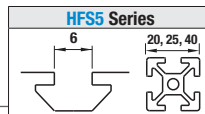


Thin Brackets

Slot Type: HFS5 Series (Aluminum Extrusions 20, 25, 40 mm Square)



Features: Thin Extruded Brackets. Space saving design.

Thin Brackets

| Type | Material | Surface Treatment |
|----------|---------------------------|-------------------|
| HBLSS_5 | A6N01SS-T5 Aluminum Alloy | Clear Anodize |
| HBLSS_B5 | Aluminum Alloy | Black Anodize |

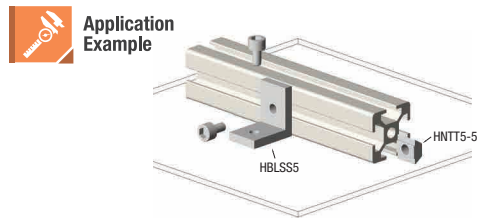
HBLSS5
HBLSSB5
(Black Anodize)

HBLSD5
HBLSD5B5
(Black Anodize)

HBLST5

| Part Number Type | Mass (g) | Applicable Screw / T Nut | | | | Allowable Load (N) |
|---------------------------|----------|--------------------------|------|---------|------|--------------------|
| | | Screw | Qty. | T Nut | Qty. | |
| HBLSS5 | 3.8 | CBM5-8 | 2 | HNTT5-5 | 2 | 686 |
| HBLSSB5* (Black Anodize) | | | | | | |
| HBLSD5 | 10 | CBM5-8 | 4 | HNTT5-5 | 4 | 1176 |
| HBLSD5B5* (Black Anodize) | | | | | | |
| HBLST5 | 15 | | 6 | | 6 | 1617 |

*For repairing black anodizing, refer to P.2965



Features: Thin Brackets with tabs to fit extrusions and stop rotation when tightening. Excels in work efficiency.

Thin Stainless Steel Tabbed Brackets

HBLSP5

| Type | Material | Surface Treatment |
|--------|---------------------|-------------------|
| HBLSP5 | 304 Stainless Steel | — |

| Type | Mass (g) | Applicable Screw / T Nut | | | | Allowable Load (N) |
|--------|----------|--------------------------|------|---------|------|--------------------|
| | | Screw | Qty. | T Nut | Qty. | |
| HBLSP5 | 10 | CBM5-8 | 2 | HNTT5-5 | 2 | 686 |

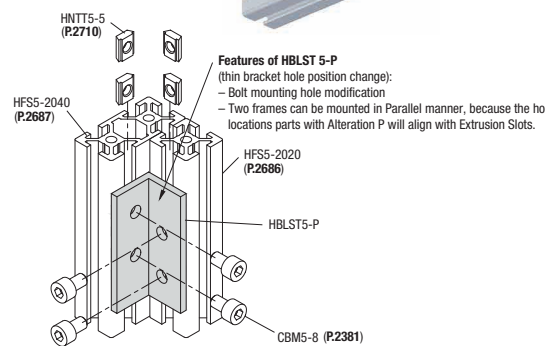


Features of HBLSP (Slot Stainless Steel Brackets with Tabs)
There are protrusions to be inserted into slots. (Depth: 0.9 mm)

Part Number Example: **HBLST5**

Part Number Alterations: **HBLST5 - SET**

| Alterations | Code | Spec. | Applicable Brackets | Available Types | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---------------------------------|---|---------------------|-----------------|------|-----|--------|---------|-----|--------|-----------|-----|--------|---------|-----|--------|----------|-----|--------|----------|-----|--------|-----------|--------|---|---|---|---|---|---|
| | | | | SET | SST | SEU | SSU | SEP | SSP | | | | | | | | | | | | | | | | | | | | | |
| Applicable Screws and Nuts Set | SET (Stainless Steel) | Supplies a set of applicable screws and nuts for fixing the bracket to an extrusion. (Ex.) When HBLSS5 is specified, <table border="1"> <thead> <tr> <th>CODE</th> <th>Screws</th> <th>Nuts</th> </tr> </thead> <tbody> <tr> <td>SET</td> <td>CBM5-8</td> <td>HNTT5-5</td> </tr> <tr> <td>SST</td> <td>SCB5-8</td> <td>HNTTB55-5</td> </tr> <tr> <td>SEU</td> <td>CBM5-8</td> <td>HNTU5-5</td> </tr> <tr> <td>SSU</td> <td>SCB5-8</td> <td>SHNTU5-5</td> </tr> <tr> <td>SEP</td> <td>CBM5-8</td> <td>HNTTP5-5</td> </tr> <tr> <td>SSP</td> <td>SCB5-8</td> <td>SHNTTP5-5</td> </tr> </tbody> </table> Ⓢ When specifying other than HBLSS5, check for the applicable screws and nuts. | CODE | Screws | Nuts | SET | CBM5-8 | HNTT5-5 | SST | SCB5-8 | HNTTB55-5 | SEU | CBM5-8 | HNTU5-5 | SSU | SCB5-8 | SHNTU5-5 | SEP | CBM5-8 | HNTTP5-5 | SSP | SCB5-8 | SHNTTP5-5 | HBLSS5 | • | • | • | • | • | • |
| | CODE | | Screws | Nuts | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SET | | CBM5-8 | HNTT5-5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SST | | SCB5-8 | HNTTB55-5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SEU | | CBM5-8 | HNTU5-5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SSU | | SCB5-8 | SHNTU5-5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SEP | | CBM5-8 | HNTTP5-5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SSP | | SCB5-8 | SHNTTP5-5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HBLSSB5 | | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| | HBLBL5 | | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| HBLSD5B5 | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| HBLSD5 | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| HBLST5 | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| HBLSP5 | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |

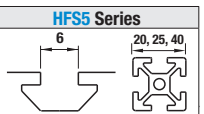


| Alterations | Code | Spec. | Applicable Brackets | ¥/1Code |
|---------------------------------------|----------|--|---------------------|---------|
| Hole Position Modification Alteration | P | Thin bracket HBLSD5 - Change the position of mounting holes. | HBLST5 | 10 |

Ⓢ Screws for black anodized parts are HCBMTB (Trivalent Chromate Black). P.2965
Ⓢ Not RoHS compliant when -SET, -SEU or -SEP other than black anodized parts is specified.

Block Brackets / Brackets for Reinforcement / Plate Brackets

Slot Type: HFS5 Series (Aluminum Extrusions 20, 25, 40 mm Square)



Features: These brackets do not protrude from the widths of the extrusions when used for cross connecting. Space-saving design compared to Tabbed Reversal Brackets.

Block Brackets

| Type | Material | Surface Treatment |
|-------|---------------------|-------------------|
| HLBL5 | 6063 Aluminum Alloy | Anodize |

HLBL5

| Part Number Type | Mass (g) | Applicable Screw | | Allowable Load (N) |
|------------------|----------|------------------|------|--------------------|
| | | Screw | Qty. | |
| HLBL5 | 13 | CBM5-8 | 2 | 686 |

Part Number Example: **HLBL5**

Features: Reinforcement Brackets machined from extrusions. Usable on locations needing more strength after connecting with brackets.

Brackets for Reinforcement

| Type | Material | Surface Treatment |
|-------|---------------------------|-------------------|
| HFBL5 | A6N01SS-T5 Aluminum Alloy | Clear Anodize |

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

HFBL5-2020
HFBL5-2040

HFBL5-4020

| Part Number Type | No. | L 1 mm Increment | Applicable Screw / Nut | | | |
|------------------|------|------------------|------------------------|------|---------|------|
| | | | Screw | Qty. | Nut | Qty. |
| HFBL5 | 2020 | 100-500 | CBM5-8 | 2 | HNTT5-5 | 2 |
| | 2040 | | | 4 | | 4 |
| | 4020 | | | 2 | | 2 |

Part Number Example: **HFBL5-2020 - L**

Part Number Alterations: **HFBL5-2020 - 300 - SET**

| Alterations | Code | Spec. | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--------|-----------|------|-----|--------|---------|-----|--------|-----------|-----|--------|---------|-----|--------|----------|-----|--------|----------|-----|--------|-----------|
| Applicable Screws and Nuts Set | SET (Stainless Steel) | Supplies a set of applicable screws and nuts for fixing the bracket to an extrusion. (Ex.) When HLBL5 is specified, <table border="1"> <thead> <tr> <th>CODE</th> <th>Screws</th> <th>Nuts</th> </tr> </thead> <tbody> <tr> <td>SET</td> <td>CBM5-8</td> <td>HNTT5-5</td> </tr> <tr> <td>SST</td> <td>SCB5-8</td> <td>HNTTB55-5</td> </tr> <tr> <td>SEU</td> <td>CBM5-8</td> <td>HNTU5-5</td> </tr> <tr> <td>SSU</td> <td>SCB5-8</td> <td>SHNTU5-5</td> </tr> <tr> <td>SEP</td> <td>CBM5-8</td> <td>HNTTP5-5</td> </tr> <tr> <td>SSP</td> <td>SCB5-8</td> <td>SHNTTP5-5</td> </tr> </tbody> </table> Ⓢ When specifying other than HLBL5, check for the applicable screws and nuts. | CODE | Screws | Nuts | SET | CBM5-8 | HNTT5-5 | SST | SCB5-8 | HNTTB55-5 | SEU | CBM5-8 | HNTU5-5 | SSU | SCB5-8 | SHNTU5-5 | SEP | CBM5-8 | HNTTP5-5 | SSP | SCB5-8 | SHNTTP5-5 |
| | CODE | | Screws | Nuts | | | | | | | | | | | | | | | | | | | |
| | SET | | CBM5-8 | HNTT5-5 | | | | | | | | | | | | | | | | | | | |
| | SST | | SCB5-8 | HNTTB55-5 | | | | | | | | | | | | | | | | | | | |
| | SEU | | CBM5-8 | HNTU5-5 | | | | | | | | | | | | | | | | | | | |
| | SSU | | SCB5-8 | SHNTU5-5 | | | | | | | | | | | | | | | | | | | |
| | SEP | | CBM5-8 | HNTTP5-5 | | | | | | | | | | | | | | | | | | | |
| | SSP | | SCB5-8 | SHNTTP5-5 | | | | | | | | | | | | | | | | | | | |
| | SST | | | | | | | | | | | | | | | | | | | | | | |
| | 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) | | | | | | | | | | | | | | | | | | | | | | | |

Ⓢ Not RoHS compliant when -SET, -SEU or -SEP other than black anodized parts is specified.

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

Plate Brackets

| Type | Material | Surface Treatment |
|--------|---------------------------------|----------------------------|
| HBLPL5 | 1018 Carbon Steel or Equivalent | Electroless Nickel Plating |

HBLPL5-4040

| Part Number Type | Extrusions | Z ₁ | Z ₂ | Mass (g) |
|------------------|------------|------------------|----------------|----------|
| | | Applicable Screw | | |
| HBLPL5 | 4040 | M5 | M5 | 210 |

Part Number Alterations: **HBLPL5 - Extrusions - (DC)**

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

