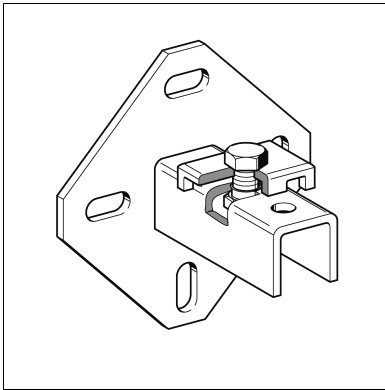




## End Support WBD

Group: 1356

### Application

In combination with a channel, End Support WBD is particularly suitable

♦ for setting up support structures attached to walls, floors and ceilings

♦ as a base for frame structures made of Sikla Channels.

The generous dimensions and the diamond shape of the mounting plate provide a high bending moment and safely stabilise lateral loads.

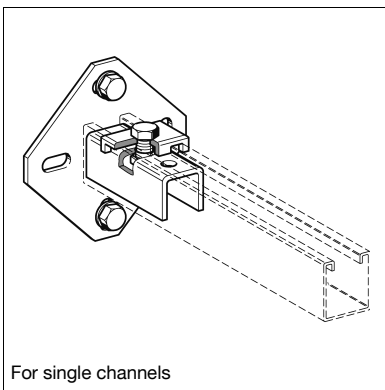
### Installation

Normally, two bolts grouped opposite to each other and along the load axis are sufficient. In exceptional cases (e.g. tall uprights in frameworks) four bolts are required.

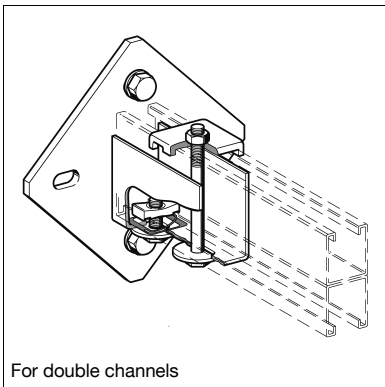
Minimum torque values for the hexagon bolts of the 41 Holding Brackets are:

| Types                    | Holding Brackets<br>[pcs] | Bolt for Holding<br>Bracket | Accessories   | Torque<br>[Nm] |
|--------------------------|---------------------------|-----------------------------|---------------|----------------|
| 41/21-31 up to 41/41-45  | 1                         | M10                         | pre-assembled | 40             |
| 41/52 up to 41-75/75     | 2                         | M12                         | pre-assembled | 60             |
| 41/21 D up to 41/45 D    | 1                         | M10                         | in loose form | 40             |
| 41/52 D up to 41-75/75 D | 1                         | M12                         | in loose form | 60             |

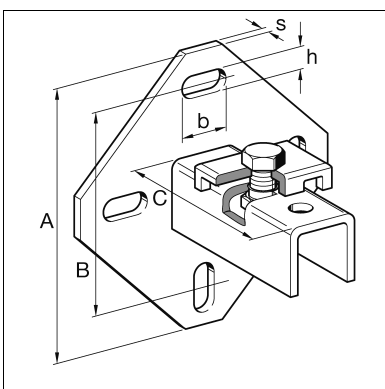
For ceiling mounting under high loads (up to 7.0 kN), we recommend the use of at least one fully traversing bolt for connecting the channel to the End Support WBD (for examples see "Installation Guideline").



For single channels



For double channels



### Technical Data

| Type       | Suitable for Sikla<br>Channel    | A<br>[mm] | s<br>[mm] | B<br>[mm] | b<br>[mm] | h<br>[mm] | C<br>[mm] |
|------------|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 41/21-31   | 41/21/1.5 - 2.0<br>41/31/2,0     | 135       | 6         | 100       | 25        | 11        | 95        |
| 41/41-45   | 41/41/2.0 - 2.5<br>41/45/2.5     | 135       | 6         | 100       | 25        | 11        | 95        |
| 41/52      | 41/52/2.5                        | 170       | 6         | 120       | 25        | 13        | 131       |
| 41/62      | 41/62/2.5                        | 170       | 6         | 120       | 25        | 13        | 131       |
| 41-75/65   | 41-75/65/3.0                     | 210       | 8         | 170       | 25        | 13        | 131       |
| 41-75/75   | 41-75/75/3.0                     | 210       | 8         | 170       | 25        | 13        | 131       |
| 41/21 D    | 41/21/1.5 - 2.0 D                | 135       | 6         | 100       | 25        | 11        | 125       |
| 41/41-45 D | 41/41/2.0 - 2.5 D<br>41/45/2.5 D | 210       | 8         | 170       | 25        | 13        | 125       |
| 41/52 D    | 41/52/2.5 D                      | 210       | 8         | 170       | 25        | 13        | 135       |
| 41/62 D    | 41/62/2.5 D                      | 255       | 8         | 205       | 25        | 13        | 135       |
| 41-75/65 D | 41-75/65/3.0 D                   | 255       | 8         | 205       | 25        | 13        | 135       |
| 41-75/75 D | 41-75/75/3.0 D                   | 255       | 8         | 205       | 25        | 13        | 135       |

Working load for wall mounting:

See tables on the following pages. The figures apply on wall applications if two bolts of the load class as stated are used.

Working load for ceiling mounting:

The permissible maximum vertical load for ceiling mounting structures fixed by way of at least one traversing bolt (class 8.8) amounts to 7.0 kN

For End Supports WBD for single channels, the following values apply subject to the condition that all included accessories are assembled correctly.

| Types                   | Working load (tension)<br>for ceiling mounting<br>[kN] |
|-------------------------|--------------------------------------------------------|
| 41/21-31 up to 41/41-45 | 2.0                                                    |
| 41/52 up to 41-75/75    | 4.0                                                    |

Material: Steel, cold-formed, electro-galvanised

| Type       | For Sikla Channel        | Holding Brackets<br>[number of] | W<br>[kg] | Quantity<br>[pack] | Part<br>number |
|------------|--------------------------|---------------------------------|-----------|--------------------|----------------|
| 41/21-31   | 41/21/2.5                | 1                               | 0.73      | 10                 | <b>177725</b>  |
| 41/41-45   | 41/41/2.5; 41/45/3.0     | 1                               | 0.83      | 10                 | <b>155054</b>  |
| 41/52      | 41/52/3.0                | 2                               | 1.44      | 5                  | <b>177734</b>  |
| 41/62      | 41/62/3.0                | 2                               | 1.50      | 5                  | <b>155063</b>  |
| 41-75/65   | 41-75/65/3.0             | 2                               | 2.15      | 5                  | <b>177743</b>  |
| 41-75/75   | 41-75/75/3.0             | 2                               | 2.19      | 5                  | <b>177752</b>  |
| 41/21 D    | 41/21/2.5 D              | 1                               | 1.14      | 5                  | <b>146469</b>  |
| 41/41-45 D | 41/41/2.5 D; 41/45/3.0 D | 1                               | 2.46      | 5                  | <b>106768</b>  |
| 41/52 D    | 41/52/3.0 D              | 1                               | 2.86      | 5                  | <b>177761</b>  |
| 41/62 D    | 41/62/3.0 D              | 1                               | 4.00      | 5                  | <b>155090</b>  |
| 41-75/65 D | 41-75/65/3.0 D           | 1                               | 4.18      | 5                  | <b>177770</b>  |
| 41-75/75 D | 41-75/75/3.0 D           | 1                               | 4.38      | 5                  | <b>177779</b>  |