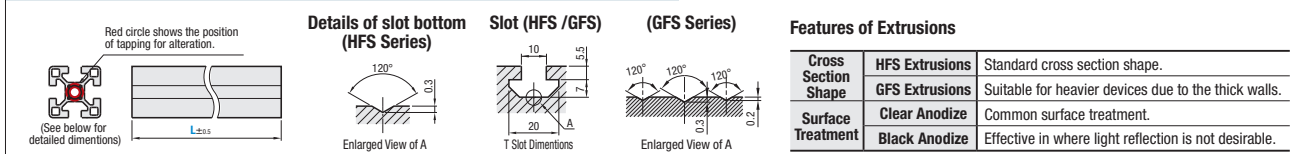
Fixing Parts			Others	
Brackets	Nuts	Joints	Extrusion End Caps	Alteration
P.2777-2795	P.2796-2803	P.2844-2857	P.2839-2840	P.2862-2863

Features: Standard extrusions for equipment bases or etc.



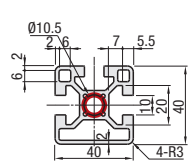
Type		Material	Surface Treatment
Configurable Length	Fixed Length		
GFS 8	KGFS 8	A6061SS-T6 Equivalent	Clear Anodize
HFS 8	KHFS 8		
HFS B8	KHFS B8	A6N01SS-T5 Aluminum Alloy or 6005A-T5 Aluminum Alloy	Black Anodize

ⓘ Cut surface and altered parts are not surface treated.

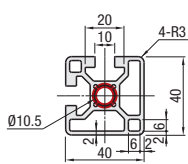


Cross Section Shape	HFS Extrusions	Standard cross section shape.
	GFS Extrusions	Suitable for heavier devices due to the thick walls.
Surface Treatment	Clear Anodize	Common surface treatment.
	Black Anodize	Effective in where light reflection is not desirable.

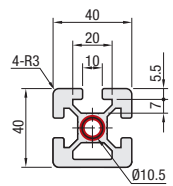
HFSF8-4040
HFSFB8-4040 Black Anodize



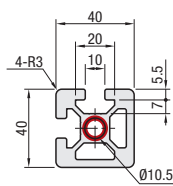
HFST8-4040
HFSTB8-4040 Black Anodize



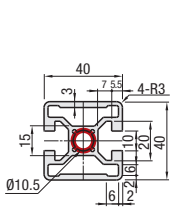
GFSF8-4040 High Rigidity



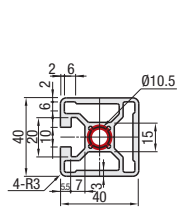
GFST8-4040 High Rigidity



HFSH8-4040



HFSC8-4040



Alterations are not applicable to all frames.

Category	Alteration Names	Codes	Explanations	Page
Aluminum Frame Alteration Summary / Chamfer / Part# Labeling Service				
End Tapping	End Tapping on Center Hole	LTP / RTP / TPW LHP / RHP / HPW	Add tappings on frame ends.	P.2864
Specify How to Cut	Precision Cut	SC	Change total length tolerance. (L±0.5 → L±0.2)	P.2865
	45° Cut	L_T45 / R_T45	Cut at 45° angle.	
Wrench Access Holes	Wrench Access Hole at Fixed Position	LWP / RWP	Add wrench access holes at fixed position for blind joints.	P.2865
	Wrench Access Hole at Specified Position	AH / BH / AV / BV	Add wrench access holes at specified position for blind joints.	P.2868
Counterbores	Counterbores at Specified Position	Z6 / XA100	Add counterbores at specified position. Use the holes for connecting the frames and a table top.	P.2870
	D Hole	LDH / RDH	Add holes needed for Single Joint connection.	P.2871
Holes for Specific Blind Joint Type	S Hole	LSH / RSH	Add holes needed for pre-assembly double joint connection.	P.2872
	M Hole	LMH / RMH	Add holes needed for post-assembly double joint connection.	P.2873
	L Hole	JLP / KLP	Add holes needed for parallel joint connection.	P.2874
Other Alterations	GNFS/GFS Series End Tapping	LTS / RTS / TSW	Add end tappings on high rigidity frames.	P.2875
	HFSR Series End Tapping	LTS / RTS / TSW	Add end tappings needed for adding a protection cover on the end to HFSR series frame.	

Configurable Length Extrusions

Part Number		L 0.5 mm Increment	Mass kg/m	Sectional Area mm²	Cross Sectional Moment of Inertia mm⁴	
					ℓx	ℓy
HFSF8	4040	50-4000	1.63	601	9.63 x 10⁴	9.94 x 10⁴
HFSFB8 Black Anodize						
GFSF8 High Rigidity			2.21	820	14.61 x 10⁴	13.6 x 10⁴
HFST8						
HFSTB8 Black Anodize			1.61	596	9.86 x 10⁴	9.82 x 10⁴
GFST8 High Rigidity						
HFSH8			2.28	846	14.57 x 10⁴	14.57 x 10⁴
HFSC8			1.65	612	9.74 x 10⁴	10.44 x 10⁴
			1.66	617	9.97 x 10⁴	10.51 x 10⁴

Fixed Length Extrusion (Effective Length 4,000 mm)

Part Number		L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
				ℓ _x	ℓ _y
KHFSF8	4040	4000	601	9.63 x 10 ⁴	9.94 x 10 ⁴
KHFSFB8 Black Anodize			601	9.63 x 10 ⁴	9.94 x 10 ⁴
GFSF8 High Rigidity			820	14.61 x 10 ⁴	13.6 x 10 ⁴
KHFST8			596	9.86 x 10 ⁴	9.82 x 10 ⁴
KHFSTB8 Black Anodize			596	9.86 x 10 ⁴	9.82 x 10 ⁴
KGFSF8 High Rigidity			846	14.57 x 10 ⁴	14.57 x 10 ⁴
KHFSH8			612	9.74 x 10 ⁴	10.44 x 10 ⁴
KHFSC8			617	9.97 x 10 ⁴	10.51 x 10 ⁴

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

ⓘ "Effective Length 4,000 mm" represents the extrusion with 4,000 mm or more effective length. (several cm)

Part Number Example	Part Number	-	L
	HFSF8-4040	-	800
	KHFSF8-4040	-	4000