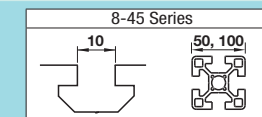


8-45 Series Aluminum Extrusions 50, 100mm Square

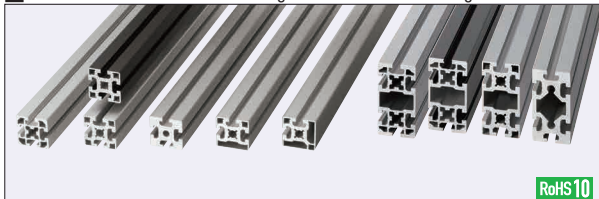


Fixing Parts			Others	
Brackets	Joints	Nuts	Extrusion End Caps	Alterations
P.717 ~ P.730	P.731 ~ P.736	P.739 ~ P.748	P.749	P.781 ~ P.794

For non-catalog standard products, see P.131.

For non-catalog standard products, see P.131.

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



Type		Material	Surface Treatment
Configurable Length	Fixed Length		
NEFS8	KNEFS8	A6063S-T5	Clear Anodize
GNFS8	KGFS8	A6063S-T6 Equivalent	
GFS8	KGFS8	A6061SS-T6 Equivalent	
EFS8	KEFS8	A6N01SS-T5	Black Anodize
HFS8	KHFS8		
HFS8-8	KHFS8-8		
EFSB8	KEFSB8		
HFSB8	KHFSB8		

Cut surface and altered parts are not surface treated.

NEFS8-5050
NEFSB8-5050
(Black Anodize)

EFS8-5050
EFSB8-5050
(Black Anodize)

HFS8-5050
HFSB8-5050
(Black Anodize)

GNFS8-5050 (High Rigidity)
GFS8-5050 (High Rigidity)

HFSF8-5050

HFST8-5050

NEFS8-50100
NEFSB8-50100
(Black Anodize)

EFS8-50100
EFSB8-50100
(Black Anodize)

HFS8-50100
HFSB8-50100
(Black Anodize)

GNFS8-50100 (High Rigidity)
GFS8-50100 (High Rigidity)

HFSF8-50100

HFST8-50100

Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴ I _x I _y	Unit Price (Less than 300mm) 1-9 pc(s).	Volume Discount Rate Less Than 300mm 10-49 50-160	Unit Price/m (300mm or More) 1-9 pc(s).	Volume Discount Rate 300mm or More 10-49 50-160
NEFS8 NEFSB8 (Black Anodize)	5050	2.84	1053	26.98x10 ⁴ 26.98x10 ⁴	1-9 pc(s).	10-49 50-160	1-9 pc(s).	10-49 50-160
EFS8 EFSB8 (Black Anodize)								
HFS8 HFSB8 (Black Anodize)								
GNFS8 (High Rigidity)								
GFS8 (High Rigidity)								
HFSF8								
HFST8								
NEFS8-8 NEFSB8-8 (Black Anodize)								
EFS8-8 EFSB8-8 (Black Anodize)								
HFS8-8 HFSB8-8 (Black Anodize)								
GNFS8-8 (High Rigidity)	50100	5.39	1996	53.0x10 ⁴ 211.21x10 ⁴	1-9 pc(s).	10-49 50-160	1-9 pc(s).	10-49 50-160
GFS8-8 (High Rigidity)								
HFSF8-8								
HFST8-8								
NEFS8-50100 NEFSB8-50100 (Black Anodize)								
EFS8-50100 EFSB8-50100 (Black Anodize)								
HFS8-50100 HFSB8-50100 (Black Anodize)								
GNFS8-50100 (High Rigidity)								
GFS8-50100 (High Rigidity)								
HFSF8-50100								
HFST8-50100								

Fixed Length Extrusions (Effective Length 4000mm P.552)

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

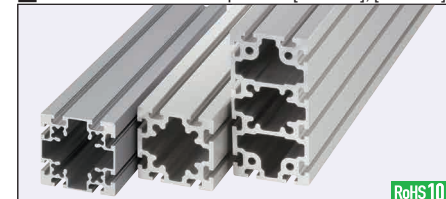
Part Number	L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴ I _x I _y	Unit Price 1-9 pc(s).	Volume Discount Rate 10-20
KNEFS8 KNEFSB8 (Black Anodize)	4000 (Effective Length)	1053	26.98x10 ⁴ 26.98x10 ⁴	1-9 pc(s).	10-20
KEFS8 KEFSB8 (Black Anodize)					
KHFS8 KHFSB8 (Black Anodize)					
KGFS8 (High Rigidity)					
KGFS8 (High Rigidity)					
KHFSF8					
KHFST8					
KNEFS8-8 KNEFSB8-8 (Black Anodize)					
KEFS8-8 KEFSB8-8 (Black Anodize)					
KHFS8-8 KHFSB8-8 (Black Anodize)					
KGFS8-8 (High Rigidity)	50100	1996	53.0x10 ⁴ 211.21x10 ⁴	1-9 pc(s).	10-20
KGFS8-8 (High Rigidity)					
KHFSF8-8					
KHFST8-8					
KNEFS8-50100 KNEFSB8-50100 (Black Anodize)					
KEFS8-50100 KEFSB8-50100 (Black Anodize)					
KHFS8-50100 KHFSB8-50100 (Black Anodize)					
KGFS8-50100 (High Rigidity)					
KGFS8-50100 (High Rigidity)					
KHFSF8-50100					
KHFST8-50100					

When L<300, the unit prices indicated in the table apply regardless of the length.
When L>300mm, total prices are calculated as follows:
Unit Price/m x Specified O.A.L. = Sales Price

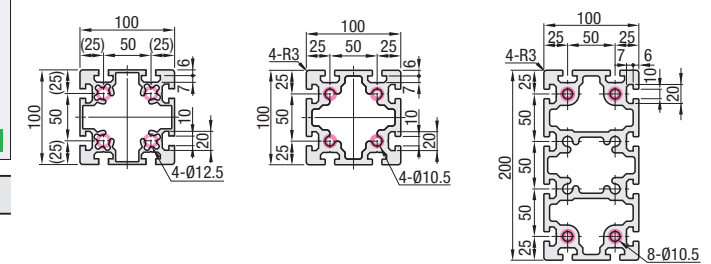
Ordering Example: Part Number - L
HFS8-5050 - 800
KHFS8-5050 - 4000

Alterations are available for Configurable Length Type Aluminum Extrusions. For details of alterations, see P.781.

Features: Extrusions shaped with [1x2 slots], [2x4 slots].



NEFS8-100100 GNFS8-100100 (High Rigidity) GNFS8-100200 (High Rigidity)
GFS8-100100 (High Rigidity) GFS8-100200 (High Rigidity)



Type		Material	Surface Treatment
Configurable Length	Fixed Length		
NEFS8	KNEFS8	A6063S-T5	Clear Anodize
GNFS8	KGFS8	A6063S-T6 Equivalent	
GFS8	KGFS8	A6061SS-T6 Equivalent	

Cut surface and altered parts are not surface treated.

Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴ I _x I _y	Unit Price (Less than 300mm) 1-9 pc(s).	Volume Discount Rate Less Than 300mm 10-49 50-160	Unit Price/m (300mm or More) 1-9 pc(s).	Volume Discount Rate 300mm or More 10-49 50-160
NEFS8 GNFS8 (High Rigidity)	100100	7.86	2922	376.0x10 ⁴ 376.0x10 ⁴	1-9 pc(s).	10-49 50-160	1-9 pc(s).	10-49 50-160
GFS8 (High Rigidity)								
GNFS8 (High Rigidity)	100200	20.45	7574	874.3x10 ⁴ 3179.53x10 ⁴	1-9 pc(s).	10-49 50-160	1-9 pc(s).	10-49 50-160
GFS8 (High Rigidity)								

Fixed Length Extrusions (Effective Length 4000mm P.552)

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

Part Number	L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴ I _x I _y	Unit Price 1-9 pc(s).	Volume Discount Rate 10-20
KNEFS8 KGNFS8 (High Rigidity)	4000 (Effective Length)	2922	376.0x10 ⁴ 376.0x10 ⁴	1-9 pc(s).	10-20
KGFS8 (High Rigidity)					
KGFS8 (High Rigidity)					
KGFS8 (High Rigidity)					
KGNFS8 (High Rigidity)	100200	7574	874.3x10 ⁴ 3179.53x10 ⁴	1-9 pc(s).	10-20
KGFS8 (High Rigidity)					

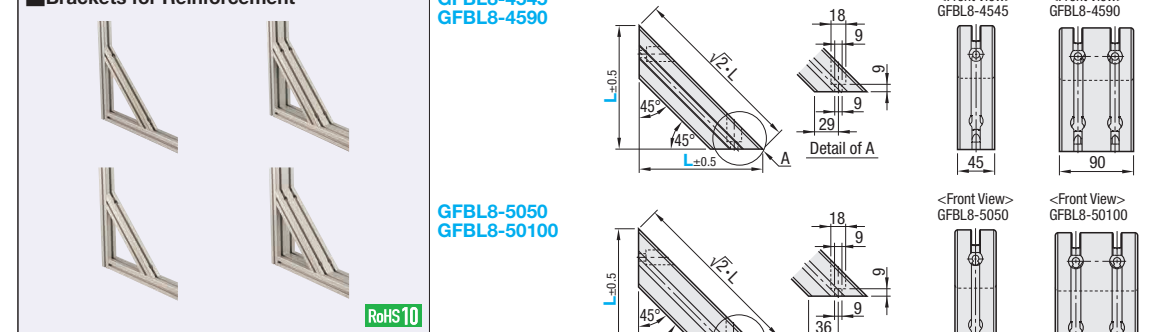
When L<300, the unit prices indicated in the table apply regardless of the length.
When L>300mm, total prices are calculated as follows:
Unit Price/m x Specified O.A.L. = Sales Price

Ordering Example: Part Number - L
NEFS8-100100 - 800
KNEFS8-100100 - 4000

Alterations are available for Configurable Length Type Aluminum Extrusions. For details of alterations, see P.781.

Features: Reinforcement Brackets machined from extrusions. Usable on locations needing more strength after connecting with brackets.

Brackets for Reinforcement



Material: A6061SS-T6 Equivalent
Surface Treatment: Clear Anodize
(No surface treatment on 45 deg. cut ends and counterbores.)

This product is for reinforcement, not for single use. Can be used with bracket connections.
Use Screws with Captured Washer (HCBST8-24) to connect to extrusions.

Part Number	Type	No.	L 1mm Increment	Applicable Screw and Nut				L100-300		L301-500	
				Screw	Quantity	Nut	Quantity	Unit Price 1-4 pc(s).	Volume Discount Rate 5-20 21-50	Unit Price 1-4 pc(s).	Volume Discount Rate 5-20 21-50
GFBL8		4545 4590 5050 50100	100-500	HCBST8-24	2 4 2 4	HNTT8-8	2 4 2 4				

Ordering Example: Part Number - L
GFBL8-4545 - 300

Alterations are available for Configurable Length Type Aluminum Extrusions. For details of alterations, see P.781.

Alterations	Code	Spec.	Applicable Bracket	JPY/1Code
Applicable Screws and Nuts Set	SET SEU SEP	Applicable screws and nuts for fixing the brackets on extrusions come in a set. (Adds to the bracket price.) (Ex.) When GFBL8-4545 is specified: Screw: CBM8-24, HNTT8-8, HNTU8-8, HNTP8-8 Nut: HNTT8-8, HNTU8-8, HNTP8-8	GFBL8-4545 GFBL8-4590 GFBL8-5050 GFBL8-50100	SET SEU SEP

Not RoHS compliant when -SET, -SEU or -SEP is specified.