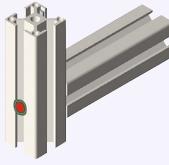
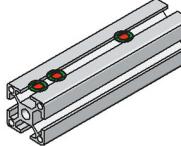


# Counterbores in Specified Position

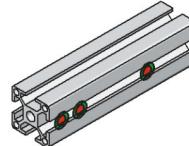
Counterbores useable for various purposes are added at customer specified locations.



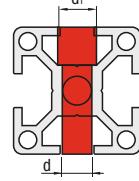
**Top to Bottom (Vertical)**  
XA XB XC XD XE



**Right to Left (Horizontal)**  
YA YB YC YD YE



**Cross Section View**



① Counterbore is added on every slot for multiple slotted extrusions.

## ■ Alteration Code Specification Method

As for the Counterbore, it is possible to select one type of hole diameter in Z selection and specify up to five holes in one direction.

• Specify the desired hole position from the left end.

Alterations		Counterboring				
Code	Extrusion Series	Z	d	d1	Distance from the Left End (0.5mm Increment)	
Spec.	Selection	XA	XB	XC	XD	XE
Specify Counterbores and Locations	HFS5	5	5.5	9.5		
		6	6.5	11		
	HFS6	6	6.5	11		
	GFS6	8	9	14		
	HFS8(-45)	6	6.5	11		
	GFS8	8	9	14		
		12	13	19	7-(L-7)	
					10-(L-10)	

② See the table below for the applicable extrusions and alteration charges. Indicated with “-” in the table are not applicable.

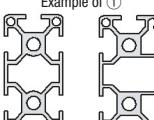
Alterations		Counterbores in Specified Position				
Code	No.	Page	From Top to Bottom	From Right to Left	XA-XE	YA-YE
Features	Type					
	Z					
	d					
	d1					
	Z5					
	d5.5					
	d1 9.5					
Four-Side Slots	HFS5					
	NFS5					
	2050					
	2060	P531				
	2550					
	CAF5					
	HFSY5					
	4040	P530				
	4050		P531			
	404020	P532				
3-Side Slot 1Side Flat	HFS505	2020	P529			
	NFS505	2040				
	2050	P530				
	2060					
Two-Side Slots Two Flats	HFS5T5	2020	P529			
	NFS5T5	2040	P530			
	2050					
Two Sots on Opposite Sides	HFS5H	2020	P529			
One-Side Slot Three Flats	HFS5L	2020	P529			
Angled	HFS30A5	20	P532			
	HFS45A5					
	HFS60A5					
Black Anodize	HFS5B5	2020	P529			
	NFS5B5	2040	P530			
	2525		P531			
	2550					
	4040					
	HFSFB5	2020	P529			
	HFSBTB5	2020	P529			
Curved	HFSR5	2020				
	404020	P532				
Four-Side Slots	HFS6	3030	P571			
	EFS6	3060	P573			
	3090		P576			
	3095					
	3050					
	50100	P579				
	NEFS6					
	GFS6	100100				
	CAF6					
	HFSY6	6090	P577			
3-Side Slot 1Side Flat	609100					
	609120					
	609200					
	609300					
Two-Side Slots Two Flats	HFS6T6	3030	P572			
	EFS6T6	3060	P574			
	NEFS6T6	5050	P579			
Two Sots on Opposite Sides	HFS6H	3030	P572			
	EFS6H	3060	P574			
One-Side Slot Three Flats	HFS6C	3030	P572			
	EFS6L	3060	P573			
Light Type	NFS6L	3060	P573			
	HFS6L	5050	P579			
Heavy Type	HFS6G	6060	P575			
Angled	HFS45A6	30	P578			
	HFS545A6					
	HFS60A6					
Black Anodize	HFS5B6	3030	P571			
	NFS5B6	3060	P573			
	5050		P576			
	NEFS6B	50100	P579			
	100100					
	6060		P575			
	HFSFB6					
	EFSFB6	3030	P572			
Curved	HFS5R6	3030				
		606030	P578			

## ■ Standard of Extrusion Position

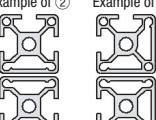
Placing method of the extrusion, which is a basis to determine right and left is shown as follows.

- ① On the vertical length
- ② Flat side down
- ③ One flat side down and another flat side right

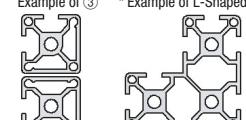
Example of ①



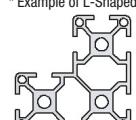
Example of ②



Example of ③



\* Example of L-Shaped



④ When the extrusion is on the vertical length and also has a flat side, ① has the priority.

## ■ Notes on Flat Sided Extrusions

Counterbores cannot be made from smooth extrusion sides, but can be made from slotted sides through the smooth sides.

From Top to Bottom X				Not Applicable
From Right to Left Y				Not Applicable

