

Aluminum Extrusions (HFS8-45 Series)

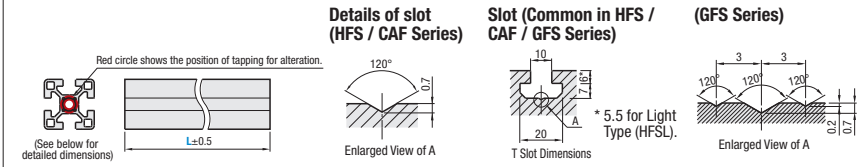
45, 90 mm Square – 2 or More Slots

HFS8-45 Series		Fixing Parts			Others	
Brackets	Nuts	Joints	Extrusion End Caps	Alteration		
P.2816-2830	P.2831-2838	P.2842-2857	P.2839-2841	P.2862-2863		

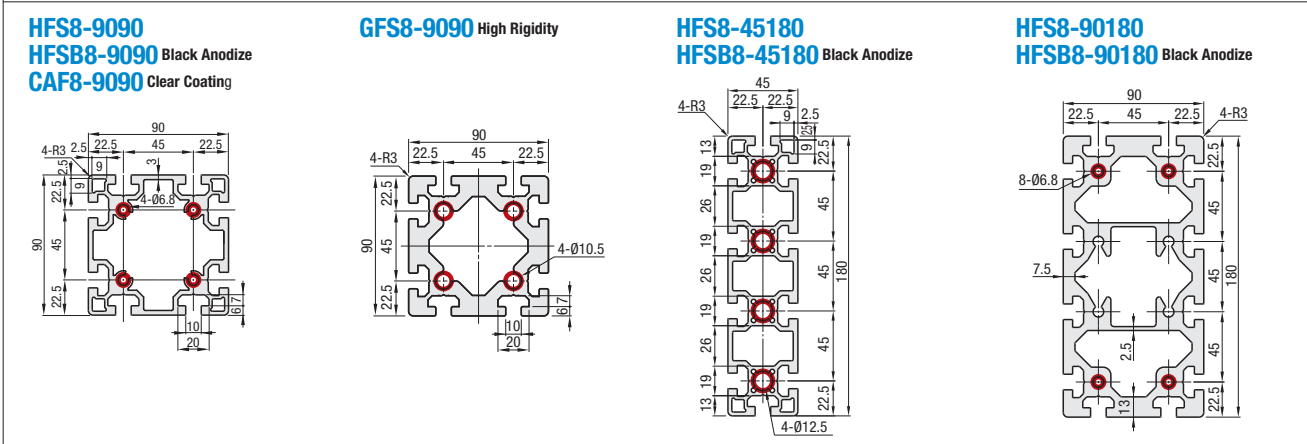


Type		Material	Surface Treatment
Configurable Length	Fixed Length		
GFS8	KGFS8	A6061SS-T6 or Equivalent	Clear Anodize
HFS8	KHFS8		
HFS 8	KHFS 8	A6N01SS-T5 Aluminum Alloy	Black Anodize
HFSB8	KHFSB8		Clear Coating (Clear Anodize + Clear Painting)
CAF8	CAF8		

Ⓢ Cut surface and altered parts are not surface treated.



Cross Section Shape	Features of Extrusions	
	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.
	Clear Coating	More luster and better appearance than anodizing.



Configurable Length Extrusions

Part Number	L 0.5 mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
				ξx	ξy
HFS8	9090	5.80	2162	209.2 x 10 ⁴	209.2 x 10 ⁴
HFSB8 Black Anodize					
CAF8 Clear Coating					
GFS8 High Rigidity					
HFS8	45180	7.12	2636	60.8 x 10 ⁴	804 x 10 ⁴
HFSB8 Black Anodize					
HFS8	90180	17.07	6320	599 x 10 ⁴	2136 x 10 ⁴
HFSB8 Black Anodize					

Fixed Length Extrusion (Effective Length 4,000 mm, 1,000 mm)

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

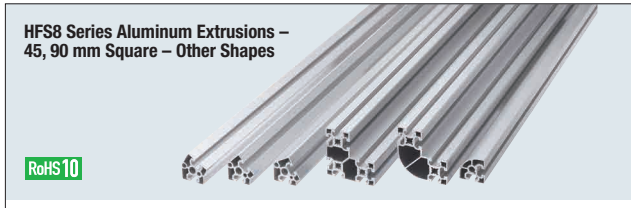
Part Number	L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
			ξx	ξy
KHFS8	4000	2162	209.2 x 10 ⁴	209.2 x 10 ⁴
KHFSB8 Black Anodize				
KCAF8 Clear Coating				
KGFS8 High Rigidity				
KHFS8	45180	2636	60.8 x 10 ⁴	804 x 10 ⁴
KHFSB8 Black Anodize				
KHFS8	90180	6320	599 x 10 ⁴	2136 x 10 ⁴
KHFSB8 Black Anodize				



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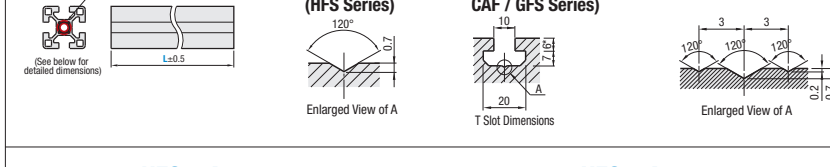
45, 90 mm Square – Other Shapes

HFS8-45 Series		Fixing Parts			Others	
Brackets	Nuts	Joints	Extrusion End Caps	Alteration		
P.2816-2830	P.2831-2838	P.2842-2857	P.2839-2841	P.2862-2863		

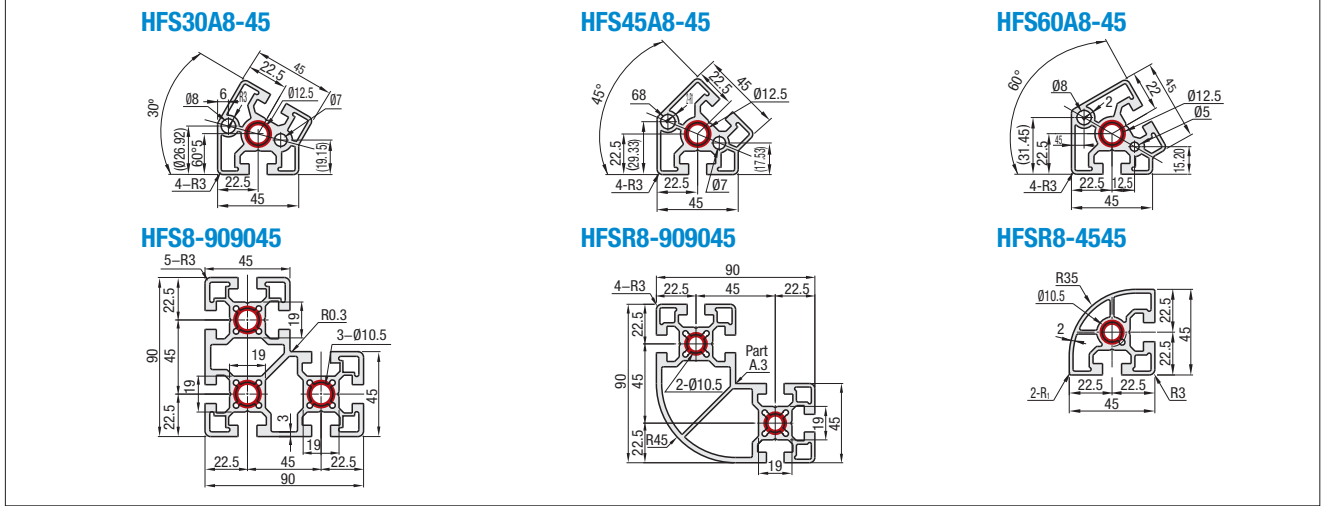


Type		Material	Surface Treatment
Configurable Length	Fixed Length		
HFS8	KHFS8	A6N01SS-T5 Aluminum Alloy	Clear Anodize
HFS 8	KHFS 8		
HFS A8	KHFS A8		

Ⓢ Cut surface and altered parts are not surface treated.



Cross Section Shape	Features of Extrusions	
	HFS Extrusions	Standard cross section shape.
Surface Treatment	Clear Anodize	Common surface treatment.
	Black Anodize	Effective in where light reflection is not desirable.
	Clear Coating	More luster and better appearance than anodizing.



Configurable Length Extrusions

Part Number	L 0.5 mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
				ξx	ξy
HFS30A8	45	2.30	851	14.91 x 10 ⁴	15.95 x 10 ⁴
HFS45A8		2.22	821	14.73 x 10 ⁴	15.41 x 10 ⁴
HFS60A8		2.26	834	14.94 x 10 ⁴	15.93 x 10 ⁴
HFS8	909045	5.55	2053	149.6 x 10 ⁴	149.6 x 10 ⁴
HFSR8		4.67	1731	128.2 x 10 ⁴	128.2 x 10 ⁴
HFSR8		1.79	662	11.30 x 10 ⁴	11.30 x 10 ⁴

Fixed Length Extrusion (Effective Length 4,000 mm, 1,000 mm)

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

Part Number	L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	
			ξx	ξy
KHFS30A8	4000	851	14.91 x 10 ⁴	15.95 x 10 ⁴
KHFS45A8		821	14.73 x 10 ⁴	15.41 x 10 ⁴
KHFS60A8		834	14.94 x 10 ⁴	15.93 x 10 ⁴
KHFS8	909045	2053	149.6 x 10 ⁴	149.6 x 10 ⁴
KHFSR8		4545	662	11.30 x 10 ⁴

