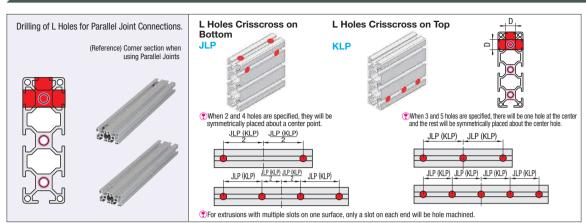
## **L Hole Alterations**

Blind Joints which require this alteration

Parallel Joints P.554, etc.

# **Other Special Alterations**



D+4.9~ L-D-10

Hole Pitch (1mm Increment) H (Number of Holes)

Alteration

Additional Info. on Smooth Sided Extrusions Notes on JLP / KLP Combination Use

Hole pitch on Top/Bottom can be separately specified, but

· Uneven number of holes

cannot be specified.

the number of holes will be equal on top and bottom.

· Hole pitch on Top/Bottom

can be specified separately.

D Holes in smooth side direction are blind holes, and

• Hole pitch on Top/Bottom can be separately specified, but the number of holes will be equal on top and bottom.

See the table t	below for the	applicable 6	extrusions and	d alteration ch	larges. Indicated	with "-" in the ta	able are not applicat	ole.					
Alterations				L Hole (Charge per 1 Hole I Crisscross on Top Section Cr		Crisscross on Bottom Section Alterations			L Hole (	Charge per 1 Hol Crisscross on Top Section	Crisscross on Bottom Secti		
Code			L Hole Dia.	JLP	KLP	Code			L Hole Dia.	JLP	KLP		
Features	Type	No.	Page	1			Features	Type	No.	Page P.631	1		
Four-Side Slots	HFS5 NFS5 CAF5	2020 2040 2060 2080 2525 2550 4040	P.529 P.530 P.531	-	-	-	Four-Side Slots	HFS8 EFS8 NFS8 NEFS8 GFS8 CAF8	4080 P.633 40120 P.636 8080 P.635 80160 P.636	P.633 P.636 P.635 P.636			
	HFSY5	4060 4080	P.530 P.531 P.532				3-Side Slot 1Side Flat	HFSY8 HFSH8 HFSF8 NFSF8 EFSF8 GFSF8	808040 8080 4040 4080	P.637 P.635 P.632 P.634			-
3-Side Slot 1Side Flat	HFSF5 NFSF5	404020 2020 2040	P.529 P.530	07.1		-	Two-Side Slots Two	HFST8 NEFST8 EFST8 GFST8 4080 4080 8080	P.635 P.632 P.634				
Two-Side Slots Two Flats	HFST5 NFST5	4040 2020	P.529			-	Flats		P.635			1	
Two Slots on Opposite Sides One-Side Slot Three Flats	HFSH5 HFSC5	2020	P.530 P.529		-		Two Slots on Opposite Sides	HFSH8 EFSH8 HFSC8 EFSC8	4040 4080	P.632 P.634	P634 P632 P631 P633 P633 P637 P631 P633	-	
Angled	HFS30A5 HFS45A5 HFS60A5	20	P.532				One-Side Slot Three Flats Light Type	EFSC8 HFSL8 NFSL8	4040 4040 4080	P.631			
		2020 2040	P.529 P.530				Angled	HFS30A8 HFS45A8 HFS60A8	4080			-	
Black Anodize	HFSB5 NFSB5	2525 2550 4040	P.531 P.530		-	-	Black Anodize	HFSB8 EFSB8	4040 4080				
	HFSFB5 HFSTB5	2020	P.529			-			40120 40160	P.636 P.636			
Curved	HFSR5	2020 404020	P.532		-				8080 80160	P.635 P.636			
Four-Side Slots	HFS6 EFS6 NFS6 NEFS6	3030 3060 3090 30120	P.571 P.573 P.576			-		HFSFB8 EFSFB8 HFSTB8 EFSTB8	4040				-
		5050 50100 100100	P.579		-	-		HFSLB8 HFSR8	4080 4040	P.633		-	
	GFS6 CAF6 HFSY6	6060 6090 60120 606030 30300	P.575 P.577 P.578 P.576				* Number of holes d		808040 Iteration fee		able x Number o	of Holes)	I
3-Side Slot 1Side Flat	HFSF6 EFSF6 NFSF6 NEFSF6	3030 3060 5050 6060 3030	P.572 P.574 P.579 P.575 P.572		-	-							
Two-Side Slots Two Flats	HFST6 EFST6 NEFST6	3060 5050 6060 3030	P.574 P.579 P.575										
Two Slots on Opposite Sides	HFSH6 EFSH6	3030 3060	P.572 P.574		-								
One-Side Slot Three Flats	HFSC6 EFSC6	3030	P.572	Ø11.1									
Light Type	NFSL6 HFSL6	3060 5050	P.573 P.579		-	-							
Heavy Type	HFS30A6	6060	P.575										
Angled	HFS45A6 HFS60A6	30	P.578		-	-							
	HFSB6 EFSB6 NFSB6	3030 3060 3090 30120 5050 50100	P.571 P.573 P.576		-	-							
Black Anodize	NEFSB6	100100 6060	P.575										
	HFSFB6 EFSFB6 HFSTB6 EFSTB6 HFSLB6	3030	P.572			-							
Curved	NFSR6 HFSR6	3060 - 3030 - 606030	P.573 P.578		-								

End plates mounting for GFS series

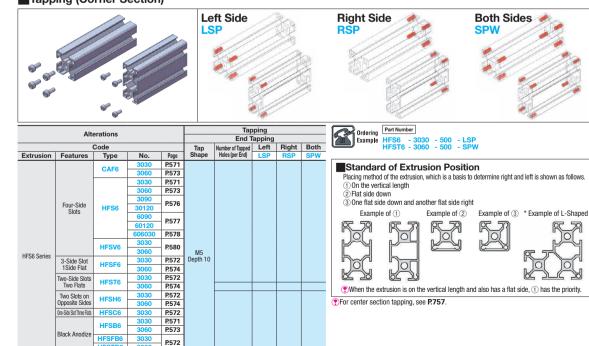
Machines countersink and tapped hole in order to mount the end plate for high rigidity aluminum extrusions.

Alterations		Hole Machining for End Plate Mounting					
Code	)	LTS RTS		TSW			
Spec.		Machined on the Left End  Screw Countersink Depth 36*  * Depth 24 for GFS6 Series	Machined on the Right End  Extrusion Screw  Countersink Depth 36  * Depth 24 for GFS6 Series	Machined on both ends.  Countersink Depth 36* Countersink Depth 36*			
Applicable Extrusion	Applicable Screw			* Depth 24 for GFS6 Series			
GFS6-3030	SHFBS8-15 x 1 pc.						
GFS6-3060	SHFBS8-15 x 2 pcs.						
GFS8-4040							
GFS8-4545	SHFBS12-20						
GFS8-5050	x 1 pc.						
GFS8-6060							
GFS8-4080							
GFS8-4590							
GFS8-50100	SHFBS12-20						
GFS8-9090	x 2 pcs.						
GFS8-100100							
GFS8-100200							

### ■End plates mounting for HFSR5-404020 and HFSR6-606030

Alterations		Hole Machining for End Plate Mounting				
Code		LTS	RTS	TSW		
Spec.		The diagram below shows the basic extrusion position. LTS: Machined on the Left End RTS: Machined on the Right End TSW: Machined on Both Ends				
Applicable Extrusion	Applicable Screw		Ex. LTS			
HFSR5-404020	SHFBS5-6					
HFSR6-606030	SHFBS8-12					

## ■Tapping (Corner Section)



Standard of Extrusion Position

1 On the vertical length

② Flat side down

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

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