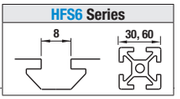
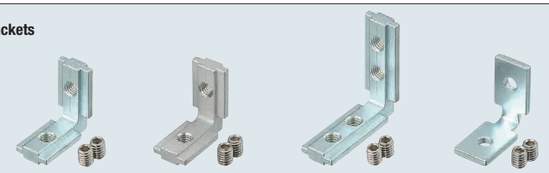
Blind Brackets / Post-Assembly Insertion

Slot Type: HFS6 Series (Aluminum Extrusions 30, 60 Square)

HFS6 Series



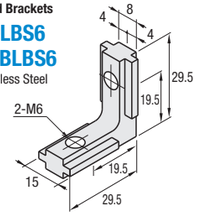
Blind Brackets



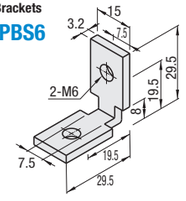
RoHS 10

Type	Material	Surface Treatment
HBLBS6	1045 Carbon Steel or Equivalent	Trivalent Chromate
HBLBSL6		
SHBLBS6	CF-8 Stainless Steel Cast	—
SHBLBSL6		
HBLPBS6	Low Carbon Steel	Trivalent Chromate

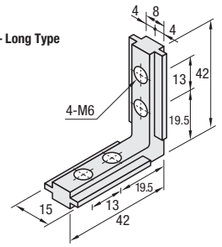
Blind Brackets
HBLBS6
SHBLBS6
Stainless Steel



Sheet Metal Blind Brackets
HBLPBS6



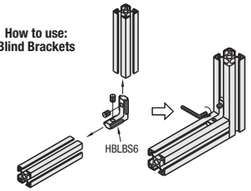
Blind Brackets – Long Type
HBLBSL6
SHBLBS6
Stainless Steel



Part Number Type	Mass (g)	Changes Included Screw & Nut Screw	Changes Included Screw & Nut Qty.	Allowable Load (N)
HBLBS6	30	Set Screw M6 x 8	2	686
SHBLBS6 (Stainless Steel)				
HBLBSL6	38		4	957
SHBLBSL6 (Stainless Steel)				
HBLPBS6	16		2	500

Application Example

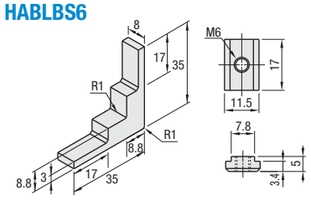
How to use: Blind Brackets



Post-Assembly Insertion Blind Brackets

RoHS 10

HABLBS6



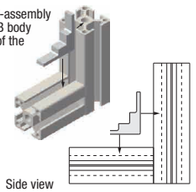
Type	Components	Material	Surface Treatment
HABLBS6	Post-Assembly Insertion BB Body	CF-8 Stainless Steel Cast	—
	Post-Assembly Insertion BB Nut	304 Stainless Steel (Sintered)	
	Set Screw	304 Stainless Steel	

Part Number Type	Mass (g)	Changes Included Screw & Nut Screw	Changes Included Screw & Nut Quantity	Allowable Load (N)
HABLBS6	28	Nut, Set Screw M6 x 5	2	500

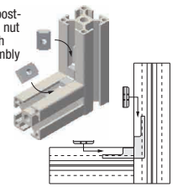
Application Example

How to Use Post-Assembly Insertion Blind Brackets

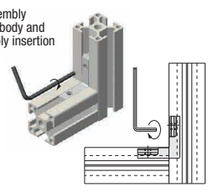
(1) Fit the post-assembly insertion BB body in the slot of the extrusion.



(2) Tilt two pieces of post-assembly insertion nut and fit them in both ends of post-assembly insertion BB body.



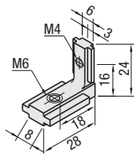
(3) Fix post-assembly insertion BB body and post-assembly insertion BB nuts with set screws.



Blind Brackets

RoHS 10

HBLBS6-5
(For 30 Square – 20 Square Connection) M



Type	Material	Surface Treatment
HBLBS6-5	1045 Carbon Steel or Equivalent	Trivalent Chromate

Part Number Type	Mass (g)	Extrusion Series	Changes Included Screw & Nut Screw	Changes Included Screw & Nut Qty.
HBLBS6-5	20	HFS6 and HFS5	Set Screw M4x5	1
			Set Screw M6x8	1

Part Number Example

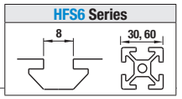
Part Number
HBLBS6

MiSUMi

Free Angle Brackets

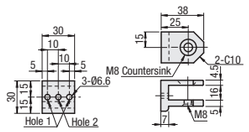
Slot Type: HFS6 Series (Aluminum Extrusions 30, 60 Square)

HFS6 Series

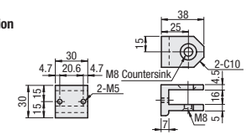


Free Angle Brackets

Extrusion Side Face Connection Type
HBLTBA30
(An order of quantity 1 includes 1 pc.)

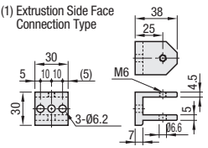


Extrusion Cross Section Connection Type
HBLTBBN30
(An order of quantity 1 includes 1 pc.)

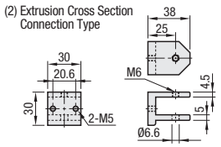


Clamp Lever Type
HBLTBC30 (An order of quantity 1 includes 1 pc. each of (1) and (3).)
HBLTBD30 (An order of quantity 1 includes 1 pc. each of (2) and (3).)

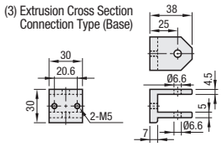
(1) Extrustion Side Face Connection Type



(2) Extrusion Cross Section Connection Type



(3) Extrusion Cross Section Connection Type (Base)



Type				Material	Surface Treatment
HBLTBA30	HBLTBBN30	HBLTBC30	HBLTBD30	A6N01SS-T5 Aluminum Alloy	Anodize
Included Screw				4137 Alloy Steel	Trivalent Chromate

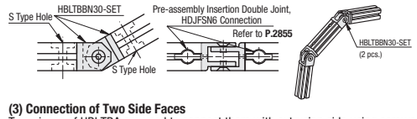
Part Number Type	Part Number No.	Applicable Extrusion	Mass (g)	Accessories	Quantity
HBLTBA	30	30 Square (HFS6)	33	M8 x 12	1
HBLTBBN			35		
HBLTBC			86	CLDMC6-32-M	1
HBLTBD			88		

Part Number Example

Part Number
HBLTBA30

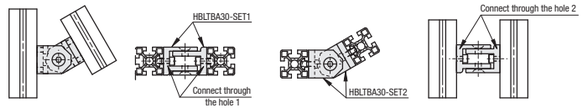
Application Example

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



(2) Connection of Two Side Faces
On the extrusion side face, connect with HBLTBA, a screw and a nut. On the end face, use 1 HBLTBBN for 1 HBLTBA using Pre-Assembly Insertion Double Joints (With Clamp Lever Type: HBLTBD30)

(3) Connection of Two Side Faces
Two pieces of HBLTBA are used to connect them with extrusion side using screws and nuts.

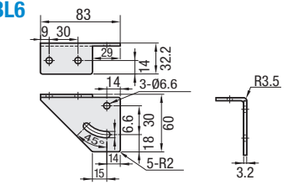


Free Angle Sheet Metal Brackets

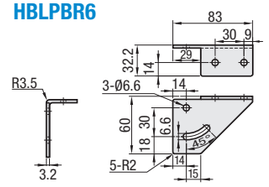
RoHS 10

Material: Low Carbon Steel
Surface Treatment: Trivalent Chromate

HBLPBL6



HBLPBR6



Part Number Type	Part Number No.	Applicable Extrusion	Applicable Screw & Nut Washer Integrated Hex Socket Head Cap Screws	Qty.	Nuts	Qty.
HBLPBL HBLPBR	6	30 Square (HFS6)	CBST6-12	4	HNTT6-6	4

Part Number Example

Part Number
HBLPBL6

Part Number Alterations

Part Number	-	(SET, SET1)
HBLPBL6	-	SET

Alterations	Code	Spec.	Applicable Bracket
Set of Applicable Screws & Nuts	SET	Supplies a set of applicable screws and nuts for fixing the bracket to a extrusion.	HBLPBL6 HBLPBR6
Set with Applicable Screws, Nuts & Clamp Levers	SET1	Applicable Screws 3 pcs. Clamp Lever (LNP) 1 Pc. Flat Washer (PWF) 1 Pc. Applicable Nuts 4 Pcs. Set with the above items.	HBLPBL6 HBLPBR6

Application Example

Part Number Alterations

Part Number	-	(SET / SET1 / SET2 / SET3 / SET4 / SET5)
HBLTBA30	-	SET2
HBLTBBN30	-	SET

Alterations	Code	How to use	Part Number Type	Part Number No.	Accessories Screw	Qty.	Nuts / Pre-Assembly Insertion Double Joints	Qty.
Applicable Screws & Nuts Set	SET		HBLTBBN	30	CBM5-25	2	HDJFSN6	1
	SET1	Use the hole 1	HBLTBA		CBM6-15	2	HNTT6-6	2
	SET2	Use the hole 2			CBM6-15	1	HNTT6-6	1
	SET3	Use the hole 1	HBLTBC		CBM5-25	2	HDJFSN6	1
					CBM6-15	2	HNTT6-6	2
	SET4	Use the hole 2	HBLTBC		CBM5-25	2	HDJFSN6	1
					CBM6-15	1	HNTT6-6	1
	SET5		HBLTBD		CBM5-25	4	HDJFSN6	2

When connecting with Pre-Assembly Insertion Double Joints, S type hole machining is required on extrusions. (Refer to **P.2872**) ⓘ Not RoHS compliant when -SET is specified.