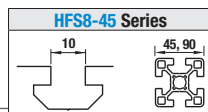
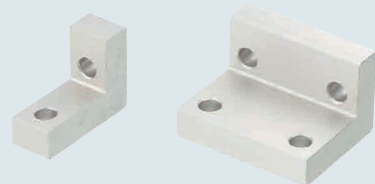


# Block Brackets / Brackets for Reinforcement

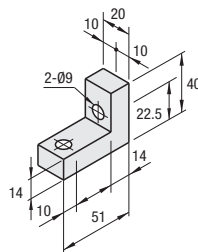
Slot Type: HFS8-45 Series (Aluminum Extrusions 45, 90 mm Square)



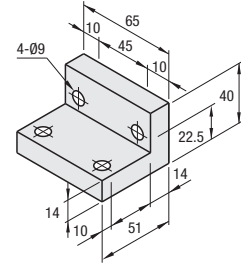
## Block Brackets



## Thin Brackets HBLSS8-45



## Thin Brackets HBLSD8-45



Type	Material	Surface Treatment
HBLSS8-45	A6N01SS-T5	Anodize
HBLSD8-45	Aluminum Alloy	Anodize

Part Number	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Quantity	T Nut	Quantity	
HBLSS8-45	52	CBM8-25	2	HNTT8-8	2	1666
HBLSD8-45	175		4		4	2352

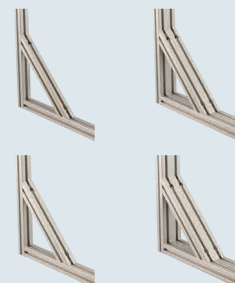
Part Number Example: HBLSS8-45

Part Number Alterations: HBLSS8-45 - SET

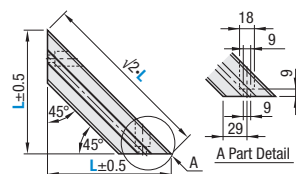
Alterations	Code	Spec.	Applicable Brackets
Applicable Screws & Nuts Set	SET	Applicable screws and nuts for fixing the brackets on extrusions come in a set. (Adds to the bracket price)	HBLSS8-45
	SST (Stainless Steel) SEU (Pre-Assy. Insertion Spring Nuts) SSU (Pre-Assy. Insertion Spring Nuts Stainless Steel) SEP (Post-Assy. Insertion Spring Nuts) SSP (Post-Assy. Insertion Spring Nuts Stainless Steel)	When SET is specified: Screw: HCBST8-24, Nut: HNTT8-8 When SST is specified: Screw: SCB8-25, Nut: HNTT8-8 When SEU is specified: Screw: CBM8-25, Nut: HNTU8-8 When SSU is specified: Screw: SCB8-25, Nut: SHNTU8-8 When SEP is specified: Screw: CBM8-25, Nut: HNTP8-8 When SSP is specified: Screw: SCB8-25, Nut: SHNTP8-8	HBLSD8-45

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

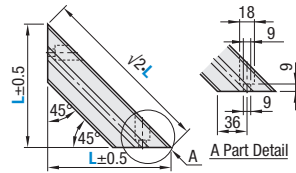
## Brackets for Reinforcement



## GFBL8-4545 GFBL8-4590



## GFBL8-5050 GFBL8-50100



Type	Material	Surface Treatment
GFBL8-4545	A6061SS-T6 Equivalent	Anodize
GFBL8-4590		
GFBL8-5050		
GFBL8-50100		

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

Part Number	L	Applicable Screw & Nut			
		Screw	Quantity	Nuts	Quantity
GFBL8	4545	HCBST8-24	2	HNTT8-8	2
	4590		4		4
	5050		2		2
	50100		4		4

Part Number Example: GFBL8-4545 - 300

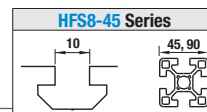
Part Number Alterations: GFBL8-4545 - 300 - SET

Alterations	Code	Spec.	Applicable Brackets
Applicable Screws & Nuts (come as a set)	SET	Supplies a set of applicable screws and nuts for fixing the bracket to an extrusion. (Adds to the bracket price)	GFBL8-4545
	SEU (Pre-Assy. Insertion Spring Nuts)	(Ex.) When GFBL8-4545 is specified,	GFBL8-4590
	SSU (Pre-Assy. Insertion Spring Nuts Stainless Steel)		GFBL8-5050
	SEP (Post-Assy. Insertion Spring Nuts)		GFBL8-50100

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

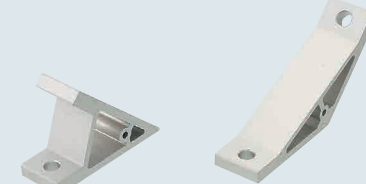
# Thin Brackets

Slot Type: HFS8-45 Series (Aluminum Extrusions 45, 90 mm Square)

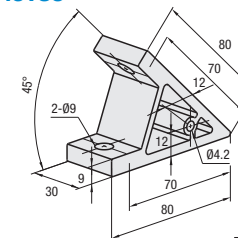


Features: Brackets to connect extrusions at angles.

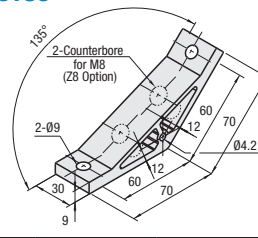
## Thin Brackets



## HBL45TS8



## HBL135TS8



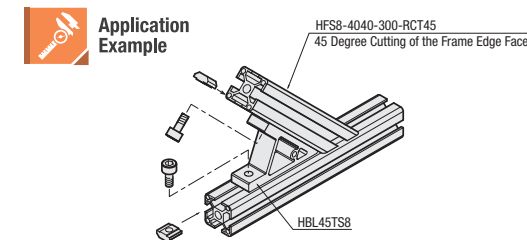
Type	Material	Surface Treatment
HBL45TS8	A6N01SS-T5	Anodize
HBL135TS8	Aluminum Alloy	Anodize

Part Number	Mass (g)	Applicable Screw / T Nut				Allowable Load (N)
		Screw	Qty.	T Nut	Qty.	
HBL45TS8	88	CBM8-20	2	HNTT8-8	2	2058
HBL135TS8	103		2		2	

Part Number Example: HBL45TS8

Part Number Alterations: HBL135TS8 - SET

Alterations	Code	Spec.	Applicable Brackets
Mounting Holes for Cover	C	Adds a tap for a bracket for cover mounting. (M5 on Both Sides, Depth 15 mm) (Mounting screw P.2861 HCBM)	HBL45TS8 HBL135TS8
Machines 2 counterbored holes on 135° bracket HBL135T_5. Counterboring	Z8	Machines 2 counterbored holes on 135° bracket HBL135T_5. 2 Counterbore holes for HBL135TS8 (Applicable screw: M8)  ⊗ Combination with SET and SST is not available.	HBL135TS8



Alterations	Code	Spec.	Applicable Brackets
Applicable Screws & Nuts (come as a set)	SET (Stainless Steel) SEU (Pre-Assy. Insertion Spring Nuts) SSU (Pre-Assy. Insertion Spring Nuts Stainless Steel) SEP (Post-Assy. Insertion Spring Nuts) SSP (Post-Assy. Insertion Spring Nuts Stainless Steel)	Supplies a set of applicable screws and nuts for fixing the bracket to an extrusion. (Adds to the bracket price) (Ex.) When SET is specified Bolt: CBM8-20 Nut: HNTT8-8 When SST is specified Bolt: SCB8-20 Nut: HNTT8-8 When SEU is specified Bolt: CBM8-20 Nut: HNTU8-8 When SSU is specified Bolt: SCB8-20 Nut: SHNTU8-8 When SEP is specified Bolt: CBM8-20 Nut: HNTP8-8 When SSP is specified Bolt: SCB8-20 Nut: SHNTP8-8	HBL45TS8
			HBL135TS8

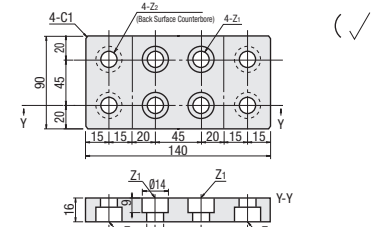
When -SET, -SEU or -SEP is specified, it is not RoHS compliant.

Features: Direct bolt-on brackets to use on tapped extrusions.

## Plate Brackets



## HBLPL8

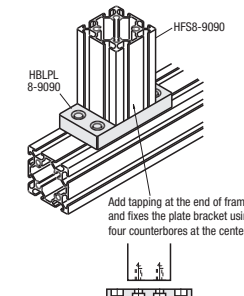


Type	Material	Surface Treatment
HBLPL8	1018 Carbon Steel or Equivalent	Electroless Nickel Plating

Part Number	Extrusions	Z <sub>1</sub>	Z <sub>2</sub>	Weight (g)
HBLPL8	9090	M8	M8	1490

Part Number Example: HBLPL8 - 9090

## Application Example



Alteration	Code	Spec.
Through Hole	DC	Add a through hole. DC=Hole Dia. 1 mm Increment ⊕ 10≤DC≤20 Ordering Code: DC12