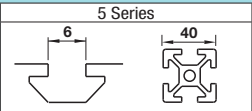


# Tabbed Brackets - For 2 Slots

For 5 Series (Slot Width 6mm) Aluminum Extrusions

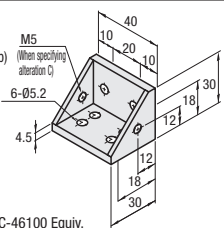


■ **Features:** Extrusions with 2 slots (HFS5-4040, etc.) can be connected with one bracket.

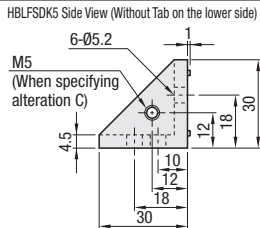
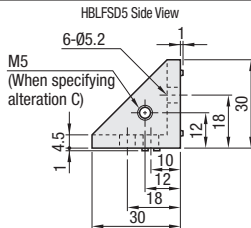
## ■ Tabbed Reversal Brackets



**HLFSD5**  
**HLFSDK5**  
(with Single Side Tab)



Material: EN AC-46100 Equiv.



Example

Can be connected in parallel and perpendicular directions to the extrusion slot.



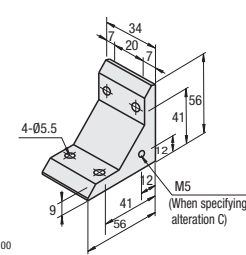
| Part Number | Mass (g) | Applicable Screw, T Nut | Quantity | Allowable Load (N) | Unit Price | Volume Discount Rate |
|-------------|----------|-------------------------|----------|--------------------|------------|----------------------|
| HLFSD5      | 25       | CBM5-10                 | 4        | HNTT5-5            | 4          | 1470                 |
| HLFSDK5     |          |                         |          |                    |            |                      |

■ **Features:** Tabbed Brackets with 2 slots for extrusions (HFS5-2040, etc.).

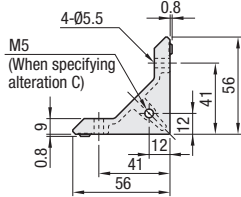
## ■ Tabbed Brackets



**HLFUD5**



Material: EN AC-46100 Equiv.



Example



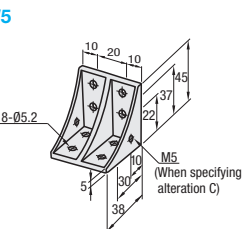
| Part Number | Mass (g) | Applicable Screw, T Nut | Quantity | Allowable Load (N) | Unit Price | Volume Discount Rate |
|-------------|----------|-------------------------|----------|--------------------|------------|----------------------|
| HLFUD5      | 76       | CBM5-14                 | 4        | HNTT5-5            | 4          | 1470                 |

■ **Features:** Ribbed Brackets with 4 mounting holes on one side can connect extrusions more securely.

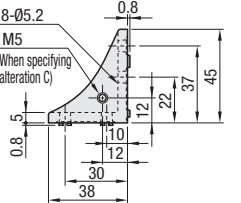
## ■ Tabbed Reversal Brackets



**HLFSDW5**



Material: EN AC-46100 Equiv.



Example



| Part Number | Mass (g) | Applicable Screw, T Nut | Quantity | Allowable Load (N) | Unit Price | Volume Discount Rate |
|-------------|----------|-------------------------|----------|--------------------|------------|----------------------|
| HLFSDW5     | 47       | CBM5-10                 | 8        | HNTT5-5            | 8          | 2156                 |

Ordering Example  
Part Number  
HLFSD5

Alterations  
Part Number  
HLFSD5 - (C, SET, SST, SEU, SSU, SEP, SSP, SEC)  
SET

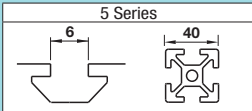
| Alterations                        | Code | Spec.                                                                                        | Applicable Bracket                     |
|------------------------------------|------|----------------------------------------------------------------------------------------------|----------------------------------------|
| Mounting Hole Alteration for Cover | C    | Adds taps on a bracket for cover mounting. (M5 on Both Sides) (Mounting Screw HCBM on P.754) | HLFSD5<br>HLFSDK5<br>HLFUD5<br>HLFSDW5 |

| Alterations                                                    | Code                                                        | Spec.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Applicable Bracket |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
|----------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|-----|-----|---------|---------|-----|---------|-----------|-----|---------|---------|-----|---------|----------|-----|---------|----------|-----|---------|-----------|-----|-----------|---------|--|
| Applicable Screws and Nuts Set                                 | SET SST<br><small>(Stainless Steel)</small>                 | Applicable screws and nuts for fixing the brackets on extrusions come in a set.<br>(Adds to the bracket price.)<br><br>(Ex.) When HBLFSD5 is specified: <table><tr><th>Code</th><th>Screw</th><th>Nut</th></tr><tr><td>SET</td><td>CBM5-10</td><td>HNTT5-5</td></tr><tr><td>SST</td><td>SCB5-10</td><td>HNTTBS5-5</td></tr><tr><td>SEU</td><td>CBM5-10</td><td>HNTU5-5</td></tr><tr><td>SSU</td><td>SCB5-10</td><td>SHNTU5-5</td></tr><tr><td>SEP</td><td>CBM5-10</td><td>HNTTP5-5</td></tr><tr><td>SSP</td><td>SCB5-10</td><td>SHNTTP5-5</td></tr><tr><td>SEC</td><td>HCBST5-12</td><td>HNTT5-5</td></tr></table><br>⚠ When specifying other than HBLFSD5, check for the applicable screws and nuts. | Code               | Screw     | Nut | SET | CBM5-10 | HNTT5-5 | SST | SCB5-10 | HNTTBS5-5 | SEU | CBM5-10 | HNTU5-5 | SSU | SCB5-10 | SHNTU5-5 | SEP | CBM5-10 | HNTTP5-5 | SSP | SCB5-10 | SHNTTP5-5 | SEC | HCBST5-12 | HNTT5-5 |  |
|                                                                | Code                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Screw              | Nut       |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
|                                                                | SET                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CBM5-10            | HNTT5-5   |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
|                                                                | SST                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SCB5-10            | HNTTBS5-5 |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
|                                                                | SEU                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CBM5-10            | HNTU5-5   |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
|                                                                | SSU                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SCB5-10            | SHNTU5-5  |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
|                                                                | SEP                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CBM5-10            | HNTTP5-5  |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
|                                                                | SSP                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SCB5-10            | SHNTTP5-5 |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
|                                                                | SEC                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HCBST5-12          | HNTT5-5   |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
|                                                                | SEU<br><small>Pre-Assembly<br/>Insertion Spring Nut</small> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HBLFSD5            |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
| SSU<br><small>Pre-Assembly<br/>Insertion Spring Nut</small>    |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
| SEP<br><small>Pre-Assembly<br/>Insertion Spring Nut</small>    | HBLFSDK5                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
| SSP<br><small>Pre-Assembly<br/>Insertion Spring Nut</small>    |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
| SEC<br><small>Screws with Captured<br/>Washer and Nuts</small> | HBLFUD5                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |
|                                                                |                                                             | HBLFSDW5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |  |

When specifying other than HBLFSD5, check for the applicable screws and nuts.

# Extruded Brackets - For 2 Slots

For 5 Series (Slot Width 6mm) Aluminum Extrusions

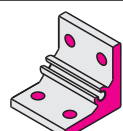
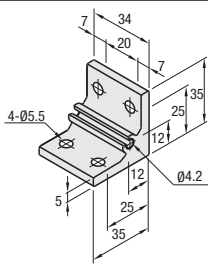


■ **Features:** Extrusions with 2 slots (HFS5-4040, etc.) can be connected with one bracket.

## ■ Thick Brackets



**NBLTD5**  
**NBLTDB5**  
(Black Anodize)  
**CHBLTD5**  
(Clear Coating)



Both sides and screw holes of NBLTD5 are not anodized.

| Type    | Material              | Surface Treatment                   |
|---------|-----------------------|-------------------------------------|
| NBLTD5  | EN AW-6063-T5 Equiv.  | Clear Anodize                       |
| NBLTDB5 | EN AC-51400-T5 Equiv. | Black Anodize                       |
| CHBLTD5 |                       | Clear Paint (Anodize + Clear Paint) |

| Part Number              | Mass (g) | Applicable Screw, T Nut | Quantity | Allowable Load (N) | Unit Price | Volume Discount Rate |
|--------------------------|----------|-------------------------|----------|--------------------|------------|----------------------|
| NBLTD5                   | 36       | CBM5-10                 | 4        | HNTT5-5            | 4          | 1470                 |
| NBLTDB5                  |          |                         |          |                    |            |                      |
| NBLTDB5* (Black Anodize) |          |                         |          |                    |            |                      |
| CHBLTD5 (Clear Coating)  |          |                         |          |                    |            |                      |

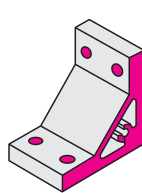
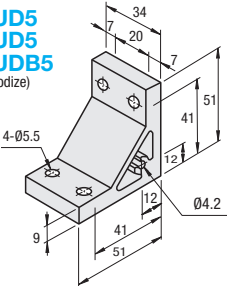
\* For repairing black anodizing, refer to P.846.

■ **Features:** Thick Brackets with increased strength. Recommended for enhancing the strength without increasing procedural steps.

## ■ Ultra Thick Brackets



**NBLUD5**  
**HBLUD5**  
**HBLUDB5**  
(Black Anodize)



Both sides and screw holes of NBLUD5 are not anodized.

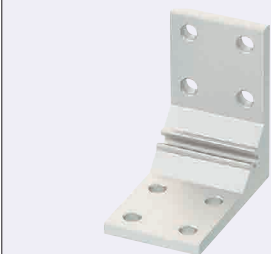
| Type   | Material              | Surface Treatment |
|--------|-----------------------|-------------------|
| NBLUD5 | EN AW-6063-T5 Equiv.  | Clear Anodize     |
| HBLUD5 | EN AC-51400-T5 Equiv. | Black Anodize     |

| Part Number              | Mass (g) | Applicable Screw, T Nut | Quantity | Allowable Load (N) | Unit Price | Volume Discount Rate |
|--------------------------|----------|-------------------------|----------|--------------------|------------|----------------------|
| NBLUD5                   | 75       | CBM5-14                 | 4        | HNTT5-5            | 4          | 1470                 |
| HBLUD5                   |          |                         |          |                    |            |                      |
| HBLUDB5* (Black Anodize) |          |                         |          |                    |            |                      |

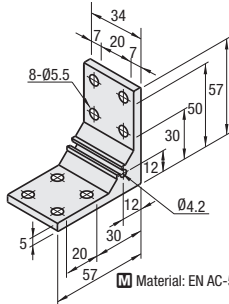
\* For repairing black anodizing, refer to P.846.

■ **Features:** Brackets for 2-slot extrusions with 4 mounting holes on one side can connect extrusions more securely.

## ■ Thick Brackets



**HBLTDW5**



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

| Part Number | Mass (g) | Applicable Screw, T Nut | Quantity | Allowable Load (N) | Unit Price | Volume Discount Rate |
|-------------|----------|-------------------------|----------|--------------------|------------|----------------------|
| HBLTDW5     | 59       | CBM5-10                 | 8        | HNTT5-5            | 8          | 2156                 |

Ordering Example  
Part Number  
HBLTD5

Alterations  
Part Number  
HBLTD5 - (C, SET, SST, SEU, SSU, SEP, SSP, SEC)  
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) | NBLTD5<br>HBLTD5<br>CHBLTD5<br>NBLUD5<br>HBLUD5<br>HBLUDB5<br>HBLTDW5 |

| Alterations                                        | Code                                   | Spec.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Applicable Bracket |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
|----------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|-----|-----|---------|---------|-----|---------|-----------|-----|---------|---------|-----|---------|----------|-----|---------|----------|-----|---------|-----------|-----|-----------|---------|--------|
| Applicable Screws and Nuts Set                     | <b>SET</b><br>SST<br>(Stainless Steel) | Applicable screws and nuts for fixing the brackets on extrusions come in a set. (Adds to the bracket price.)<br><br>(Ex.) When HBLTD5 is specified:<br><table><tr><th>Code</th><th>Screw</th><th>Nut</th></tr><tr><td>SET</td><td>CBM5-10</td><td>HNTT5-5</td></tr><tr><td>SST</td><td>SCB5-10</td><td>HNTTBS5-5</td></tr><tr><td>SEU</td><td>CBM5-10</td><td>HNTU5-5</td></tr><tr><td>SSU</td><td>SCB5-10</td><td>SHNTU5-5</td></tr><tr><td>SEP</td><td>CBM5-10</td><td>HNTTP5-5</td></tr><tr><td>SSP</td><td>SCB5-10</td><td>SHNTTP5-5</td></tr><tr><td>SEC</td><td>HCBST5-12</td><td>HNTT5-5</td></tr></table><br>When specifying other than HBLTD5, check for the applicable screws and nuts. | Code               | Screw     | Nut | SET | CBM5-10 | HNTT5-5 | SST | SCB5-10 | HNTTBS5-5 | SEU | CBM5-10 | HNTU5-5 | SSU | SCB5-10 | SHNTU5-5 | SEP | CBM5-10 | HNTTP5-5 | SSP | SCB5-10 | SHNTTP5-5 | SEC | HCBST5-12 | HNTT5-5 | NBLTD5 |
|                                                    | Code                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Screw              | Nut       |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
|                                                    | SET                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CBM5-10            | HNTT5-5   |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
|                                                    | SST                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SCB5-10            | HNTTBS5-5 |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
|                                                    | SEU                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CBM5-10            | HNTU5-5   |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
|                                                    | SSU                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SCB5-10            | SHNTU5-5  |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
|                                                    | SEP                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CBM5-10            | HNTTP5-5  |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
|                                                    | SSP                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SCB5-10            | SHNTTP5-5 |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
|                                                    | SEC                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | HCBST5-12          | HNTT5-5   |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
| <b>SEU</b><br>Pre-Assembly Insertion Spring Nut    | HBLTD5                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
| <b>SSU</b><br>Pre-Assembly Insertion Spring Nut    | HBLTDB5                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
| <b>SEP</b><br>Pre-Assembly Insertion Spring Nut    | CHBLTD5                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
| <b>SSP</b><br>Pre-Assembly Insertion Spring Nut    | NBLUD5                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
| <b>SEC</b><br>Screws with Captured Washer and Nuts | HBLUD5                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
|                                                    | HBLUDB5                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |
|                                                    | HBLTDW5                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |           |     |     |         |         |     |         |           |     |         |         |     |         |          |     |         |          |     |         |           |     |           |         |        |

Screws for black anodized brackets are HCBMTB (Trivalent Chromate Black) on P.751.

Included Screw is not RoHS compliant when -SET, -SEU or -SEP other than black anodized brackets is specified.