

## Visible installation

# Mounting instructions

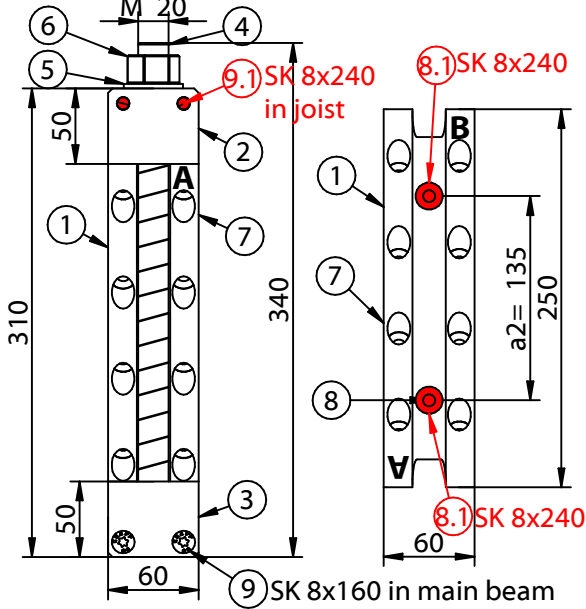
# MEGANT® 60

## Regular sizes overview

ALU AW 6005

Main beam/Column:

Secondary beam/joist:

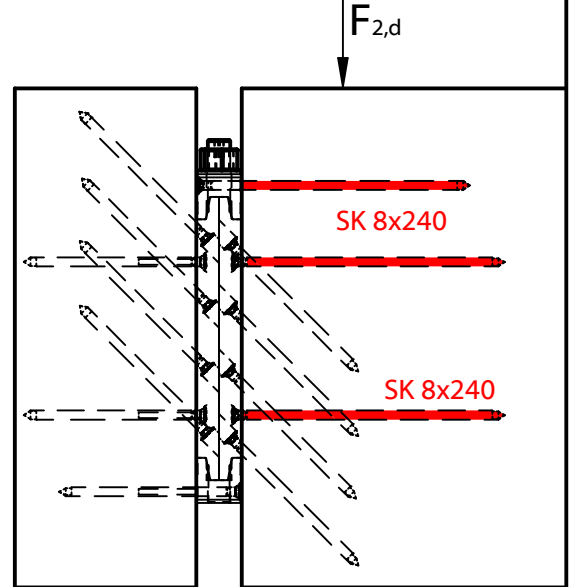


MEGANT®  
310x60x40  
(Art.No. K242)

### Connector plate specs

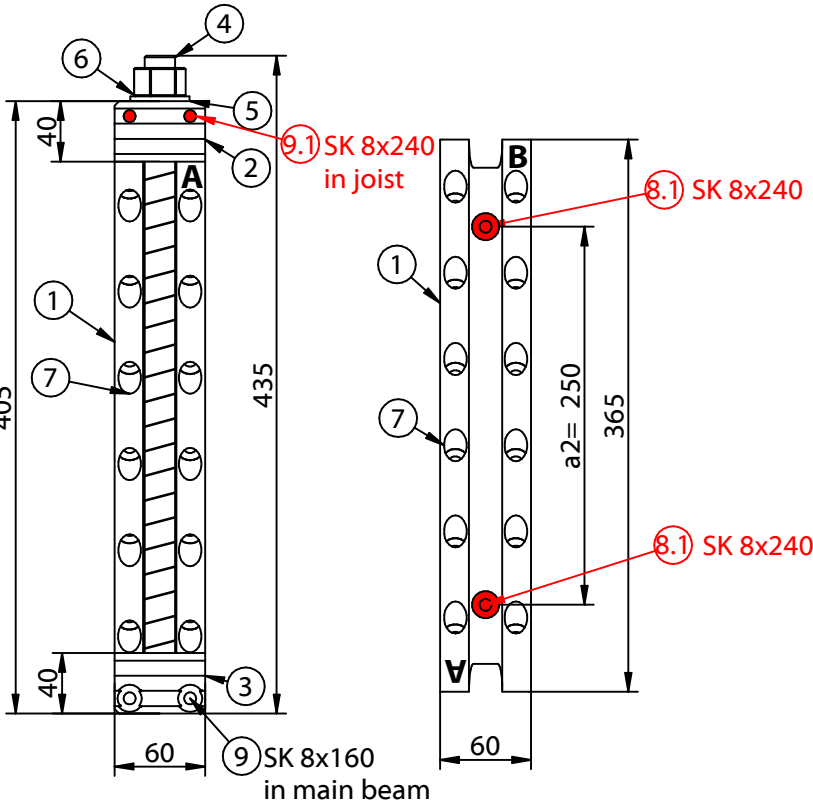
Main beam  
A - top

Secondary beam  
B - top



Main beam

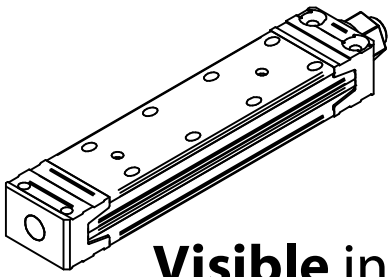
Secondary beam



MEGANT® 405x60x40  
(Art.No. K217)

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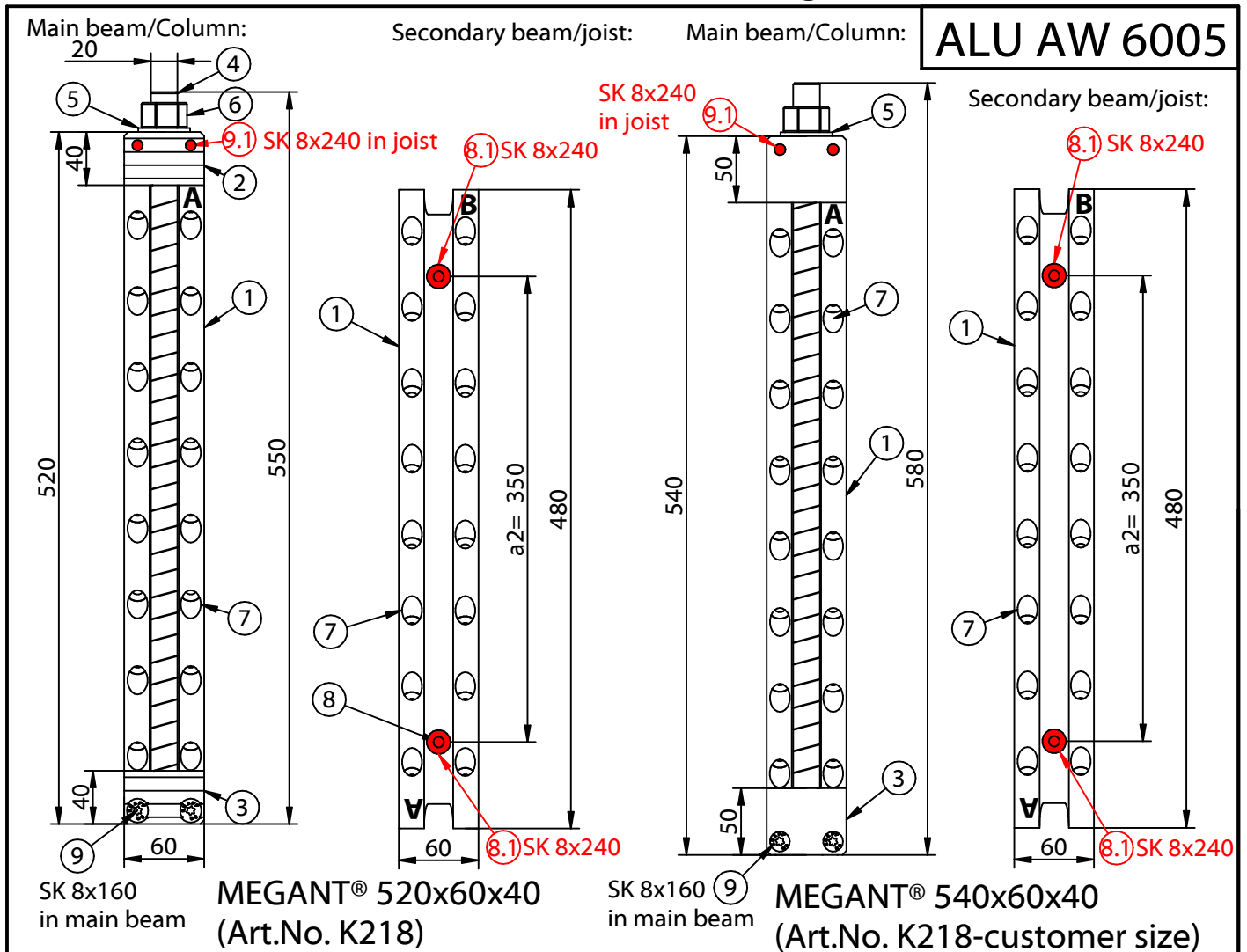
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# Mounting instructions MEGANT® 60

## Visible installation

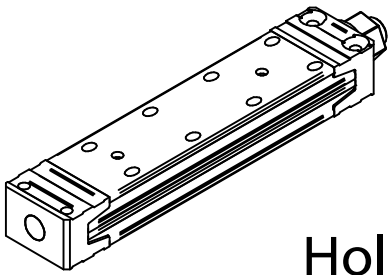
## Regular sizes overview



| Pos No. | Art. No.    | part description     | MEGANT® sizes (ALU AW 6005) |               |               |                  |
|---------|-------------|----------------------|-----------------------------|---------------|---------------|------------------|
|         |             |                      | 310x60x40                   | 405x60x40     | 520x60x40     | 540x60x40        |
|         |             |                      | Art. No. K242               | Art. No. K217 | Art. No. K218 | Art. No. K218 So |
| 1       | K200-K202   | connector plates     | 250x60x20                   | 365x60x20     | 480x60x20     | 480x60x20        |
| 2       | K207        | clamping jaws top    | 50x40x60; D20               | 40x40x60; D20 | 40x40x60; D20 | 50x40x60; D20    |
| 3       | K208        | clamping jaws bottom | 50x40x60; M20               | 40x40x60; M20 | 40x40x60; D20 | 50x40x60; D20    |
| 4       | Z924/Length | threaded rod         | 1xM20x340                   | 1xM20x435     | 1xM20x550     | 1xM20x580        |
| 5       | Z657        | washer               | 1xM20                       | 1xM20         | 1xM20         | 1xM20            |
| 6       | Z656        | nut                  | 1xM20                       | 1xM20         | 1xM20         | 1xM20            |
| 7       | Z581        | inclined screws      | 16x SK8x160                 | 24x SK8x160   | 32x SK8x160   | 32x SK8x160      |
| 8       | Z581        | horizontal screws    | 2x SK8x160                  | 2x SK8x160    | 2x SK8x160    | 2x SK8x160       |
| 8.1     | Z672        | horizontal screws    | 2x SK8x240                  | 2x SK8x240    | 2x SK8x240    | 2x SK8x240       |
| 9       | Z581        | screws clamping jaw  | 2x SK8x160                  | 2x SK8x160    | 2x SK8x160    | 2x SK8x160       |
| 9.1     | Z672        | screws clamping jaw  | 2x SK8x240                  | 2x SK8x240    | 2x SK8x240    | 2x SK8x240       |

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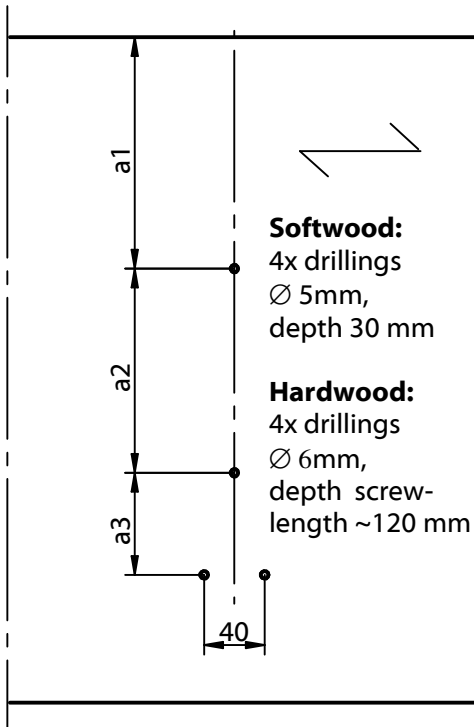
# Mounting instructions

# MEGANT® 60

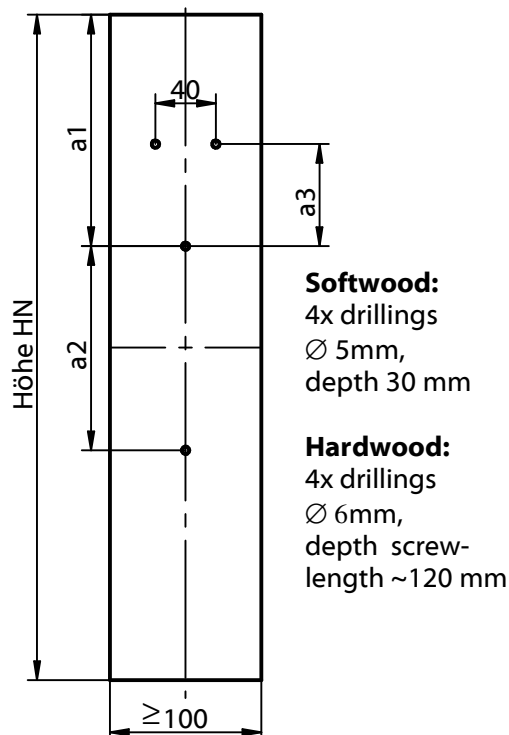
## Hole pattern for visible central installation

ALU AW 6005

### Pre-drill layout in main beam !



### Drilling positions for centered mounting in secondary beam !

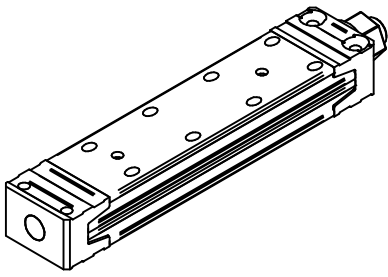


| Pre-drilling visible installation of connector |  |         |         |         |
|--|--|---------|---------|---------|
| Secondary beam                                 | Pre-drill spacing a1 with respect to secondary beam member height $H_N$ [mm] |         |         |         |
| Height   | MEGANT®  | MEGANT® | MEGANT® | MEGANT® |
| $H_N$ [mm]                                     | 310x60   | 405x60  | 520x60  | 540x60  |
| 400  | 133  |         |         |         |
| 440  | 153  |         |         |         |
| 480  | 173  |         |         |         |
| 520  | 193  | 135     |         |         |
| 560  | 213  | 155     |         |         |
| 600  | 233  | 175     |         |         |
| 640  |  | 195     | 145     | 145     |
| 680  |  | 215     | 165     | 165     |
| 700  |  | 225     | 175     | 175     |
| 720  |  | 235     | 185     | 185     |
| 760  |  | 255     | 205     | 205     |
| 800  |  | 275     | 225     | 225     |
| 840  |  |         | 245     | 245     |
| 880  |  |         | 265     | 265     |
| 920  |  |         | 285     | 285     |
| 960  |  |         | 305     | 305     |
| 1000   |  |         | 325     | 325     |

| Distance | MEGANT® | MEGANT® | MEGANT® | MEGANT® |
|----------|---------|---------|---------|---------|
|          | 310x60  | 405x60  | 520x60  | 540x60  |
| a2 [mm]  | 135     | 250     | 350     | 350     |
| a3 [mm]  | 78      | 68      | 75      | 85      |

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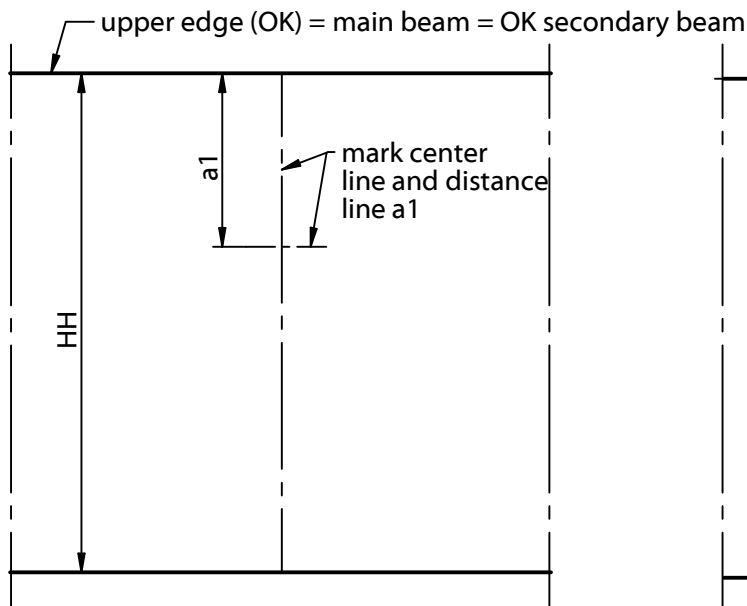
# Mounting instructions

# MEGANT® 60

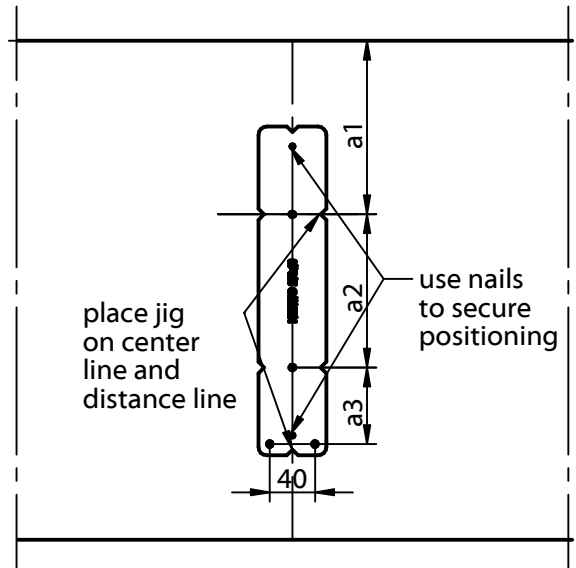
## Main beam pre-drilling with jig

ALU AW 6005

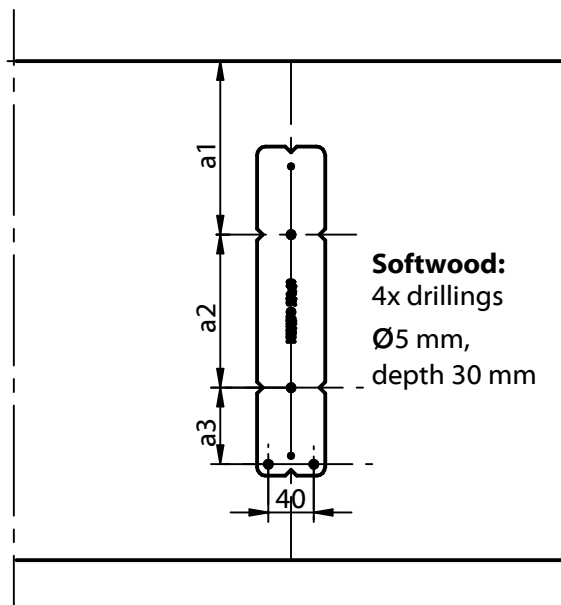
### 1.) Marking

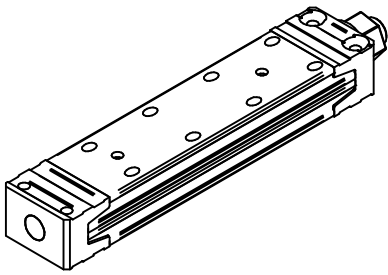


### 2.) Place jig



### 3.) Pre-drill



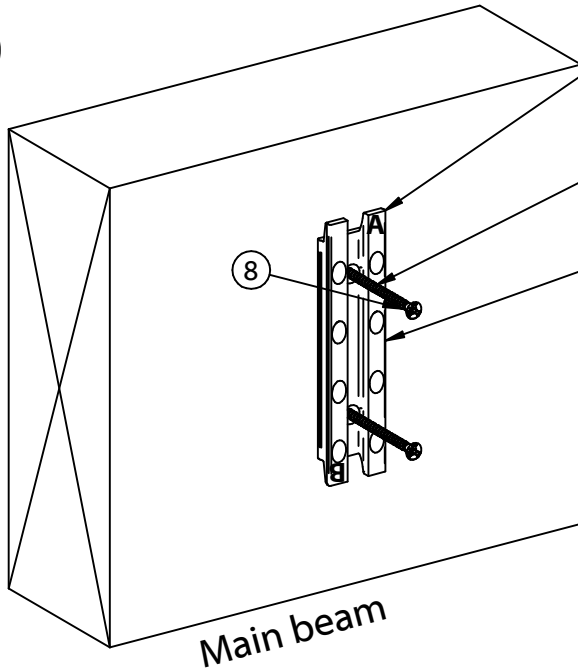


# Mounting instructions MEGANT® 60

Install MEGANT visibly on main beam

ALU AW 6005

1.)



Ⓐ plate marks up for main beam install

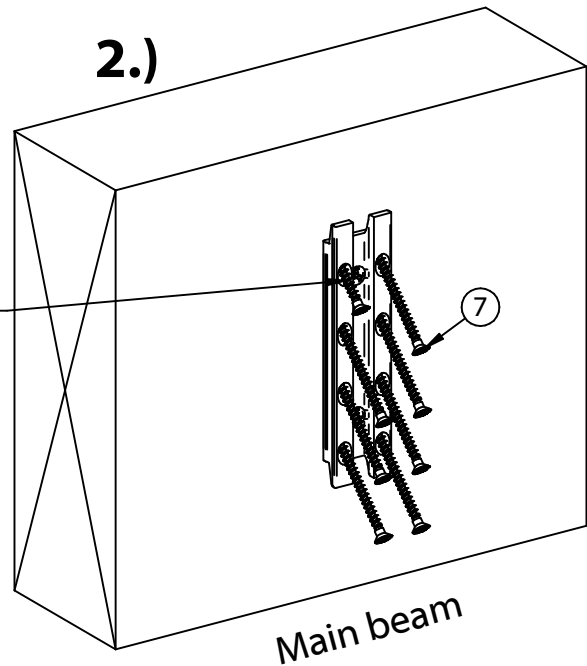
place horizontal screws Ⓒ

connector plate Ⓛ

Ⓒ

Main beam

2.)

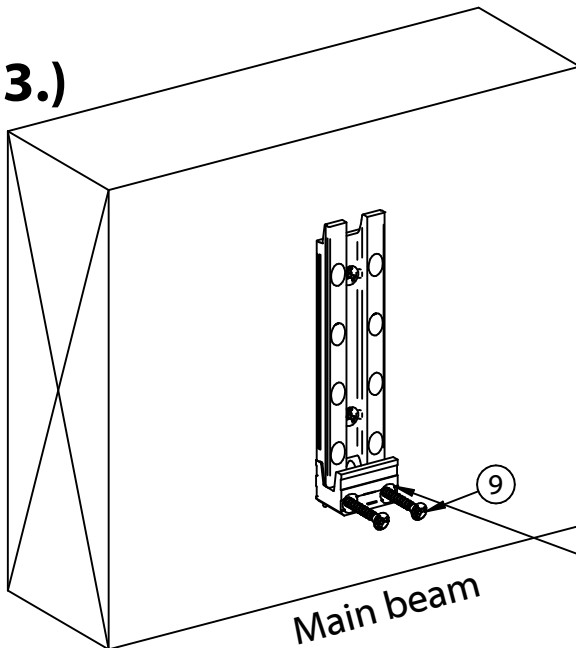


Inclined screws Ⓡ in connector plate Ⓜ.  
Start screwing from top down.  
Use max. 20Nm torque setting.  
Mount connector plate firmly

Ⓡ

Main beam

3.)

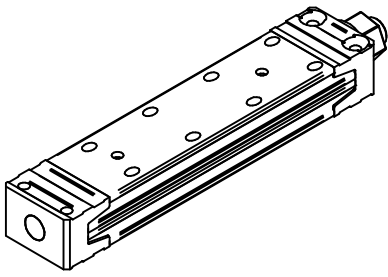


For **hardwood** main beam  
**SK 8x120** screws are usually used.

Clamping jaws Ⓜ mounted at bottom.  
Use clamping jaw screws Ⓣ for installation

Ⓣ

Main beam

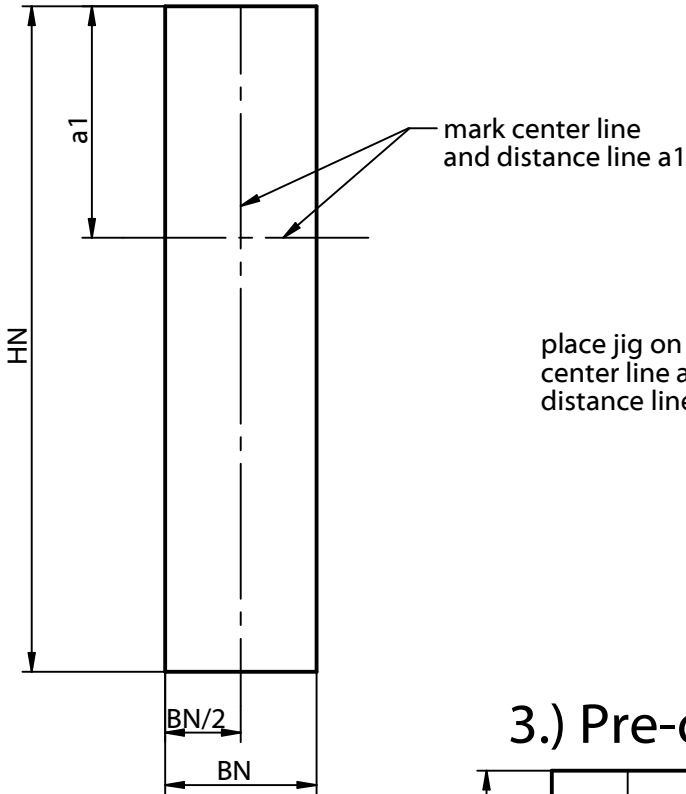


# Mounting instructions MEGANT® 60

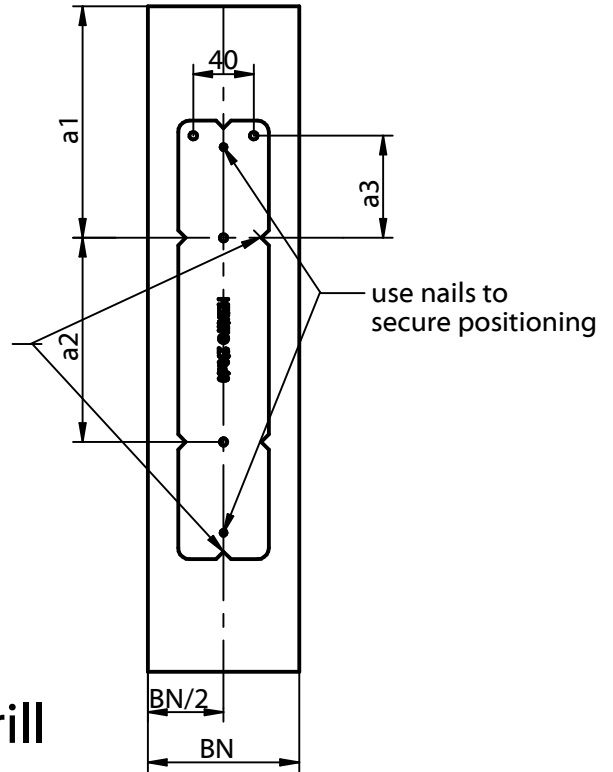
## Secondary beam pre-drilling with jig

ALU AW 6005

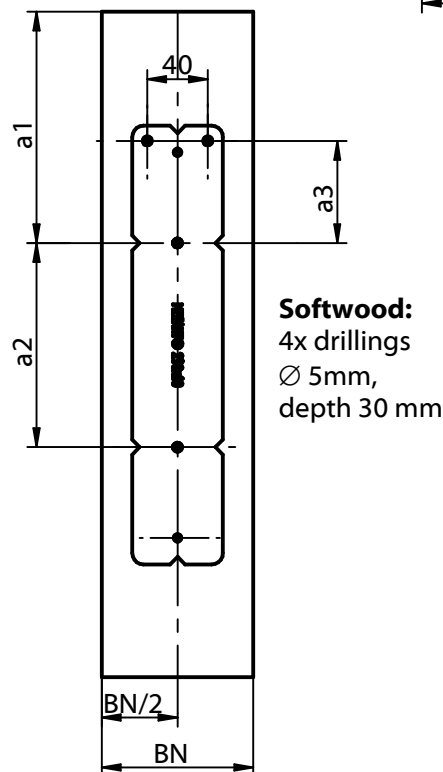
### 1.) Marking

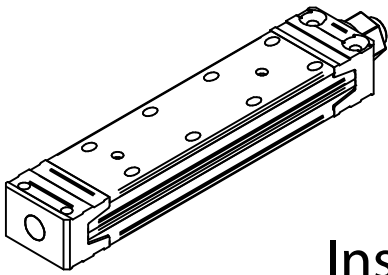


### 2.) Place jig



### 3.) Pre-drill





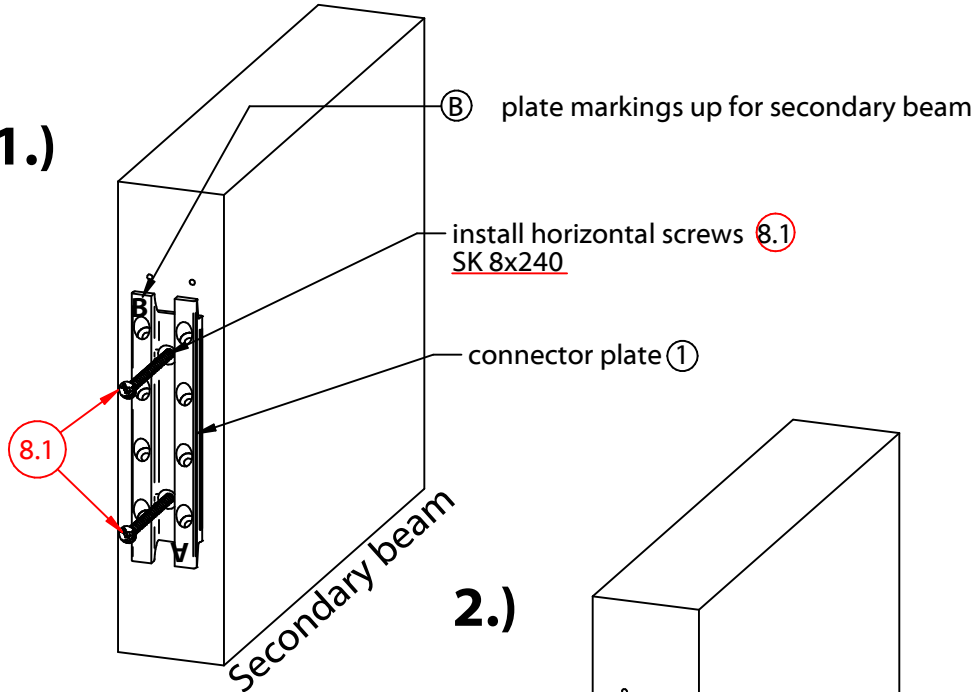
# Mounting instructions

# MEGANT® 60

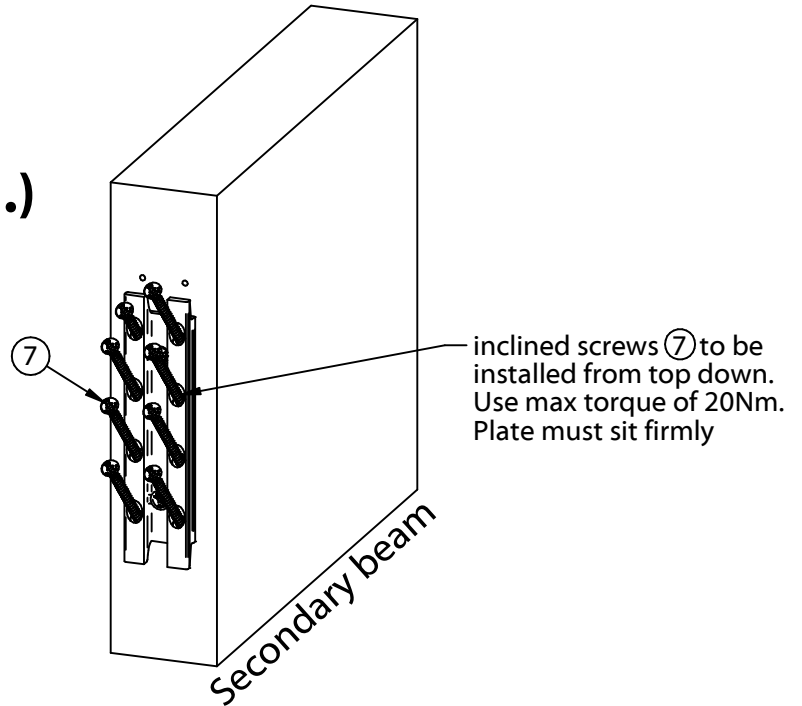
Install MEGANT **visibly** on secondary beam

ALU AW 6005

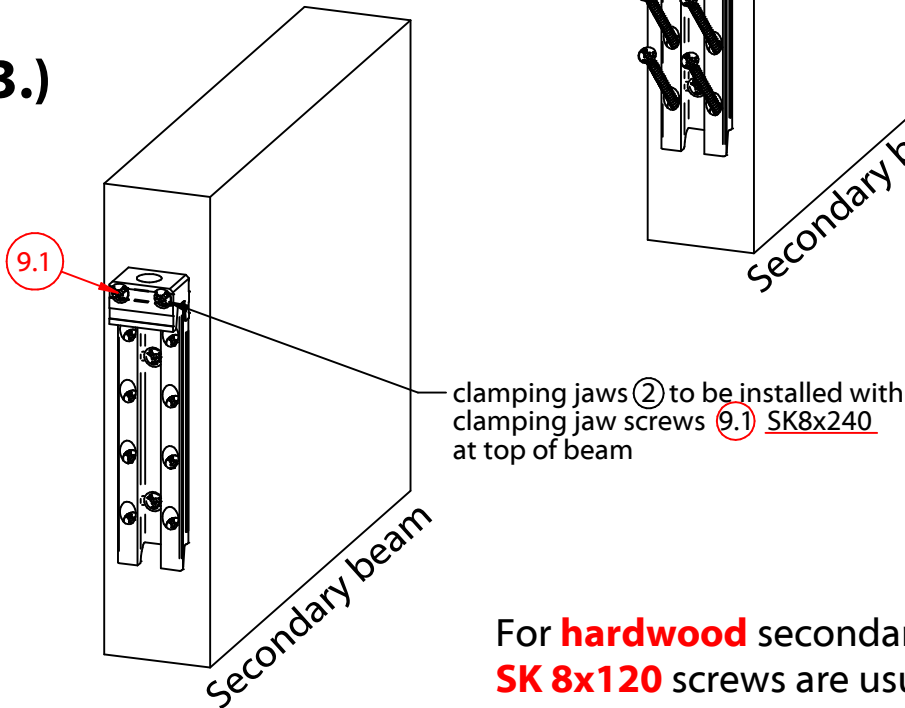
1.)



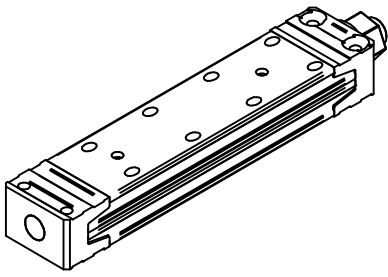
2.)



3.)



For **hardwood** secondary beam **SK 8x120** screws are usually used.



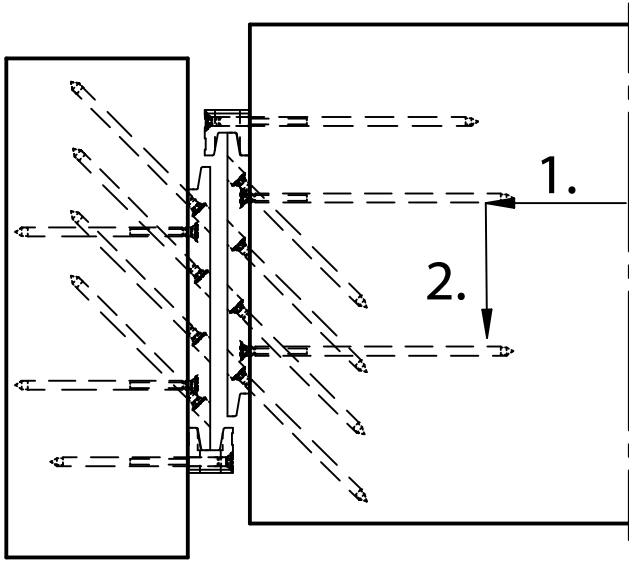
# Mounting instructions

# MEGANT® 60

## Visible installation

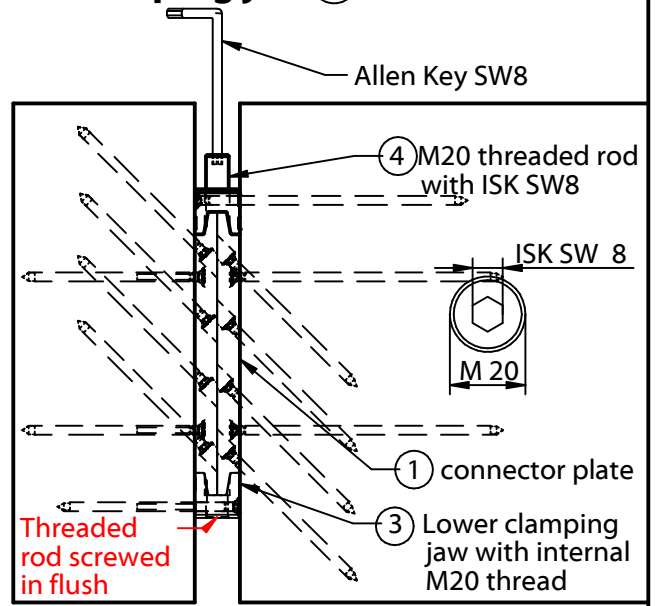
ALU AW 6005

### 1. Install secondary beam



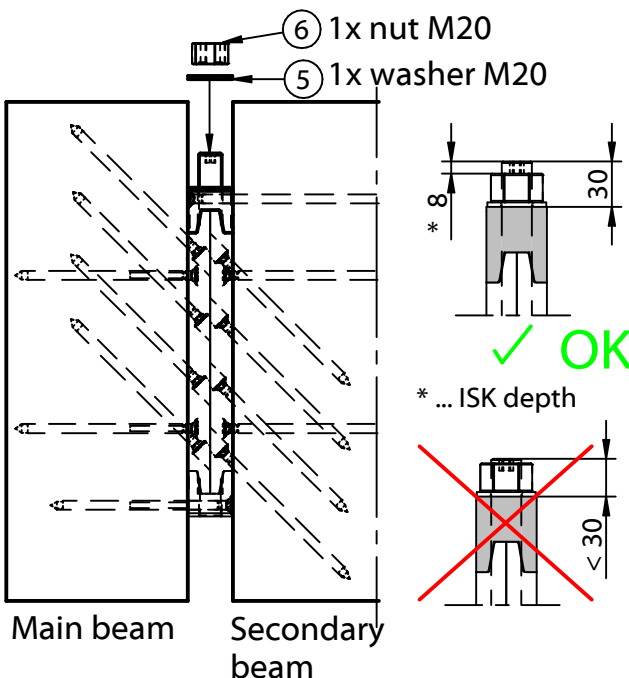
Main beam      Secondary beam

### 2. Install M20 threaded rod ④ in lower clamping jaw ③ flush



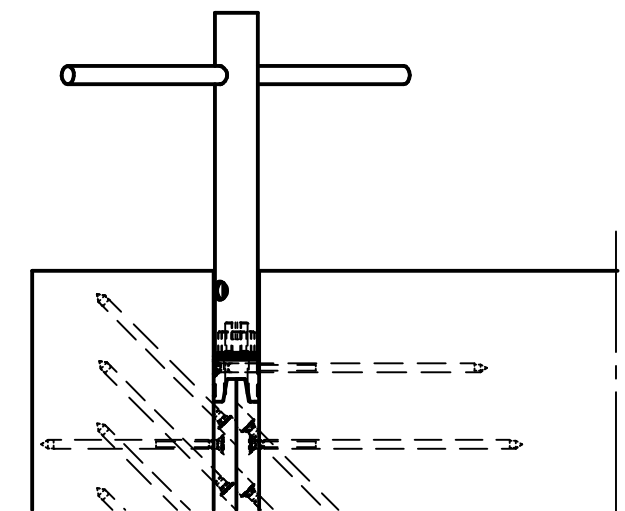
Main beam      Secondary beam

### 3. Install clamping jaw, washer and M20 nut



Main beam      Secondary beam

### 4. Tighten M20 nut with SW 30 wrench (40 Nm) !



Main beam      Secondary beam

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