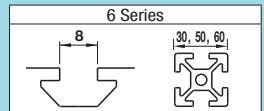


# Angled Brackets

For 6 Series (Slot Width 8mm) Aluminum Extrusions



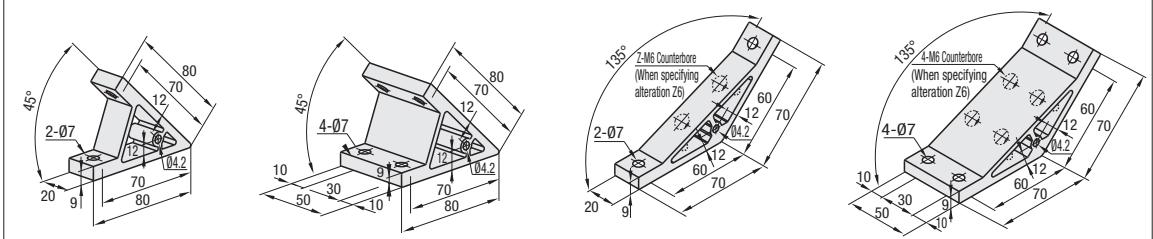
■ Features: Extruded Brackets to connect extrusions at angles.

## ■ Angled Brackets



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

**HBL45TS6**      **HBL45TD6**      **HBL135TS6**      **HBL135TD6**

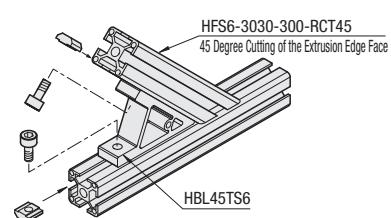


Part Number	Mass (g)	Applicable Screw, T Nut				Allowable Load (N)	Unit Price	Volume Discount Rate
		Screw	Quantity	T Nut	Quantity			
HBL45TS6	58	2		2	1176	1-99 pc(s)	100-200	
HBL45TD6	147	4		4	1960			
HBL135TS6	68	2		2	1176			
HBL135TD6	172	4		4	1960			

■ Ordering Example **HBL45TS6**



Example



■ Alterations Part Number - (C, SET, SST, SEU, SSU, SEP, SSP, Z6)  
**HBL45TS6** - **SET**

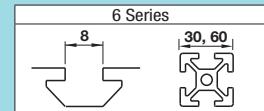
Alterations	Code	Spec.	Applicable Bracket
Mounting Hole Alteration for Cover	<b>C</b>	Adds taps on a bracket for cover mounting. (M5 on Both Sides, Depth 15mm) (Mounting Screw HCBM on P754)	<b>HBL45TS6</b> <b>HBL45TD6</b> <b>HBL135TS6</b>
Counterbored Holes on 135 Degree Bracket	<b>Z6</b>	135 Degree Bracket Adds two counterbored holes on HBL135T6. (Applicable Screw: M6)    <small>Not available in combination with Applicable Screws and Nuts.</small>	<b>HBL135TS6</b>  <b>HBL135TD6</b>

Alterations	Code	Spec.	Applicable Bracket
		Applicable screws and nuts for fixing the brackets on extrusions come in a set. (Adds to the bracket price)	<b>HBL45TS6</b>
		(Ex.) When HBL45TS6 is specified:	<b>HBL45TD6</b>
Applicable Screws and Nuts Set		Pre-Assembly Insertion Spring Nuts <b>SSU</b> Pre-Assembly Insertion Spring Nuts Stainless Steel <b>SEP</b> Post-Assembly Insertion Spring Nuts <b>SSP</b> Post-Assembly Insertion Spring Nuts Stainless Steel	<b>HBL135TS6</b>  <b>HBL135TD6</b>

Included Screw is not RoHS compliant when -SET, -SEU or -SEP are specified.

# Free Angle Brackets

For 6 Series (Slot Width 8mm) Aluminum Extrusions

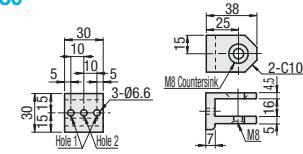


■ Features: Extrusions can be connected at any arbitrary angles.

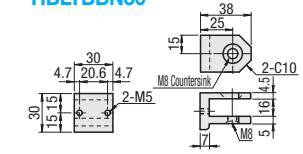
## ■ Free Angle Brackets



■ Extrusion Side Face Connection Type  
**HBLTBA30**

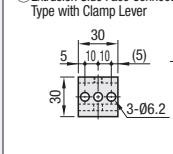


■ Extrusion Cross Section Connection Type  
**HBLTBBN30**

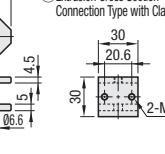


■ Clamp Lever Type  
**HBLTBC30**  
**HBLTBD30**

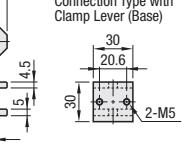
① Extrusion Side Face Connection Type with Clamp Lever



② Extrusion Cross Section Connection Type with Clamp Lever



③ Extrusion Cross Section Connection Type with Clamp Lever (Base)



Type	Material	Surface Treatment
HBLTBA30	EN AC-51400-T5 Equiv.	Anodize
HBLTBBN30		
HBLTBC30		
HBLTBD30		

Included Screw EN 1.7220 Equiv. Trivalent Chromate

Part Number	Type	Applicable Extrusion	Mass (g)	Accessory	Quantity	Unit Price	Volume Discount Rate
HBLTBA			33		1		
HBLTBBN	30	30 Square (HFS6)	35	M8x12	1		
HBLTBC			86	CLDMC6-32-M	1		
HBLTBD			88				

Part Number	Code	How to Use	Part Number	Type	No.	Accessory
HBLTBA30	SET	Use the hole 1	HBLTBA			
HBLTBA30	SET1	Use the hole 2	HBLTBA			
HBLTBC30	SET2	Use the hole 1	HBLTBC			
HBLTBC30	SET3	Use the hole 1	HBLTBC			
HBLTBC30	SET4	Use the hole 2	HBLTBC			
HBLTBD30	SET5	Use the hole 2	HBLTBD			

Ordering Example **HBLTBA30**

■ Example

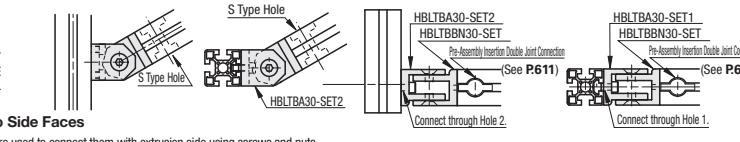
(1) Connection of Two End Sections

Two pieces of HBLTBBN are used to connect two end sections using Pre-Assembly Insertion Double Joints (P611). (With Clamp Lever Type: HBLTBD30)



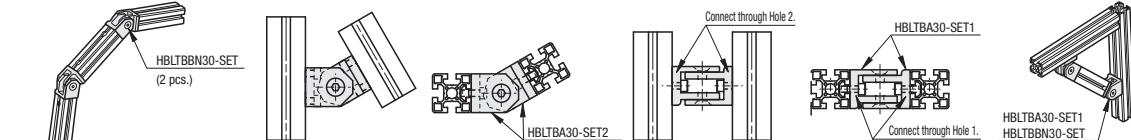
(2) Connection of Two Side Faces

To the extrusion side face, connect with HBLTBA, a screw and a nut. To the end face, use 1 HBLTBBN for 1 HBLTBA using Pre-Assembly Insertion Double Joint. (With Clamp Lever Type: HBLTBC30)



(3) Connection of Two Side Faces

Two pieces of HBLTBA are used to connect them with extrusion side using screws and nuts.

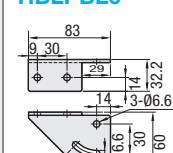


■ Features: Sheet Metal Brackets to fix at arbitrary positions.

## ■ Free Angle Sheet Metal Brackets

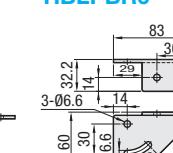


**HBLPBL6**



RoHS10

**HBLPBR6**



Part Number	Type	Applicable Extrusion	Applicable Screw and Nut	Unit Price	Volume Discount Rate
HBLPBL	6	30 Square (HFS6)	CBST6-12	4	100-150

Part Number	Code	Spec.	Applicable Bracket
HBLPBL	SET	Supplies a set of applicable screws and nuts for fixing the bracket to a extrusion.	<b>HBLPBL6</b> <b>HBLPBR6</b>

Part Number	Code	Spec.	Applicable Bracket
SET1	SET1	Applicable Screw: 3 pcs. Clamp Lever (LNP): 1 pc. Flat Washer (PWF): 1 pc. Applicable Nut: 4 pcs. Set with the above items.	<b>HBLPBL6</b> <b>HBLPBR6</b>

Ordering Example **HBLPBL6** - SET

■ Example



■ Example

