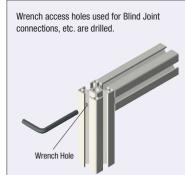
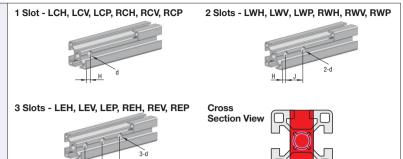
Fastening Location Wrench Access Hole Alterations

Blind Joints which require this alteration

P.609, etc.

Single Joints Tapping Joints P.552, etc.





Hole Position	Wrench Hole			
Extrusion Series	H(mm)	J(mm)	K(mm)	d(mm)
HFS5	10	20	20	7.35
HFS5 (25 Square)	12.5	25	25	7.33
HFS6	15	30	30	5
HFS6 (50 Square)	15	20	20	8
HFS8	20	40	40	0
HFS8-45	22.5	45	45	0
HFS8	20 22.5	40 45	40 45	8

■ Alteration Code Specification Method

Drilling option is specifiable by combining symbols in the first, second and third column in the table. Drills two rows of wrench holes horizontally on the left side of the extrusion. Drills two rows of wrench holes crisscross on the left side of the extrusion.

Meaning of Option Symbols									
First	Second	Third							
	(Wrench Holes in Single Line)(Wrench Holes in Two Lines)(Wrench Holes in Three Lines)	V (Vertical)							

^{*} For additional descriptions on various options, see Alteration Overview (P.755).

Alteration Code Example

Wrench Hole													
	Left Side		Right Side										
One Row Horizontally (Two Rows, Three Rows)	One Row Vertically (Two Rows, Three Rows)	One Row Vertically (Two Rows, Three Rows)	One Row Crisscross (Two Rows, Three Rows										
LCH(LWH,LEH)	LCV(LWV,LEV)	LCP(LWP,LEP)	RCH(RWH,REH)	RCV(RWV,REV)	RCP(RWP,REP)								



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

Alterations				Wrench	Wrench Hole Horizontal Drilling on the Left Vertical Drilling on the Left Crisscross Drilling on the Right Vertical Drilling on the Right Vertical Drilling on the Right Crisscross Drilling on the Right Vertical Drilling																	
		Access	Horizonta	al Drilling o	n the Left	Vertical I	Drilling on	the Left	Crisscros	s Drilling o	n the Left	Horizonta	Drilling on	the Right	Vertical D	Orilling on	the Right	Crisscross	Drilling on	the Right		
Code		Hole Dia.				1 Row							2 Rows									
Features	Type	No.	Page	Hole Bia.	LCH	LWH	LEH	LCV	LWV	LEV	LCP	LWP	LEP	RCH	RWH	REH	RCV	RWV	REV	RCP	RWP	REP
		2020	P.529																			
		2040	P.530						1									1 7				
	2060	1														Į	1 7					
	HFS5	2080	P.531					=														
Four-Side Slots	NFS5	2525																				
	CAF5 HFSY5	2550 4040	P.530	ļ												\vdash						
	HFSY5		P.530				_															
		4060 4080	P.531				_	_														
		404020	P.532	ł																		
		2020	P.529																			
	3-Side Slot HFSF5	2040																	4			
1Side Flat	NFSF5	4040	P.530																			
Two-Side Slots	HFST5	2020	P.529	i																		
Two Flats	NFST5	4040	P.530	Ø7.35																		
Two Slots on Opposite Sides	HFSH5	2020	P.529	1																		
One-Side Slot Three Flats	HFSC5	2020	1.525	l																		
	HFS30A5																					
Angled	HFS45A5	20	P.532		-	-	-	-	-	- 1	-	-	- 1	-	- 1	-	-	-	-	-	- 1	-
	HFS60A5	2020	P.529	Į.																		
		2020	P.529 P.530	-																		
	HFSB5		1																			
Black Anodize	NFSB5	2525 2550	P.531				_														_	_
		4040	P.530																			
	HFSFB5		1.000																			
	HFSTB5	2020	P.529																			
Curved	HFSR5	2020	1					-		-							-				-	
Curveu	пгоно	404020	P.532	1		-		-	-	_	-						-	_	_	-	-	-

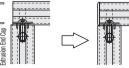
See the table below for the applicable extrusions and alteration charges. Indicated with "-" in the table are not applicable. iorizontal Drilling on the Left | Vertical Drilling on the Left | Vertical Drilling on the Left | Crisscross Drilling on the Left | Horizontal Drilling on the Right | Vertical Drilling on the Right | Crisscross Drilling on the Right | Row | 2 Rows | 3 Rows | 1 Row | 2 Rows | 3 Rows | 1 Row | 2 Rows | 3 Rows | 1 Row | 2 Rows | 3 Rows | P.576 P.579 Four-Side Slo P.575 Two-Side Slot Two Flats Light Type Angled P.578 P.576 P.579 P.575 P.572 P.573 Curved P578 P636 Light Type Angled P.637 Curved P637 P.687 P.689 Four-Side Slot P.683 Angled P686 P.685 P.682 P.683 Standard of Extrusion Position Hole(s) on smooth surfaces. Placing method of the extrusion, which is a basis to determine right and left is shown as follows.

① On the vertical length Specifying Wrench Access Hole in the flat surface direction provides holes on the flat surface also. To maintain the smoothness of the flat surface without wrench access holes, use of Simple Joint Kits (P.604) is recommended · Wrench access hole can be drilled Example of ② Example of 3 * Example of L-Shaped When the extrusion is on the vertical length and also has a flat side, ① has the priority. * For L-shaped, both vertical and horizontal hole machining are only in the long length direction. ■ Available Alteration Combinations Offsets the wrench access hole for the thickness of Extrusion End Cap (3mm). The extrusion end cap will be flat with the adjacent extrusion surface. (Free of Charge)

In order to make the extrusion and the extrusion end cap flat, FL: Shifts the wrench hole on the left side 3mm toward the left end.

-FL: Shifts the wrench hole on the right side 3mm toward the right end.

-FR: Shifts the wrench hole on the right side 3mm toward the right end.





3030 - 2160 - LCV - FL - RCV - FR

For HFS6-3030-194-LCV-FL-RCV-FR:

The wrench access holes originally to be drilled at 15mm will be moved to 12mm to take the extrusion end cap thickness in account