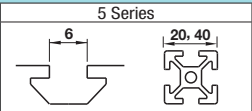


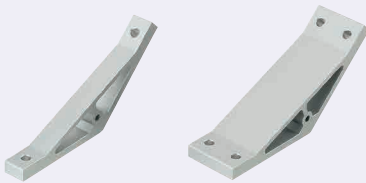
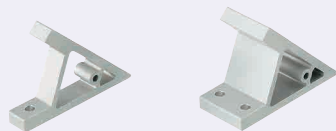
Angled Brackets

For 5 Series (Slot Width 6mm) Aluminum Extrusions

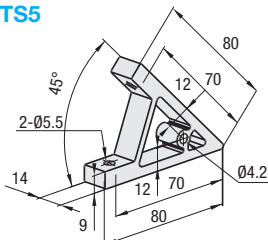


■ **Features:** Extruded Brackets to connect extrusions at angles.

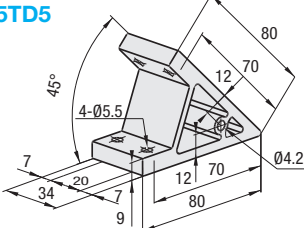
Angled Brackets



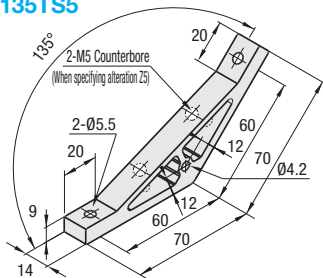
HBL45TS5



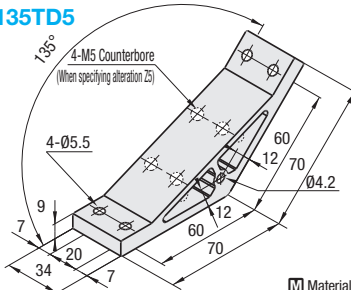
HBL45TD5



HBL135TS5



HBL135TD5

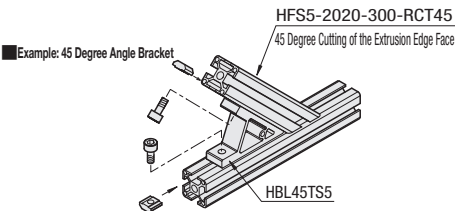


M Material: EN AC-51400-T5 Equiv.
S Surface Treatment: Clear Anodize

| Part Number | Mass (g) | Applicable Screw | T Nut | Quantity | Allowable Load (N) | Unit Price | Volume Discount Rate |
|-------------|----------|------------------|-------|----------|--------------------|------------|----------------------|
| HBL45TS5 | 41 | CBM5-14 | 2 | 2 | 833 | 1-99 pc(s) | 100-200 |
| HBL45TD5 | 100 | CBM5-14 | 4 | 4 | 1470 | | |
| HBL135TS5 | 48 | CBM5-14 | 2 | 2 | 833 | | |
| HBL135TD5 | 118 | CBM5-14 | 4 | 4 | 1470 | | |

Ordering Example **Part Number**
HBL45TS5

ex Example



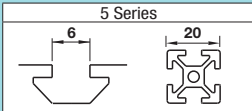
Alterations **Part Number** - (C, SET, SST, SEU, SSU, SEP, SSP, Z5)
HBL45TS5 - **SET**

| Alterations | Code | Spec. | Applicable Bracket |
|--|--|--|--|
| Mounting Hole Alteration for Cover | C | Adds taps on a bracket for cover mounting. (M5 on Both Sides, Depth 15mm) (Mounting Screw HCBM on P.754) | HBL45TS5 HBL135TS5 |
| Applicable Screw | SET SST SEU SSU SEP SSP | Applicable screws and nuts for fixing the brackets on extrusions come in a set. (Adds to the bracket price.) (Ex.) When HBL45TS5 is specified: Code Screw Nut SET CBM5-14 HNTT5-5 SST SCB5-14 HNTTBS5-5 SEU CBM5-14 HNTU5-5 SSU SCB5-14 SHNTU5-5 SEP CBM5-14 HNTTP5-5 SSP SCB5-14 SHNTTP5-5 ⚡ When specifying other than HBL45TS5, check for the applicable screws and nuts. | HBL45TS5 HBL45TD5 HBL135TS5 HBL135TD5 |
| Counterbored Holes on 135 Degree Bracket | Z5 | 135 Degree Bracket Adds two counterbored holes on HBL135T...5. (Applicable Screw M5) ⚡ Not available in combination with Applicable Screws and Nuts. | HBL135TS5 HBL135TD5 |

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

Free Angle Brackets

For 5 Series (Slot Width 6mm) Aluminum Extrusions



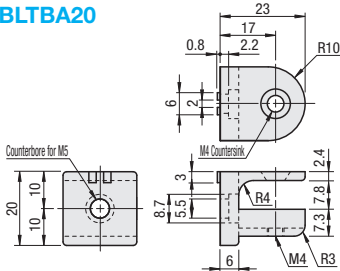
■ **Features:** Extrusions can be connected at any arbitrary angle.

Free Angle Brackets

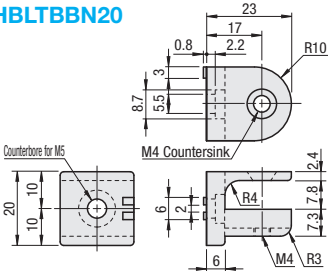


| Type | M Material | S Surface Treatment |
|----------------|------------------|---------------------|
| HBLTBA20 | EN AC-46100 | - |
| HBLTBBN20 | Equiv. | - |
| Included Screw | EN 1.7220 Equiv. | Trivalent Chromate |

HBLTBA20



HBLTBBN20



| Part Number | Applicable Extrusion | Mass (g) | Accessory: Hex Socket Flat Head Cap Screw (1 pc.) | Unit Price | Volume Discount Rate |
|-----------------------|----------------------|----------|---|--------------|----------------------|
| HBLTBA20 HBLTBBN20 | 20 Square (HFS5) | 10.8 | M4x6 | 1 - 14 pc(s) | 15 - 50 |

Ordering Example **Part Number**
HBLTBA20

Alterations **Part Number** - (SET, SET1, SET2, SET3)
HBLTBA20 - **SET2**
HBLTBBN20 - **SET**

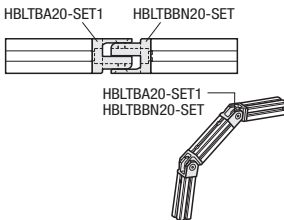
| Alterations | Code | How to Use | Part Number | Screw | Quantity | Nut Pre-Assembly Insertion Double Joints | Quantity |
|--------------------------------|------|-------------|-------------|---------|----------|--|----------|
| Applicable Screws and Nuts Set | SET | End Section | HBLTBBN20 | CBM5-15 | 1 | - | - |
| | SET1 | Mount | HBLTBA20 | CBM5-8 | 1 | - | - |
| | SET2 | Side Mount | HBLTBA20 | CBM5-8 | 1 | - | - |
| | SET3 | Side Mount | HBLTBBN20 | CBM5-8 | 1 | - | - |

⚡ Included Screw is not RoHS compliant when -SET... is specified.

ex Example

(1) Connection of Two End Sections

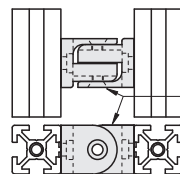
The method of connecting two end sections of extrusions is to add taps to the extrusions. Either HBLTBA20 or HBLTBBN20 can be used for connection.



(2) Connection of Two Extrusion Side Faces

(HBLTBA20 Connection)

Anti-spin protrusion is shown in the right figure.
Connect two extrusion sides to the side with HBLTBA20, screws and nuts.



(3) Connection of Two Extrusions Side Faces

(HBLTBBN20 Connection)

Anti-spin protrusion is shown in the right figure.
Connect two extrusion sides to the side with HBLTBBN20, screws and nuts.

