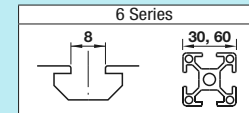


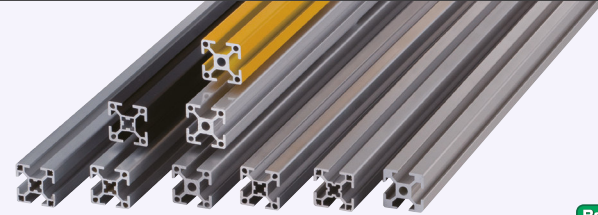
6 Series Aluminum Extrusions 30, 60 mm

1 Slot



Fixing Parts			Others	
Brackets	Joints	Nut	Extrusion End Caps	Alterations
P583 ~P600	P601 ~P614	P617 ~P624	P627	P755 ~P768

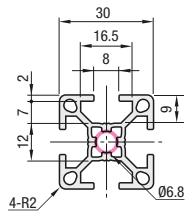
■Features: Standard extrusions for various use such as covers or frames.



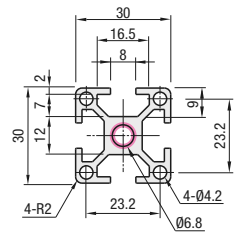
Type		Material	Surface Treatment
Configurable Length	Fixed Length		
NEFS6	KNEFS6	EN AW-6063-T5 Equiv.	Clear Anodize
GFS6	KGFS6	A6061SS-T6 Equiv.	
EFS6	KEFS6	EN AC-51400-T5 Equiv.	
HFS6	KHFS6	EN AW-6063-T5 Equiv.	
NFSL6	KNFSL6	EN AW-6063-T5 Equiv.	
HFSL6	KHFSL6	EN AC-51400-T5 Equiv.	
NEFSB6	KNEFSB6	EN AW-6063-T5 Equiv.	Black Anodize
EFSB6	KEFSB6	EN AW-6063-T5 Equiv.	
HFSB6	KHFSB6	EN AW-6063-T5 Equiv.	
HFSLB6	KHFSLB6	EN AC-51400-T5 Equiv.	Clear Coating (Anodize + Clear Coating) Baked Paint (Yellow)
CAF6	KCAF6	EN AC-51400-T5 Equiv.	
HFSY6	KHFSY6	EN AC-51400-T5 Equiv.	

⚠ Cut surface and altered parts are not surface treated.
 ⚠ The color of HFSY6 is D22-80V (Japan Paint Manufacturers Association, Munsell Value Reference 2.5Y8/12).

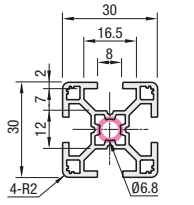
NEFS6-3030
NEFSB6-3030
 (Black Anodize)
EFS6-3030
EFSB6-3030
 (Black Anodize)



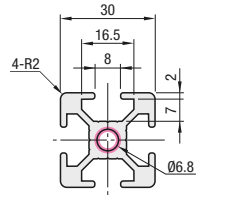
HFS6-3030
HFSB6-3030
 (Black Anodize)
CAF6-3030
 (Clear Coating)
HFSY6-3030
 (Baked Paint, Yellow)



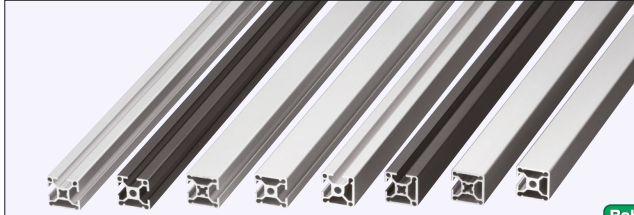
NFSL6-3030
HFSL6-3030
 (Light Type)
HFSLB6-3030
 (Light Type, Black Anodize)



GFS6-3030
 (High Rigidity)



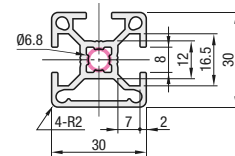
■Features: 1-slot Aluminum 30mm Square Extrusions with a Flat Side



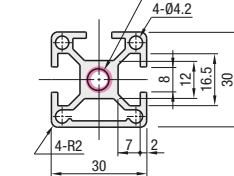
Type		Material	Surface Treatment
Configurable Length	Fixed Length		
NEFSF6	KNEFSF6	EN AW-6063-T5 Equiv.	Clear Anodize
EFSF6	KEFSF6	EN AW-6063-T5 Equiv.	
HFSF6	KHFSF6	EN AC-51400-T5 Equiv.	Black Anodize
HFSFB6	KHFSFB6	EN AC-51400-T5 Equiv.	

⚠ Cut surface and altered parts are not surface treated.

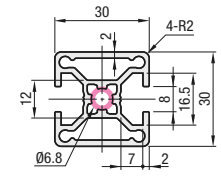
NEFSF6-3030
EFSF6-3030
EFSFB6-3030
 (Black Anodize)



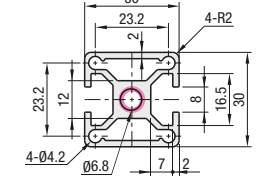
HFSF6-3030
HFSFB6-3030
 (Black Anodize)



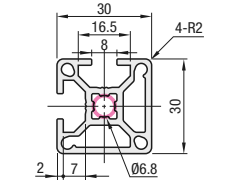
EFSH6-3030



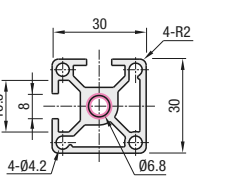
HFSH6-3030



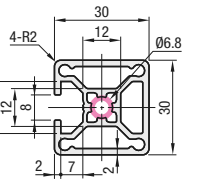
NEFST6-3030
EFST6-3030
EFSTB6-3030
 (Black Anodize)



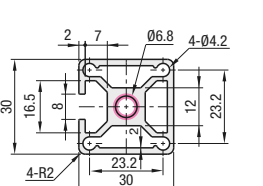
HFST6-3030
HFSTB6-3030
 (Black Anodize)



EFSC6-3030



HFSC6-3030



Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price Less than 300mm 1 ~ 9 pc(s).	Volume Discount Rate Less Than 300mm		Unit Price / m 300mm or More 1 ~ 9 pc(s).	Volume Discount Rate 300mm or More	
				lx	ly		10-49	50-160		10-49	50-160
NEFS6	3030	0.8	296	2.85x10 ⁴	2.85x10 ⁴	Applicable to 6000mm depending on products. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI QCT Center. ⚠ Some extrusions are not applicable.					
NEFSB6 (Black Anodize)											
EFS6											
EFSB6 (Black Anodize)											
HFS6											
HFSB6 (Black Anodize)											
CAF6 (Clear Coating)											
HFSY6 (Baked Paint, Yellow)											
NFSL6											
HFSL6 (Light Type)											
HFSLB6 (Light Type, Black Anodize)	0.9	333	2.83x10 ⁴	2.83x10 ⁴	2.68x10 ⁴	2.68x10 ⁴					
HFSY6 (Baked Paint, Yellow)											
NFSL6											
HFSL6 (Light Type)											
HFSLB6 (Light Type, Black Anodize)											
GFS6 (High Rigidity)	1.02	377	3.47x10 ⁴	3.47x10 ⁴							

⚠ Extrusions without anodizing are also available. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI QCT Center.

Fixed Length Extrusions (1000mm)

⚠ 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 Lx Ly	Unit Price Qty. 1~19	Volume Discount Rate 20~120
KHFS6	3030	333	2.83x10 ⁴	2.83x10 ⁴	

Fixed Length Extrusions (Effective Length 4000mm P.526)

⚠ 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 lx ly	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
KNEFS6	3030	4000 (Effective Length)	2.85x10 ⁴	2.85x10 ⁴	
KNEFSB6 (Black Anodize)					
KEFS6					
KEFSB6 (Black Anodize)					
KHFS6					
KHFSB6 (Black Anodize)					
KCAF6					
KHFSY6					
KNFSL6					
KHFSL6 (Light Type)					
KHFSLB6 (Light Type, Black Anodize)					
KGFS6 (High Rigidity)					

Ordering Example
 Part Number - L
 HFS6-3030 - 800
 KHFS6-3030 - 1000
 KHFS6-3030 - 4000

Alterations are available for Configurable Length Extrusions. For details of alterations, see P.755.

Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price Less than 300mm 1 ~ 9 pc(s).	Volume Discount Rate Less Than 300mm		Unit Price/m 300mm or More 1 ~ 9 pc(s).	Volume Discount Rate 300mm or More	
				lx	ly		10-49	50-160		10-49	50-160
NEFSF6	3030	0.86	320	3.06x10 ⁴	2.8x10 ⁴	Applicable to 6000mm depending on products. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI QCT Center. ⚠ Not applicable to some extrusions.					
EFSF6											
EFSFB6 (Black Anodize)											
HFSF6											
HFSFB6 (Black Anodize)											
NEFST6											
EFST6											
EFSTB6 (Black Anodize)											
HFST6											
HFSTB6 (Black Anodize)											
EFSH6											
HFSH6											
EFSC6											
HFSC6											

⚠ Extrusions without anodizing are also available. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI QCT Center.

Fixed Length Extrusions (Effective Length 4000mm P.526)

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

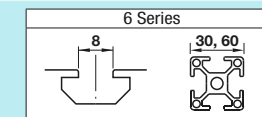
Part Number	L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴ lx ly	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
KNEFSF6	3030	4000 (Effective Length)	3.06x10 ⁴	2.8x10 ⁴	
KEFSF6					
KEFSFB6 (Black Anodize)					
KHFSF6					
KHFSFB6 (Black Anodize)					
KNEFST6					
KEFST6					
KEFSTB6 (Black Anodize)					
KHFST6					
KHFSTB6 (Black Anodize)					
KEFSH6					
KHFSH6					
KEFSC6					
KHFSC6					

Ordering Example
 Part Number - L
 EFSF6-3030 - 800
 KHFSF6-3030 - 4000

Alterations are available for Configurable Length Extrusions. For details of alterations, see P.755.

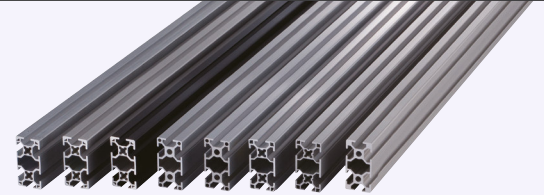
6 Series Aluminum Extrusions 30, 60 mm

2 Slots



Fixing Parts			Others	
Brackets	Joints	Nut	Extrusion End Caps	Alterations
P583 ~ P600	P601 ~ P614	P617 ~ P626	P627	P755 ~ P768

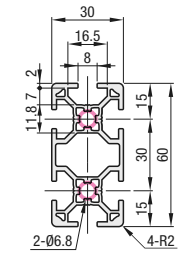
■Features: Extrusions with [1x2 slots] . Effective where forces apply.



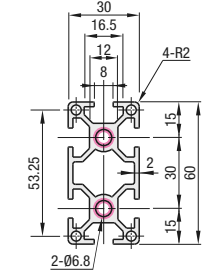
Type	Material	Surface Treatment
Configurable Length Fixed Length		
NEFSB6 KNEFSB6	EN AW-6063-T5 Equiv.	Black Anodize
NEFS6 KNEFS6		
NFSL6 KNFSL6	EN AW-6061-T6 Equiv.	Clear Anodize
GFS6 KGFS6		
EFS6 KEFS6	EN AC-51400-T5 Equiv.	Clear Anodize
HFS6 KHFS6		
HFSB6 KHFSB6	EN AC-51400-T5 Equiv.	Black Anodize
HFSB6 KHFSB6		
HFSB6 KHFSB6	EN AC-51400-T5 Equiv.	Black Anodize
HFSB6 KHFSB6		
CAF6 KCAF6		Clear Coating (Anodize + Clear Coating)

ⓂRoHS
ⓈCut surface and altered parts are not surface treated.

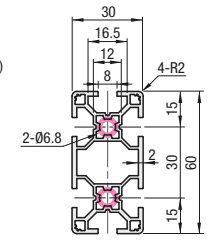
NEFS6-3060
NEFSB6-3060
(Black Anodize)
EFS6-3060
EFSB6-3060
(Black Anodize)



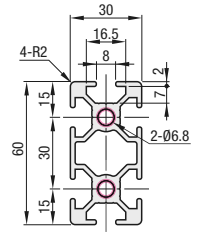
HFS6-3060
HFSB6-3060
(Black Anodize)
CAF6-3060
(Clear Coating)



NFSL6-3060
HFSL6-3060
(Light Type)
HFSLB6-3060
(Light Type, Black Anodize)

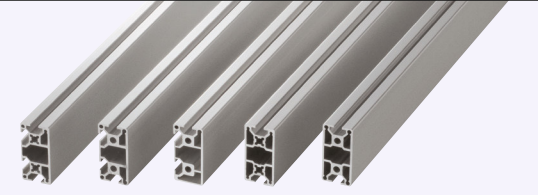


GFS6-3060 (High Rigidity)



ⓂCAD Data Folder Name: 40_Aluminum_Frames

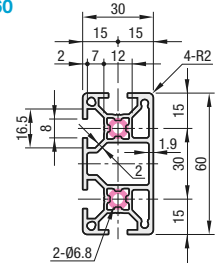
■Features: Extrusions with [1x2 slots] . Effective where forces apply.



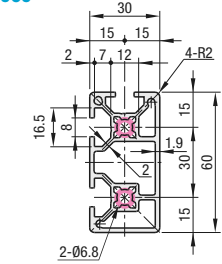
Type	Material	Surface Treatment
Configurable Length Fixed Length		
NEFS6 KNEFS6	EN AW-6063-T5 Equiv.	Clear Anodize
EFS6 KNEFS6		
HFS6 KHFS6	EN AC-51400-T5 Equiv.	Clear Anodize
HFSB6 KHFSB6		
HFSB6 KHFSB6	EN AC-51400-T5 Equiv.	Clear Anodize
HFSB6 KHFSB6		
CAF6 KCAF6		Clear Coating (Anodize + Clear Coating)

ⓂRoHS
ⓈCut surface and altered parts are not surface treated.

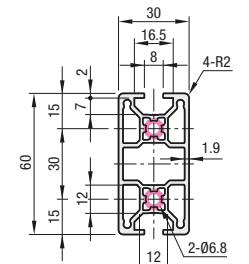
NEFSF6-3060
EFSF6-3060



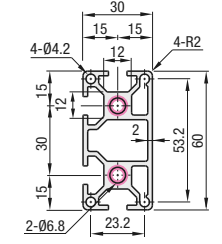
NEFST6-3060



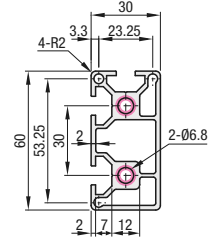
EFSH6-3060



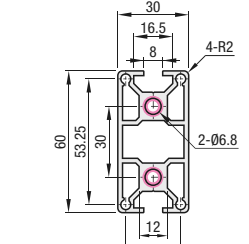
HFSF6-3060



HFST6-3060



HFSH6-3060



Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price Less than 300mm 1 ~ 9 pc(s).	Volume Discount Rate Less than 300mm		Unit Price/m 300mm or more 1 ~ 9 pc(s).	Volume Discount Rate/m 300mm or more	
				ℓx	ℓy		10-49	50-160		10-49	50-160
NEFS6	3060	1.44	535	5.49x10 ⁴	20.6x10 ⁴						
NEFSB6 (Black Anodize)											
EFS6											
EFSB6 (Black Anodize)											
HFS6											
HFSB6 (Black Anodize)											
CAF6 (Clear Coating)											
NFSL6											
HFSL6 (Light Type)											
HFSLB6 (Light Type, Black Anodize)											
GFS6 (High Rigidity)											

■Applicable to 6000mm depending on products. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI OCT Center.
ⓈSome extrusions are not applicable.

ⓈExtrusions without anodizing are also available. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI OCT Center.

Fixed Length Extrusion (1000mm)

Ⓢ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	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 20-120
KHFS6	3060	592	5.33x10 ⁴		

Fixed Length Extrusion (Effective Length 4000mm P.526)

Ⓢ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	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10-20
KNEFS6	3060	535	5.49x10 ⁴	20.6x10 ⁴	
KNEFSB6 (Black Anodize)					
KEFS6					
KEFSB6 (Black Anodize)					
KHFS6					
KHFSB6 (Black Anodize)					
KCAF6					
KNFSL6					
KHFSL6 (Light Type)					
KHFSLB6 (Light Type, Black Anodize)					
KGFS6 (High Rigidity)					

Ordering Example
Part Number - L
HFS6-3060 - 800
KHFS6-3060 - 1000
KHFS6-3060 - 4000

Alterations are available for Configurable Length Extrusions. For details of alterations, see P.755.

Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price Less than 300mm 1 ~ 9 pc(s).	Volume Discount Rate Less than 300mm		Unit Price/m 300mm or more 1 ~ 9 pc(s).	Volume Discount Rate/m 300mm or more	
				ℓx	ℓy		10-49	50-160		10-49	50-160
NEFSF6	3060	1.54	573	5.97x10 ⁴	21.1x10 ⁴						
EFSF6											
HFSF6											
NEFST6											
HFST6											
EFSH6											
HFSH6											
HFSH6											

■Applicable to 6000mm depending on products. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI OCT Center.
ⓈSome extrusions are not applicable.

ⓈExtrusions without anodizing are also available. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI OCT Center.

Fixed Length Extrusion (Effective Length 4000mm P.526)

Ⓢ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		Unit Price 1 ~ 9 pc(s).	Volume Discount Rate/m 10-20
			ℓx	ℓy		
KNEFS6	3060	573	5.97x10 ⁴	21.1x10 ⁴		
KEFSF6						
KHFSF6						
KNEFST6						
KHFST6						
KEFSH6						
KHFSH6						
KHFSH6						

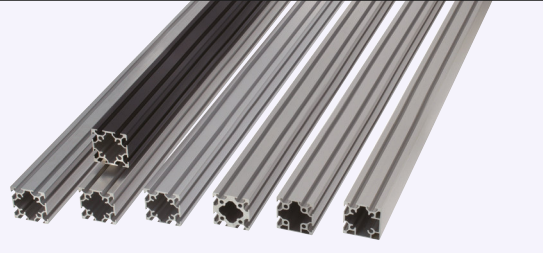
Ordering Example
Part Number - L
HFSH6-3060 - 800
KHFS6-3060 - 4000

Alterations are available for Configurable Length Extrusions. For details of alterations, see P.755.

6 Series Aluminum Extrusions 30, 60 mm

2 Slots

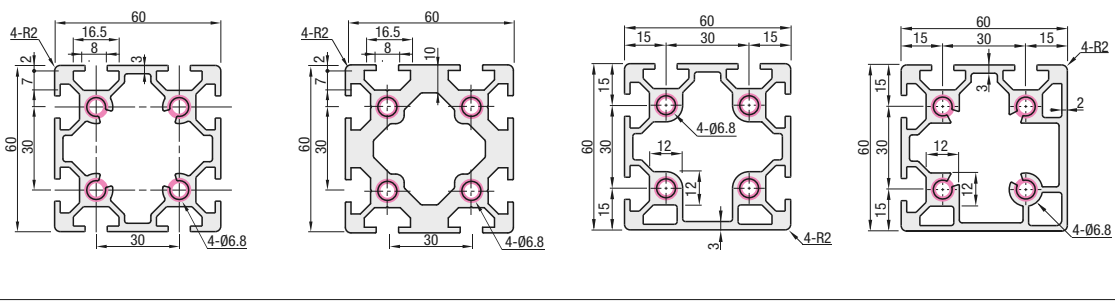
Features: Extrusions with [2x2 slots]. Effective where forces apply.



Type	Material	Surface Treatment
Configurable Length Fixed Length		
NFSB6 KNFSB6	EN AW-6063-T5 Equiv.	Black Anodize
NFS6 KNFS6		Clear Anodize
NFSF6 KNFSF6	EN AC-51400-T5 Equiv.	Black Anodize
HFS6 KHFS6		Clear Coating (Anodize + Clear Coating)
HFSB6 KHFSB6	EN AC-51400-T5 Equiv.	Black Anodize
CAF6 KCAF6	EN AC-51400-T5 Equiv.	Clear Coating (Anodize + Clear Coating)

Ⓢ Cut surface and altered parts are not surface treated.

- NFS6-6060 NFSB6-6060 (Black Anodize) HFS6-6060 HFSB6-6060 (Black Anodize) CAF6-6060 (Clear Coating)
- HFSG6-6060 (Heavy Type)
- NFSF6-6060 HFSF6-6060
- HFST6-6060



Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price Less than 300mm 1 ~ 9 pc(s).	Volume Discount Rate Less Than 300mm		Unit Price/m 300mm or More 1 ~ 9 pc(s).	Volume Discount Rate 300mm or More	
				lx	ly		10-49	50-160		10-49	50-160
NFS6	50-4000 Applicable to 6000mm depending on products. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI OCT Center. Ⓢ Some extrusions are not applicable.	2.63	971	41.4x10 ⁴	41.4x10 ⁴	1-9 pc(s)	10-49	50-160	1-9 pc(s)	10-49	50-160
NFSB6 (Black Anodize)											
HFS6											
HFSB6 (Black Anodize)											
CAF6 (Clear Coating)											
HFSG6 (Heavy Type)											
NFSF6	6060	4.13	1529	54.2x10 ⁴	54.2x10 ⁴						
HFS6		2.9	1072	45.4x10 ⁴	43.3x10 ⁴						
HFST6		2.73	1011	43.8x10 ⁴	43.8x10 ⁴						

Ⓢ Extrusions without anodizing are also available. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI OCT Center.

Fixed Length Extrusion (Effective Length 4000mm) P.526

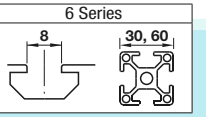
Ⓢ Part numbers beginning with the character "K" indicate Fixed Length Extrusion.

Part Number	L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10-20
KNFS6	4000 (Effective Length)	971	41.4x10 ⁴	41.4x10 ⁴		
KNFSB6 (Black Anodize)						
KHFS6						
KHFSB6 (Black Anodize)						
KCAF6 (Clear Coating)						
KHFSG6 (Heavy Type)						
KNFSF6						
KHFSF6						
KHFST6						

Ordering Example: Part Number - L
 HFS6-6060 - 800
 KHFS6-6060 - 4000

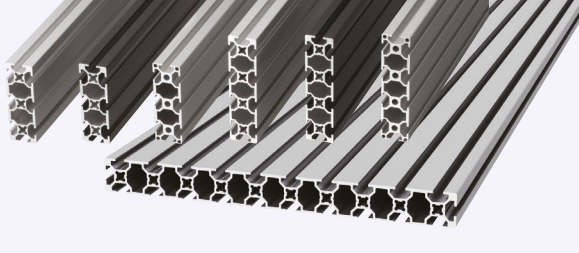
6 Series Aluminum Extrusions 30, 60 mm Square

3 or More Slots



Fixing Parts			Others	
Brackets	Joints	Nut	Extrusion End Caps	Alterations
P583	P601	P617	P627	P755
P600	P614	P626		P768

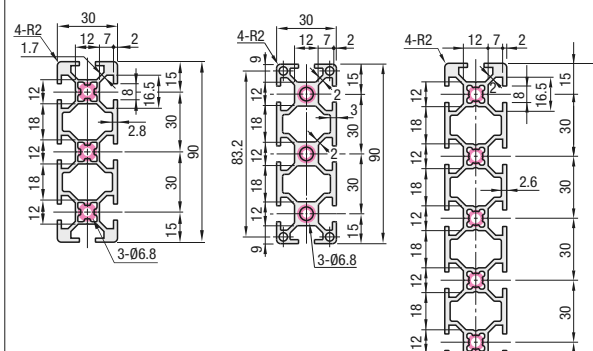
Features: Extrusions with [1x3 slots] and [2x4 slots]. Effective where forces apply.



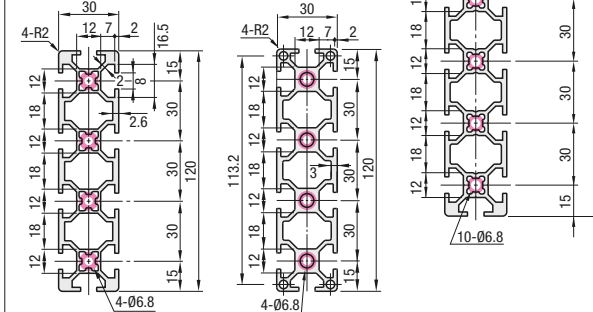
Type	Material	Surface Treatment
Configurable Length Fixed Length		
NEFS6 KNEFS6	EN AW-6063-T5 Equiv.	Clear Anodize
EFS6 KEFS6		Black Anodize
HFS6 KHFS6	EN AC-51400-T5 Equiv.	Black Anodize
EFSB6 KEFSB6		Clear Anodize

Ⓢ Cut surface and altered parts are not surface treated.

- NEFS6-3090 EFS6-3090 EFSB6-3090 (Black Anodize)
- HFS6-3090
- EFS6-30300



- NEFS6-30120 EFS6-30120 EFSB6-30120 (Black Anodize)
- HFS6-30120



Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴ lx	ly
NEFS6	50-4000 Applicable to 6000mm depending on products. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI OCT Center. Ⓢ Some extrusions are not applicable.	2.24	831	8.80x10 ⁴	69.05x10 ⁴
EFS6					
EFSB6 (Black Anodize)					
HFS6					
EFS6					
EFSB6 (Black Anodize)					
HFS6	3.21	1188	11.19x10 ⁴	152.2x10 ⁴	
EFS6	8.15	2962	13.50x10 ⁴	375.5x10 ⁴	

Part Number	L 0.5mm Increment	Unit Price (Less than 300mm) 1 - 9 pc(s)	Volume Discount Rate Less Than 300mm		Unit Price (300mm or More) 1 - 9 pc(s)	Volume Discount Rate 300mm or More	
			10-49	50-160		10-49	50-160
NEFS6	50-4000 Applicable to 6000mm depending on products. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI OCT Center. Ⓢ Some extrusions are not applicable.	1-9 pc(s)	10-49	50-160	1-9 pc(s)	10-49	50-160
EFS6							
EFSB6 (Black Anodize)							
HFS6							
EFS6							
EFSB6 (Black Anodize)							
HFS6							
EFS6							

Ⓢ Extrusions without anodizing are also available. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI OCT Center.

Fixed Length Extrusion (Effective Length 4000mm) P.526

Ⓢ 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	
KNEFS6	4000 (Effective Length)	831	8.80x10 ⁴	69.05x10 ⁴
KEFS6				
KEFSB6 (Black Anodize)				
KHFS6				
KNEFS6				
KEFS6				
KEFSB6 (Black Anodize)				
KHFS6				
KEFS6	1,188	11.19x10 ⁴	152.2x10 ⁴	
KEFS6	2,970	13.50x10 ⁴	375.5x10 ⁴	

Part Number	L mm	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10-20
KNEFS6	4000 (Effective Length)		
KEFS6			
KEFSB6 (Black Anodize)			
KHFS6			
KNEFS6			
KEFS6			
KEFSB6 (Black Anodize)			
KHFS6			
KEFS6			

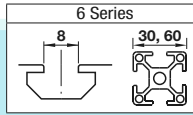
Ordering Example: Part Number - L
 HFS6-3090 - 800
 KHFS6-30120 - 4000

Alterations are available for Configurable Length Extrusions. For details of alterations, see P.755.

Alterations are available for Configurable Length Extrusions. For details of alterations, see P.755.

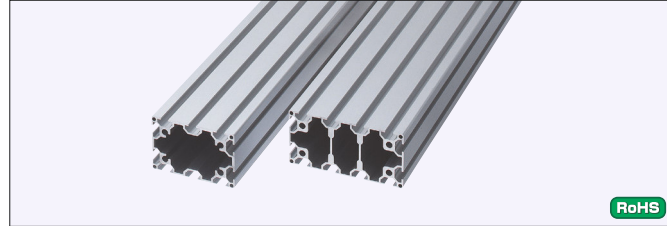
6 Series Aluminum Extrusions 30, 60 mm Square

3 or More Slots



Fixing Parts			Others	
Brackets	Joints	Nut	Extrusion End Caps	Alterations
P583	P617	P601	P627	P755
P600	P626	P614		P768

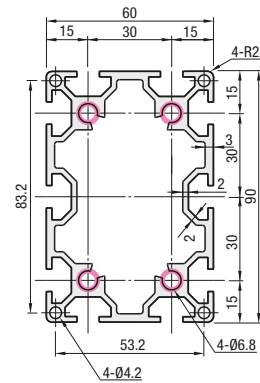
Features: Extrusions with [1x3 slots] and [2x4 slots]. Effective where forces apply.



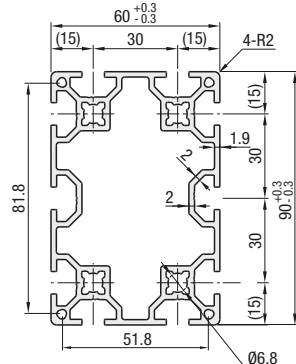
Type		Material	Surface Treatment
Configurable Length	Fixed Length		
NEFS6	KNEFS6	EN AW-6063-T5 Equiv.	Clear Anodize
HFS6	KHFS6	EN AC-51400-T5 Equiv.	
Cut surface and altered parts are not surface treated.			



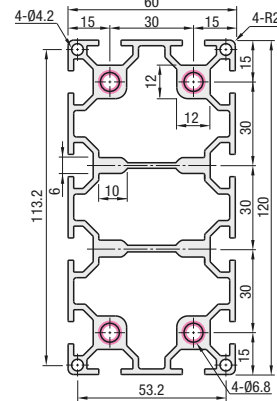
HFS6-6090



NEFS6-6090



NEFS6-60120
HFS6-60120



Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price Less than 300mm 1 - 9 pc(s).	Volume Discount Rate Less than 300mm		Unit Price/m 300mm or more 1 - 9 pc(s).	Volume Discount Rate/m 300mm or more	
				I_x	I_y		10-49	50-160		10-49	50-160
NEFS6	6090	3.10	1147	52.6x10 ⁴	111.0x10 ⁴						
	60120										
HFS6	6090	3.10	1147	52.6x10 ⁴	111.0x10 ⁴						
	60120										

Extrusions without anodizing are also available. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI QCT Center.

Fixed Length Extrusion (Effective Length 4000mm P.526)

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

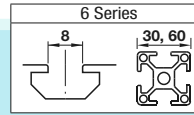
Part Number	L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price 1 - 9 pc(s).	Volume Discount Rate 10-19
			I_x	I_y		
KNEFS6	6090	1147	52.6x10 ⁴	111.0x10 ⁴		
	60120					
KHFS6	6090	1147	52.6x10 ⁴	111.0x10 ⁴		
	60120					

Ordering Example	Part Number	-	L
	HFS6-6090	-	800
	KHFS6-60120	-	4000

Alterations are available for Configurable Length Extrusions. For details of alterations, see P.755.

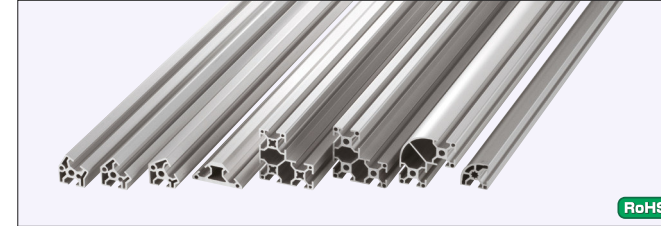
6 Series Aluminum Extrusions 30, 60 mm Square

Other Shapes



Fixing Parts			Others	
Brackets	Joints	Nut	Extrusion End Caps	Alterations
P583	P661	P617	P627	P755
P600	P614	P626		P768

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

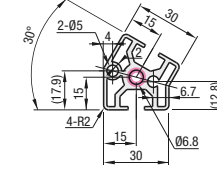


Type		Material	Surface Treatment
Configurable Length	Fixed Length		
NEFS6	KNEFS6	EN AW-6063-T5 Equiv.	Clear Anodize
NFSR6	KNFSR6		
EFS6	KEFS6		
HFS6	KHFS6	EN AC-51400-T5 Equiv.	Clear Anodize
HFSR6	KHFSR6		
HFS A6	KHFS A6		
HFS45TR6	KHFS45TR6		

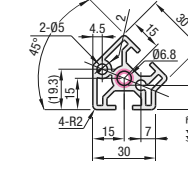
Cut surface and altered parts are not surface treated.



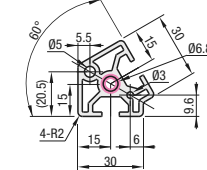
HFS30A6-30



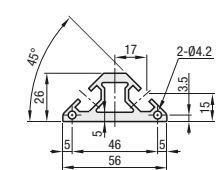
HFS45A6-30



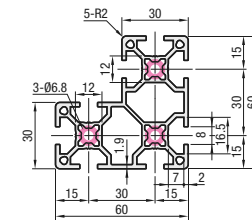
HFS60A6-30



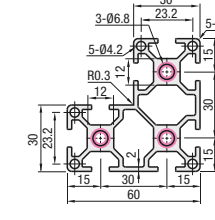
HFS45TR6-30



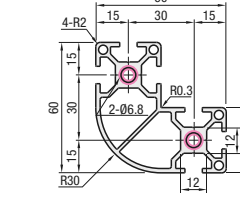
NEFS6-606030
EFS6-606030



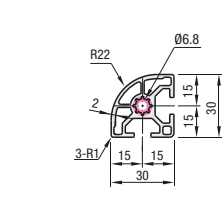
HFS6-606030



HFSR6-606030



NFSR6-3030
HFSR6-3030



Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price Less than 300mm 1 - 9 pc(s).	Volume Discount Rate Less than 300mm		Unit Price/m 300mm or more 1 - 9 pc(s).	Volume Discount Rate/m 300mm or more	
				I_x	I_y		10-49	50-160		10-49	50-160
HFS30A6	30	1.11	412	3.15x10 ⁴	3.86x10 ⁴						
HFS45A6		1.08	401	3.21x10 ⁴	3.72x10 ⁴						
HFS60A6		1.1	410	3.33x10 ⁴	3.70x10 ⁴						
NEFS6	606030	2.21	819	27.38x10 ⁴	27.38x10 ⁴						
EFS6		2.33	864	27.3x10 ⁴	27.3x10 ⁴						
HFSR6		1.97	732	27.75x10 ⁴	27.75x10 ⁴						
NFSR6		0.82	306	2.42x10 ⁴	2.42x10 ⁴						
HFSR6	3030	0.82	306	2.42x10 ⁴	2.42x10 ⁴						
HFSR6		0.82	306	2.42x10 ⁴	2.42x10 ⁴						
HFS45TR6	30	1.33	492	3.42x10 ⁴	9.47x10 ⁴						

Extrusions without anodizing are also available. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI QCT Center.

Fixed Length Extrusion (Effective Length 4000mm P.526)

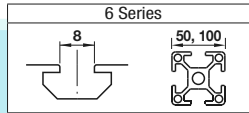
Part numbers beginning with the character "K" indicate Fixed Length Extrusion.

Part Number	L mm	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price 1 - 9 pc(s).	Volume Discount Rate 10-20				
			I_x	I_y						
KHFS30A6	30	412	3.15x10 ⁴	3.86x10 ⁴						
							KHFS45A6	401	3.21x10 ⁴	3.72x10 ⁴
KNEFS6	606030	819	27.38x10 ⁴	27.38x10 ⁴						
							KEFS6	864	27.3x10 ⁴	27.3x10 ⁴
KHFSR6	3030	732	27.75x10 ⁴	27.75x10 ⁴						
					KNFSR6	306	2.42x10 ⁴	2.42x10 ⁴		
KHFS45TR6	30	492	3.42x10 ⁴	9.47x10 ⁴						

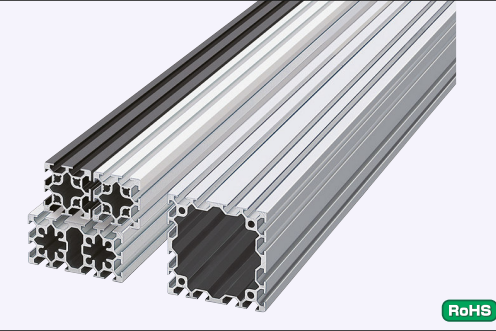
Ordering Example	Part Number	-	L
	HFS30A6-30	-	800
	KHFS30A6-30	-	4000

Alterations are available for Configurable Length Extrusions. For details of alterations, see P.755.

6 Series Aluminum Extrusions 50, 100mm Square



Fixing Parts			Others	
Brackets	Joints	Nut	Extrusion End Caps	Alterations
P583	P601	P617	P627	P755
P600	P614	P626		P768



Type		Material	Surface Treatment
Configurable Length	Fixed Length		
NFS6	KNFS6	EN AW-6063-T5 Equiv.	Clear Anodize
HFS6	KHFS6	EN AC-51400-T5 Equiv.	
HFS□6	KHFS□6		
HFSB6	KHFSB6		Black Anodize

⚠ Cut surface and altered parts are not surface treated.

NFS6-5050
HFS6-5050
HFSB6-5050 (Black Anodize)

HFSF6-5050

NFS6-50100
HFS6-50100
HFSB6-50100 (Black Anodize)

NFS6-100100
HFS6-100100
HFSB6-100100 (Black Anodize)

HFST6-5050

HFSL6-5050

Configurable Length Extrusions

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price Less than 300mm	Volume Discount Rate Less than 300mm		Unit Price/m 300mm or more	Volume Discount Rate/m 300mm or more	
				lx	ly		1 ~ 9 pc(s).	10~49		50~160	1 ~ 9 pc(s).
NFS6 HFS6 HFSB6 (Black Anodize) HFSL6 HFSF6 HFST6	5050	2.32	857	21.60x10 ⁴	21.60x10 ⁴						
		2.05	760	18.79x10 ⁴	18.79x10 ⁴						
		2.32	861	22.23x10 ⁴	21.40x10 ⁴						
		2.36	874	22.26x10 ⁴	22.26x10 ⁴						
NFS6 HFS6 HFSB6 (Black Anodize)	50100	4.36	1614	42.40x10 ⁴	153.5x10 ⁴						
		5.52	2043	265.2x10 ⁴	265.2x10 ⁴						
NFS6 HFS6 HFSB6 (Black Anodize)	100100	5.52	2043	265.2x10 ⁴	265.2x10 ⁴						

⚠ Applicable to 6000mm depending on products. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI QCT Center.
⚠ Some extrusions are not applicable.

Fixed Length Extrusion (Effective Length 4000mm P.526)

⚠ Extrusions without anodizing are also available. Refer to Information of Special Orders (P.103) and contact the person in charge of Special Orders at MISUMI QCT Center.
⚠ Part numbers beginning with the character "K" indicate Fixed Length Extrusion.

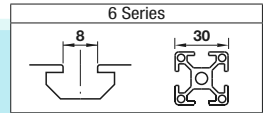
Part Number	L mm	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
				lx	ly		
KNFS6 KHFS6 KHFSB6 (Black Anodize) KHFSL6 KHFSF6 KHFS6	5050	2.32	857	21.60x10 ⁴	21.60x10 ⁴		
		2.05	760	18.79x10 ⁴	18.79x10 ⁴		
		2.32	861	22.23x10 ⁴	21.40x10 ⁴		
		2.36	874	22.26x10 ⁴	22.26x10 ⁴		
KNFS6 KHFS6 KHFSB6 (Black Anodize)	50100	4.36	1614	42.40x10 ⁴	153.5x10 ⁴		
		5.52	2043	265.2x10 ⁴	265.2x10 ⁴		
KNFS6 KHFS6 KHFSB6 (Black Anodize)	100100	5.52	2043	265.2x10 ⁴	265.2x10 ⁴		

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

Alterations are available for Configurable Length Extrusions. For details of alterations, see P.755.

6 Series Aluminum Extrusions

Aluminum Extrusions - Minimal Corner Radius / Slot Width Mixed



Fixing Parts			Others	
Brackets	Joints	Nut	Extrusion End Caps	Alterations
P583	P601	P617	P627	P755
P600	P614	P626		P768

Aluminum Extrusions - Minimal Corner Radius

HFSV6-3030 **HFSV6-3060**

Material: EN AC-51400-T5 Equiv.
Surface Treatment: Clear Anodize

Part Number	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price Less than 300mm	Unit Price/m 300mm or more
				lx	ly		
HFSV6 3030 3060	50~4000	0.91	335	2.91x10 ⁴	2.91x10 ⁴		
		1.60	594	5.41x10 ⁴	20.83x10 ⁴		

Ordering Example: Part Number - L
HFSV6-3030 - 1200

Alterations are available for Configurable Length Extrusions. For details of alterations, see P.755.

Features

<HFSV Series>
Small gap collects few dusts.

<Existing HFS Series>

ex Effective use is to align Example frames, as shown below.

Multiple Pieces of HFSV6-3060

Enlarged Back Side

Aluminum Extrusions - Slot Width Mixed

HFS6-5H-3030 **HFS6-5Y-2030**

Material: EN AC-51400-T5 Equiv.
Surface Treatment: Clear Anodize

Part Number	Shape	No.	L 0.5mm Increment	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴		Unit Price Less than 300mm	Unit Price/m 300mm or more
						lx	ly		
HFS6-5	H	3030	50~4000	1.04	388	3.08x10 ⁴	3.51x10 ⁴		
	V	2030		0.70	260	1.10x10 ⁴	2.61x10 ⁴		

Ordering Example: Part Number - L
HFS6-5H-3030 - 800

Alterations: Part Number - L - (Alteration Code)
HFS6-5H-3030 - 800 - TPW

Alterations Spec. Code	Tapping (Main Body +) Tap Shape		
	LTP	RTP	TPW
HFS6-5 H 3030 M8 Depth 24	180	180	360

⚠ Not applicable to HFS6-5Y-2030.

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

Brackets for Reinforcement

HFBL6-3030 **HFBL6-3060**

HFBL6-6030

Material: EN AC-51400-T5 Equiv.
Surface Treatment: Anodize

(No surface treatment on 45° (No surface treatment on 45 deg. out ends and counterbores).)

⚠ This product is for reinforcement, not for single use. Can be used with bracket connections.

Ordering Example: Part Number - L
HFBL6 - 3030 - 300

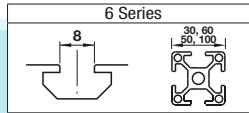
Part Number	Applicable Screw and Nut	L100~300		L301~500	
		Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
3030	100	2	2	2	2
3060	CBM6-12	4	4	4	4
6030	500	2	2	2	2

Alterations	Code	Spec.	Applicable Bracket	JPY/1Code	
				SEP	SSP
Applicable Screws and Nuts Set	SET	Applicable screws and nuts for fixing the brackets on extrusions come in a set. (Adds to the bracket price.)	HFBL6-3030		
	SEU	Pre-Assembly Insertion Spring Nuts	HFBL6-3030		
	SSU	Pre-Assembly Insertion Spring Nuts Stainless Steel	HFBL6-3060		
	SEP	Post-Assembly Insertion Spring Nuts	HFBL6-3030		
	SSU	Post-Assembly Insertion Spring Nuts Stainless Steel	HFBL6-6030		
	SSP	Post-Assembly Insertion Spring Nuts Stainless Steel	HFBL6-6030		

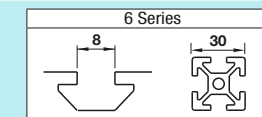
⚠ A set of mounting screws and nuts is not available for black anodized parts.
⚠ Not RoHS compliant when -SET, -SEU or -SEP are specified.

6 Series Aluminum Extrusions

Aluminum Extrusions with Parallel Surfacing / Bent Aluminum Extrusions



Fixing Parts			Others	
Brackets	Joints	Nut	Extrusion End Caps	Alterations
P583 P600	P601 P614	P617 P626	P627	P755 P768



Fixing Parts			Others	
Brackets	Joints	Nut	Extrusion End Caps	Alterations
P583 P600	P601 P614	P617 P626	P627	P755 P768

Features: Milled on surfaces. Usable for Linear Guides, etc.

RoHS

Milled surfaces and cut surfaces are not anodized.

HFSP GFSP

Milled Surface

T \pm 0.05

Milled Surface

A

Detailed view of slot on milled surface

0.1/100 D

8.3

1.6 \pm 0.2

8

16.5

*Due to the extrusion tolerance, the thickness tolerance of the slot on the milled surface becomes as shown above, while T dimension tolerance is \pm 0.1.

Being extruded sections, products can twist. Supporting overall length of extrusion for use is recommended. See Aluminum Extrusion Tolerance Data on P514.

Type	Material	Surface Treatment
HFSP6	EN AC-51400-T5 Equiv.	Clear Anodize
GFSP6	EN AW-6061-T6 Equiv.	Clear Anodize

For detailed dimensions and shapes EXCEPT the slots on the milled surface, A and T dimensions, please refer to the drawing of the product of the below Part Number without "P". ((Ex.) HFSP6-3030 \rightarrow Ref. fig. HFS6-3030 (P571))

Part Number	Type	Dimensions
HFSP6-3030	Square Type	A, T \pm 0.05
HFSP6-100100	Rectangle Type (Horizontal)	A, T \pm 0.05
HFSP6-9060	Rectangle Type (Vertical)	A, T \pm 0.05
HFSP6-50100	Rectangle Type (Vertical)	A, T \pm 0.1
GFSP6-3060	Rectangle Type (Vertical)	A, T \pm 0.1
HFSP6-5050	Rectangle Type (Horizontal)	A, T \pm 0.05
HFSP6-6060	Rectangle Type (Horizontal)	A, T \pm 0.05
GFSP6-6030	Rectangle Type (Horizontal)	A, T \pm 0.05
HFSP6-10050	Rectangle Type (Horizontal)	A, T \pm 0.05
HFSP6-3090	Rectangle Type (Vertical)	A, T \pm 0.1
HFSP6-6090	Rectangle Type (Vertical)	A, T \pm 0.1
GFSP6-3030	L-Shaped Type	A, T \pm 0.05
EFSP6-30030	L-Shaped Type	A, T \pm 0.05

Part Number	L 0.5mm Increment	Extrusion Series	T	A	Unit Price (Less than 300mm)	Unit Price/m (300mm or More)	Alteration Charge (Main Body +)			Tapping (Refer to P757)		
							Counterboring XA - XE (per Row)	Wrench Hole Drilling AV - EV (per Row)	Tap Shape	Left LTP	Right RTP	Both TPW
HFSP6	3030	HFS6	29.2	30			Z6		M8 Depth 24			
	6030		29.2	60								
	3060		59.2	30								
	9030		29.2	90								
	3090		89.2	30								
	5050		49.2	50								
	10050		49.2	100								
	50100		99.2	50								
	100100		99.2	100								
	6060		59.2	60			Z8	D8 Ø8				
9060	59.2	90										
6090	89.2	60										
606030	59.2	60										
EFSP6	30030	EFSP6	29.2	300								
GFSP6	3030	GFS6	29.2	30								
6030	29.2		60									
3060	59.2		30									

Ordering Example: Part Number - L
HFSP6-3030 - 300

Alterations Adds a hole at a specified position.

Alterations Code	Z Selection	d	Counterboring					Wrench Hole				
			XA	XB	XC	XD	XE	AV	BV	CV	DV	EV
Spec.	6	6.5	Distance from the Left End Plane mm					Distance from the Left End Plane mm				
Specifications of Hole Size and Position	8	9	7-(L-7)					7-(L-7)				

Counterboring Direction

Wrench Hole Machining Direction

Ordering Example: HFSP6 - 606030 - 150 - Z6 - XA20 - XB45 - XC80 - XD120
HFSP6 - 3030 - 2000 - D8 - AV100 - BV120 - CV1000 - DV1880 - EV1900
HFSP6 - 3030 - 800 - LTP

When the cross section is L-shaped, select distance from left end with lower section in the back.

*1 When the cross section is rectangle (vertical), counterboring is not available for extrusions exceeding 60mm in the longitudinal direction.
*2 When the cross section is L-shaped, counterboring is not available for extrusions exceeding 60mm in longitudinal direction, except for the lower portion.

Features: Bending is applied to HFS6-3030.

Bent Aluminum Extrusions

RoHS

HFSMG6

30, 16.5, 8, 7, 12, 23.2, 4-R2, 23.2, 4-Ø4.2, Ø6.8

HFSFMG6

2, 7, 4-R2, 30, 16.5, 8, 12, 23.2, 4-Ø4.2, Ø6.8

When R=140, the frame slot may be deformed and becomes narrower in width at the spot where the frame is bent. Therefore, slot nut cannot be used. (For dedicated Bent Panels, refer to P968)

Only this side of HFSFMG6 has no slot.

R: Length to the Extrusion Center

90° \pm 2°

A \pm 5

Material: EN AC-51400-T5 Equiv. Surface Treatment: Clear Anodize

Part Number	Type	No.	1mm Increment A	1mm Increment B	R*	Series	Mass kg/m	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴
HFSMG	6-3030		200-1500	200-1000	140	HFS6	0.90	333	2.83x10 ⁴
HFSFMG					300*				2.83x10 ⁴
					500*				

*Bent panels for R300 and R500 are not available.

Part Number	Type	No.	Unit Price																	
			R140						R300			R500								
HFSMG HFSFMG	6-3030	200-300																		
		301-400																		
		401-500																		
		501-600																		
		601-700																		
		701-800																		
		801-900																		
		901-1000																		
		1001-1100																		
		1101-1200																		
		1201-1300																		
		1301-1400																		
		1401-1500																		

Features: Bent Aluminum Extrusions with a 140mm R.

90-Degree Bent Aluminum Extrusions for Corner

HFSMGQ

155, 30, 22.5 \pm 5, 90° \pm 2, R140, 22.5 \pm 5, 30

Bending is applied after anodizing; therefore, bent section may slightly discolor and becomes white.

Material: EN AC-51400-T5 Equiv. Surface Treatment: Anodize

Part Number	R	Slot Width	Mass kg	Sectional Area mm ²	Cross Sectional Moment of Inertia mm ⁴	Unit Price Qty. 1 - 8	Volume Discount Rate 9 - 120
HFSMGQ6-3030	140	8	0.8	333	2.83x10 ⁴		

Ordering Example: Part Number - A - B - R - LTP, RTP, TPW-etc.
HFSMGQ6-3030 - A400 - B500 - R140 - LTP-RCV



Alterations Code	Tapping (See P757)			D Type Hole (See P764)			M Type Hole (P766)			S Hole (See P765)			Wrench Hole (See P759)						
	LTP	RTP	TPW	LDH	LDV	RDH	RDV	LMH	LMV	RMH	RMV	LSH	LSV	RSV	LCH	LCV	LCP	RCH	RCV
Spec.	Tapping to the center hole. Tap Shape M12 Depth 36 LTP: Tapping on the Left End Face RTP: Tapping on the Bottom End Face TPW: Tapping on both ends. Ex. LTP			Adds D type hole in specified position. Can be connected with Single Joints (P609). LDH, RDH: Hole is machined on the left (bottom) of the extrusion from the horizontal direction. Ex. LDH Ex. RDV			Adds M type hole in specified position. Can be connected with Center Joint (P605). LMH, RMH: Hole is machined on the left (bottom) of the extrusion from the horizontal direction. Ex. LMH Ex. RMV			Adds S type hole in the specified position. Can be connected with Pre-Assembly Insertion Double Joints (P611). LSH, RSH: Hole is machined on the left (bottom) of the extrusion from the horizontal direction. Ex. LSH Ex. RSV			LCH, RCH: Wrench hole is machined on the left (bottom) of the extrusion from the horizontal direction. Ex. RCH LCV, RCV: Wrench hole is machined on the left (bottom) of the extrusion from the vertical (right) direction. Ex. LCV LCP, RCP: Wrench hole is machined on the left (bottom) of the extrusion from the vertical (right) direction. Ex. LCP						
Applicable Extrusion	HFSMG6-3030 HFSFMG6-3030 HFSMGQ6-3030			LMH and RMV is not applicable to HFSFMG6-3030.			LSV and RSV are not applicable to HFSFMG6-3030.												