

GSI 4

## Large joist hangers with internal flange

The large joist hangers can be used in several situations. They allow connection without any specific work on the timber.

### Features

#### Materiál

**Galvanized Steel S250GD + Z275 according to EN 10346**  
**Thickness 4 mm**

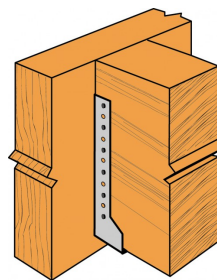
#### Vorteile

- Easy and quick installation
- 30min fire resistance
- Choice of widths according to the ranges indicated

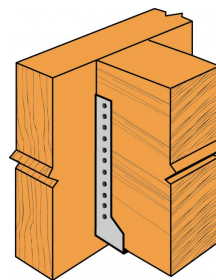
### Applications

#### Support

- **Header Member:** Solid timber, Composite timber, Glulam.
- **Joist:** Solid timber, Composite timber, Glulam.



*Clouage partiel sur bois.*



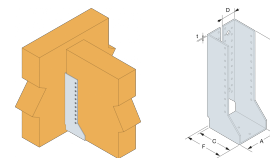
*Clouage total sur bois.*

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**Large joist hangers with internal flange**

## **Technical Data**

### GSI 4 Large joist hangers with internal flange



#### Rozměry a typické hodnoty

| Art. nr.      | Rozměry vedlejšího nosníku [mm] |            |      | Rozměry a typické hodnoty [mm] |     |     |      |     |   | Otvory hlavy |     | Otvory trámu |
|---------------|---------------------------------|------------|------|--------------------------------|-----|-----|------|-----|---|--------------|-----|--------------|
|               | Šířka                           | Výška [mm] |      | A                              | B   | C   | D    | F   | t | Ø5           | Ø13 | Ø5           |
|               |                                 | Výška [mm] | Max. |                                |     |     |      |     |   |              |     |              |
| GSI380/100/4  | 100                             | 150        | 210  | 100                            | 140 | 110 | 45.5 | 118 | 4 | 16           | 4   | 8            |
| GSI440/100/4  | 100                             | 180        | 255  | 100                            | 170 | 110 | 45.5 | 118 | 4 | 22           | 4   | 12           |
| GSI500/100/4  | 100                             | 210        | 300  | 100                            | 200 | 110 | 45.5 | 118 | 4 | 28           | 4   | 14           |
| GSI540/100/4  | 100                             | 230        | 330  | 100                            | 220 | 110 | 45.5 | 118 | 4 | 32           | 4   | 16           |
| GSI600/100/4  | 100                             | 260        | 375  | 100                            | 250 | 110 | 45.5 | 118 | 4 | 38           | 4   | 20           |
| GSI660/100/4  | 100                             | 290        | 420  | 100                            | 280 | 110 | 45.5 | 118 | 4 | 44           | 6   | 22           |
| GSI720/100/4  | 100                             | 320        | 465  | 100                            | 310 | 110 | 45.5 | 118 | 4 | 50           | 6   | 26           |
| GSI780/100/4  | 100                             | 350        | 510  | 100                            | 340 | 110 | 45.5 | 118 | 4 | 56           | 6   | 28           |
| GSI840/100/4  | 100                             | 380        | 555  | 100                            | 370 | 110 | 45.5 | 118 | 4 | 62           | 6   | 32           |
| GSI900/100/4  | 100                             | 410        | 600  | 100                            | 400 | 110 | 45.5 | 118 | 4 | 68           | 6   | 38           |
| GSI960/100/4  | 100                             | 440        | 645  | 100                            | 430 | 110 | 45.5 | 118 | 4 | 74           | 6   | 38           |
| GSI1020/100/4 | 100                             | 470        | 690  | 100                            | 460 | 110 | 45.5 | 118 | 4 | 80           | 6   | 40           |
| GSI540/120/4  | 120                             | 220        | 315  | 120                            | 210 | 110 | 45.5 | 118 | 4 | 32           | 4   | 16           |
| GSI600/120/4  | 120                             | 250        | 360  | 120                            | 240 | 110 | 45.5 | 118 | 4 | 38           | 4   | 20           |
| GSI660/120/4  | 120                             | 280        | 405  | 120                            | 270 | 110 | 45.5 | 118 | 4 | 44           | 6   | 22           |
| GSI720/120/4  | 120                             | 310        | 450  | 120                            | 300 | 110 | 45.5 | 118 | 4 | 50           | 6   | 26           |
| GSI780/120/4  | 120                             | 340        | 495  | 120                            | 330 | 110 | 45.5 | 118 | 4 | 56           | 6   | 28           |
| GSI840/120/4  | 120                             | 370        | 540  | 120                            | 360 | 110 | 45.5 | 118 | 4 | 62           | 6   | 32           |
| GSI900/120/4  | 120                             | 400        | 585  | 120                            | 390 | 110 | 45.5 | 118 | 4 | 68           | 6   | 38           |
| GSI960/120/4  | 120                             | 430        | 630  | 120                            | 420 | 110 | 45.5 | 118 | 4 | 74           | 6   | 38           |
| GSI1020/120/4 | 120                             | 460        | 675  | 120                            | 450 | 110 | 45.5 | 118 | 4 | 80           | 6   | 40           |
| GSI500/140/4  | 140                             | 190        | 270  | 140                            | 180 | 110 | 45.5 | 118 | 4 | 28           | 2   | 14           |
| GSI540/140/4  | 140                             | 210        | 300  | 140                            | 200 | 110 | 45.5 | 118 | 4 | 32           | 4   | 16           |
| GSI600/140/4  | 140                             | 240        | 345  | 140                            | 230 | 110 | 45.5 | 118 | 4 | 38           | 4   | 20           |
| GSI660/140/4  | 140                             | 270        | 390  | 140                            | 260 | 110 | 45.5 | 118 | 4 | 44           | 6   | 22           |
| GSI720/140/4  | 140                             | 300        | 435  | 140                            | 290 | 110 | 45.5 | 118 | 4 | 50           | 6   | 26           |
| GSI780/140/4  | 140                             | 330        | 480  | 140                            | 320 | 110 | 45.5 | 118 | 4 | 56           | 6   | 28           |
| GSI840/140/4  | 140                             | 360        | 525  | 140                            | 350 | 110 | 45.5 | 118 | 4 | 62           | 6   | 32           |
| GSI900/140/4  | 140                             | 390        | 570  | 140                            | 380 | 110 | 45.5 | 118 | 4 | 68           | 6   | 38           |
| GSI960/140/4  | 140                             | 420        | 615  | 140                            | 410 | 110 | 45.5 | 118 | 4 | 74           | 6   | 38           |
| GSI1020/140/4 | 140                             | 450        | 660  | 140                            | 440 | 110 | 45.5 | 118 | 4 | 80           | 6   | 40           |
| GSI500/160/4  | 160                             | 180        | 255  | 160                            | 170 | 110 | 45.5 | 118 | 4 | 28           | 2   | 14           |
| GSI540/160/4  | 160                             | 200        | 285  | 160                            | 190 | 110 | 45.5 | 118 | 4 | 32           | 4   | 16           |
| GSI600/160/4  | 160                             | 230        | 330  | 160                            | 220 | 110 | 45.5 | 118 | 4 | 38           | 4   | 20           |
| GSI660/160/4  | 160                             | 260        | 375  | 160                            | 250 | 110 | 45.5 | 118 | 4 | 44           | 6   | 22           |
| GSI720/160/4  | 160                             | 290        | 420  | 160                            | 280 | 110 | 45.5 | 118 | 4 | 50           | 6   | 26           |
| GSI780/160/4  | 160                             | 320        | 465  | 160                            | 310 | 110 | 45.5 | 118 | 4 | 56           | 6   | 28           |
| GSI840/160/4  | 160                             | 350        | 510  | 160                            | 340 | 110 | 45.5 | 118 | 4 | 62           | 6   | 32           |
| GSI900/160/4  | 160                             | 380        | 555  | 160                            | 370 | 110 | 45.5 | 118 | 4 | 68           | 6   | 38           |
| GSI960/160/4  | 160                             | 410        | 600  | 160                            | 400 | 110 | 45.5 | 118 | 4 | 74           | 6   | 38           |
| GSI1020/160/4 | 160                             | 440        | 645  | 160                            | 430 | 110 | 45.5 | 118 | 4 | 80           | 6   | 40           |
| GSI500/180/4  | 180                             | 170        | 240  | 180                            | 160 | 110 | 45.5 | 118 | 4 | 28           | 2   | 14           |
| GSI540/180/4  | 180                             | 190        | 270  | 180                            | 180 | 110 | 45.5 | 118 | 4 | 32           | 4   | 16           |

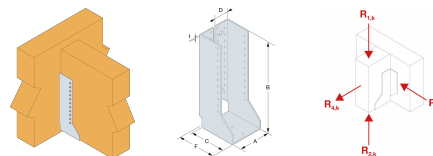
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Large joist hangers with internal flange

| Art. nr.      | Rozměry vedlejšího nosníku [mm] |            |      | Rozměry a typické hodnoty [mm] |     |     |      |     |   | Otvory hlavy |     | Otvory trámu |
|---------------|---------------------------------|------------|------|--------------------------------|-----|-----|------|-----|---|--------------|-----|--------------|
|               | Šířka                           | Výška [mm] |      | A                              | B   | C   | D    | F   | t | Ø5           | Ø13 | Ø5           |
|               |                                 | Výška [mm] | Max. |                                |     |     |      |     |   |              |     |              |
| GSI600/180/4  | 180                             | 220        | 315  | 180                            | 210 | 110 | 45.5 | 118 | 4 | 38           | 4   | 20           |
| GSI660/180/4  | 180                             | 250        | 360  | 180                            | 240 | 110 | 45.5 | 118 | 4 | 44           | 6   | 22           |
| GSI720/180/4  | 180                             | 280        | 405  | 180                            | 270 | 110 | 45.5 | 118 | 4 | 50           | 6   | 26           |
| GSI780/180/4  | 180                             | 310        | 450  | 180                            | 300 | 110 | 45.5 | 118 | 4 | 56           | 6   | 28           |
| GSI840/180/4  | 180                             | 340        | 495  | 180                            | 330 | 110 | 45.5 | 118 | 4 | 62           | 6   | 32           |
| GSI900/180/4  | 180                             | 370        | 540  | 180                            | 360 | 110 | 45.5 | 118 | 4 | 68           | 6   | 38           |
| GSI960/180/4  | 180                             | 400        | 585  | 180                            | 390 | 110 | 45.5 | 118 | 4 | 74           | 6   | 38           |
| GSI1020/180/4 | 180                             | 430        | 630  | 180                            | 420 | 110 | 45.5 | 118 | 4 | 80           | 6   | 40           |
| GSI500/200/4  | 200                             | 160        | 225  | 200                            | 150 | 110 | 45.5 | 118 | 4 | 28           | 2   | 14           |
| GSI540/200/4  | 200                             | 180        | 255  | 200                            | 170 | 110 | 45.5 | 118 | 4 | 32           | 4   | 16           |
| GSI600/200/4  | 200                             | 210        | 300  | 200                            | 200 | 110 | 45.5 | 118 | 4 | 38           | 4   | 20           |
| GSI660/200/4  | 200                             | 240        | 345  | 200                            | 230 | 110 | 45.5 | 118 | 4 | 44           | 6   | 22           |
| GSI720/200/4  | 200                             | 270        | 390  | 200                            | 260 | 110 | 45.5 | 118 | 4 | 50           | 6   | 26           |
| GSI780/200/4  | 200                             | 300        | 435  | 200                            | 290 | 110 | 45.5 | 118 | 4 | 56           | 6   | 28           |
| GSI840/200/4  | 200                             | 330        | 480  | 200                            | 320 | 110 | 45.5 | 118 | 4 | 62           | 6   | 32           |
| GSI900/200/4  | 200                             | 360        | 525  | 200                            | 350 | 110 | 45.5 | 118 | 4 | 68           | 6   | 38           |
| GSI960/200/4  | 200                             | 390        | 570  | 200                            | 380 | 110 | 45.5 | 118 | 4 | 74           | 6   | 38           |
| GSI1020/200/4 | 200                             | 420        | 615  | 200                            | 410 | 110 | 45.5 | 118 | 4 | 80           | 6   | 40           |

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Large joist hangers with internal flange



Charakteristické nosnosti - Dřevěný trám na dřevěný trám  
- plné hřebování

Charakteristické kapacity - Dřevo na dřevo - úplné upevnění hřeby

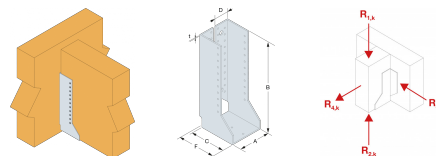
| Art. nr.      | Upevňovací prvky |          | Charakteristické kapacity - dřevo C24 [kN] |                  |                  |                  |                                  |
|---------------|------------------|----------|--|------------------|------------------|------------------|----------------------------------|
|               | Hlava            | Trám     | R <sub>1,k</sub>                           | R <sub>2,k</sub> | R <sub>3,k</sub> | R <sub>4,k</sub> | Fire resistance R <sub>1,k</sub> |
|               | Množství         | Množství | CNA4,0x50                                  | CNA4,0x50        | CNA4,0x50        | CNA4,0x50        | CNA4,0x75                        |
|               |                  |          |  |                  |                  |                  |                                  |
| GSI380/100/4  | 16               | 8        | 15.4                                       | 6.9              | 6.6              | 7.8              | 1,0*                             |
| GSI440/100/4  | 22               | 12       | 22.3                                       | 11.9             | 9.6              | 11.8             | 2,5*                             |
| GSI500/100/4  | 28               | 14       | 30.5                                       | 18.1             | 10.7             | 13.7             | 3,5*                             |
| GSI540/100/4  | 32               | 16       | 35.9                                       | 22.7             | 11.8             | 15.7             | 4,7*                             |
| GSI600/100/4  | 38               | 20       | 43.9                                       | 30.5             | 14               | 19.6             | 7,3*                             |
| GSI660/100/4  | 44               | 22       | 47.9                                       | 39               | 14.6             | 21.6             | 8,6*                             |
| GSI720/100/4  | 50               | 26       | 55.8                                       | 46.1             | 16.3             | 25.5             | 11,4*                            |
| GSI780/100/4  | 56               | 28       | 59.8                                       | 49.6             | 16.6             | 27.4             | 12,8*                            |
| GSI840/100/4  | 62               | 32       | 67.8                                       | 56.7             | 17.9             | 31.4             | 15,4*                            |
| GSI900/100/4  | 68               | 36       | 75.8                                       | 63.8             | 19               | 33.3             | 18,0*                            |
| GSI960/100/4  | 74               | 38       | 79.8                                       | 67.4             | 19               | 37.2             | 19,3*                            |
| GSI1020/100/4 | 80               | 40       | 83.8                                       | 70.9             | 18.9             | 39.2             | 20,6*                            |
| GSI540/120/4  | 32               | 16       | 34   | 22.7             | 12.7             | 15.7             | 4,7*                             |
| GSI600/120/4  | 38               | 20       | 43.1                                       | 30.5             | 15.2             | 19.6             | 7,3*                             |
| GSI660/120/4  | 44               | 22       | 47.9                                       | 39               | 16               | 21.6             | 8,6*                             |
| GSI720/120/4  | 50               | 26       | 55.8                                       | 46.1             | 18               | 25.5             | 11,4*                            |
| GSI780/120/4  | 56               | 28       | 59.8                                       | 49.6             | 18.5             | 27.4             | 12,8*                            |
| GSI840/120/4  | 62               | 32       | 67.8                                       | 56.7             | 20.1             | 31.4             | 15,4*                            |
| GSI900/120/4  | 68               | 36       | 75.8                                       | 63.8             | 21.5             | 33.3             | 18,0*                            |
| GSI960/120/4  | 74               | 38       | 79.8                                       | 67.4             | 21.6             | 37.2             | 19,3*                            |
| GSI1020/120/4 | 80               | 40       | 83.8                                       | 70.9             | 21.6             | 39.2             | 20,6*                            |
| GSI500/140/4  | 22               | 12       | 24.1                                       | 11.9             | 10.5             | 11.8             | 2,5*                             |
| GSI540/140/4  | 26               | 14       | 29.5                                       | 15.9             | 12               | 11.8             | 3,5*                             |
| GSI600/140/4  | 32               | 18       | 38.2                                       | 22.7             | 15               | 15.7             | 5,9*                             |
| GSI660/140/4  | 38               | 20       | 43.9                                       | 30.5             | 16.1             | 19.6             | 7,3*                             |
| GSI720/140/4  | 44               | 24       | 51.9                                       | 39               | 18.6             | 23.5             | 10,0*                            |
| GSI780/140/4  | 50               | 26       | 55.8                                       | 46.1             | 19.3             | 25.5             | 11,4*                            |
| GSI840/140/4  | 56               | 30       | 63.8                                       | 53.2             | 21.4             | 29.4             | 14,1*                            |
| GSI900/140/4  | 62               | 32       | 67.8                                       | 56.7             | 21.8             | 31.4             | 15,4*                            |
| GSI960/140/4  | 68               | 34       | 71.8                                       | 60.3             | 22.2             | 33.3             | 16,8*                            |
| GSI1020/140/4 | 74               | 38       | 79.8                                       | 67.4             | 23.8             | 37.2             | 19,3*                            |
| GSI500/160/4  | 22               | 12       | 22.3                                       | 11.9             | 10.7             | 11.8             | 2,5*                             |
| GSI540/160/4  | 26               | 14       | 27.6                                       | 15.9             | 12.3             | 11.8             | 3,5*                             |
| GSI600/160/4  | 32               | 18       | 36.1                                       | 22.7             | 15.5             | 15.7             | 5,9*                             |
| GSI660/160/4  | 44               | 24       | 51.9                                       | 39               | 20.1             | 19.6             | 7,3*                             |
| GSI720/160/4  | 44               | 24       | 51.9                                       | 39               | 19.5             | 23.5             | 10,0*                            |
| GSI780/160/4  | 50               | 26       | 55.8                                       | 46.1             | 20.4             | 25.5             | 11,4*                            |
| GSI840/160/4  | 56               | 30       | 63.8                                       | 53.2             | 22.7             | 29.4             | 14,1*                            |
| GSI900/160/4  | 62               | 32       | 67.8                                       | 56.7             | 23.3             | 31.4             | 15,4*                            |
| GSI960/160/4  | 68               | 34       | 71.8                                       | 60.3             | 23.8             | 33.3             | 16,8*                            |
| GSI1020/160/4 | 74               | 38       | 79.8                                       | 67.4             | 25.6             | 37.2             | 19,3*                            |
| GSI500/180/4  | 22               | 12       | 20.3                                       | 11.9             | 10.9             | 11.8             | 2,5*                             |
| GSI540/180/4  | 26               | 14       | 25.4                                       | 15.9             | 12.6             | 11.8             | 3,5*                             |

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Large joist hangers with internal flange

| Art. nr.      | Charakteristické kapacity - Dřevo na dřevo - úplné upevnění hřebíky |          |  |                  |                  |                  |                                  |
|---------------|---|----------|--|------------------|------------------|------------------|----------------------------------|
|               | Upevňovací prvky  |          | Charakteristické kapacity - dřevo C24 [kN] |                  |                  |                  |                                  |
|               | Hlava   | Trám     | R <sub>1,k</sub>                           | R <sub>2,k</sub> | R <sub>3,k</sub> | R <sub>4,k</sub> | Fire resistance R <sub>1,k</sub> |
|               | Množství  | Množství | CNA4,0x50                                  | CNA4,0x50        | CNA4,0x50        | CNA4,0x50        | CNA4,0x75                        |
| GSI600/180/4  | 32  | 18       | 33.8                                       | 22.7             | 15.9             | 15.7             | 5,9*                             |
| GSI660/180/4  | 44  | 24       | 51.9                                       | 39               | 20.7             | 19.6             | 7,3*                             |
| GSI720/180/4  | 44  | 24       | 51.9                                       | 39               | 20.1             | 23.5             | 10,0*                            |
| GSI780/180/4  | 50  | 26       | 55.8                                       | 46.1             | 21.2             | 25.5             | 11,4*                            |
| GSI840/180/4  | 56  | 30       | 63.8                                       | 53.2             | 23.7             | 29.4             | 14,1*                            |
| GSI900/180/4  | 62  | 32       | 67.8                                       | 56.7             | 24.5             | 31.4             | 15,4*                            |
| GSI960/180/4  | 68  | 34       | 71.8                                       | 60.3             | 25.1             | 33.3             | 16,8*                            |
| GSI1020/180/4 | 74  | 38       | 79.8                                       | 67.4             | 27.2             | 37.2             | 19,3*                            |
| GSI500/200/4  | 22  | 12       | 18.3                                       | 11.9             | 11.1             | 11.8             | 2,5*                             |
| GSI540/200/4  | 26  | 14       | 23.2                                       | 15.9             | 12.8             | 11.8             | 3,5*                             |
| GSI600/200/4  | 32  | 18       | 31.3                                       | 22.7             | 16.2             | 15.7             | 5,9*                             |
| GSI660/200/4  | 44  | 24       | 50.3                                       | 39               | 21.1             | 19.6             | 7,3*                             |
| GSI720/200/4  | 44  | 24       | 50.3                                       | 39               | 20.7             | 23.5             | 10,0*                            |
| GSI780/200/4  | 50  | 26       | 55.8                                       | 46.1             | 21.8             | 25.5             | 11,4*                            |
| GSI840/200/4  | 56  | 30       | 63.8                                       | 53.2             | 24.5             | 29.4             | 14,1*                            |
| GSI900/200/4  | 62  | 32       | 67.8                                       | 56.7             | 25.4             | 31.4             | 15,4*                            |
| GSI960/200/4  | 68  | 34       | 71.8                                       | 60.3             | 26.2             | 33.3             | 16,8*                            |
| GSI1020/200/4 | 74  | 38       | 79.8                                       | 67.4             | 28.5             | 37.2             | 19,3*                            |

### GSI 4 Large joist hangers with internal flange



Nosnosti - dřevo na dřevo - dílčí hřebování

Characteristic capacities - Timber to timber - Partial nailing

| Art. nr.      | Upevňovací prvky |          | Charakteristické kapacity - dřevo C24 [kN] |                  |                  |                  |
|---------------|------------------|----------|--|------------------|------------------|------------------|
|               | Hlava            | Trám     | R <sub>1,k</sub>                           | R <sub>2,k</sub> | R <sub>3,k</sub> | R <sub>4,k</sub> |
|               | Množství         | Množství | CNA4,0x50                                  | CNA4,0x50        | CNA4,0x50        | CNA4,0x50        |
|               |                  |          |  |                  |                  |                  |
| GSI380/100/4  | 8                | 4        | 9.2  | 3.3              | 3.3              | 3.9              |
| GSI440/100/4  | 12               | 6        | 13.3                                       | 6.7              | 4.8              | 5.9              |
| GSI500/100/4  | 14               | 8        | 16.8                                       | 8.8              | 6.1              | 6.9              |
| GSI540/100/4  | 16               | 8        | 19.9                                       | 11.1             | 5.9              | 7.8              |
| GSI600/100/4  | 20               | 10       | 23.9                                       | 16.3             | 7                | 9.8              |
| GSI660/100/4  | 22               | 12       | 27.9                                       | 19.2             | 8                | 10.8             |
| GSI720/100/4  | 26               | 14       | 31.9                                       | 24.8             | 8.8              | 12.7             |
| GSI780/100/4  | 28               | 14       | 31.9                                       | 24.8             | 8.3              | 13.7             |
| GSI840/100/4  | 32               | 16       | 35.9                                       | 28.4             | 8.9              | 15.7             |
| GSI900/100/4  | 34               | 18       | 39.9                                       | 31.9             | 9.5              | 16.7             |
| GSI960/100/4  | 38               | 20       | 43.9                                       | 35.5             | 10               | 18.6             |
| GSI1020/100/4 | 40               | 20       | 43.9                                       | 35.5             | 9.5              | 19.6             |
| GSI540/120/4  | 16               | 8        | 19   | 11.1             | 6.3              | 7.8              |
| GSI600/120/4  | 20               | 10       | 23.9                                       | 16.3             | 7.6              | 9.8              |
| GSI660/120/4  | 22               | 12       | 27.9                                       | 19.2             | 8.7              | 10.8             |
| GSI720/120/4  | 26               | 14       | 31.9                                       | 24.8             | 9.7              | 12.7             |
| GSI780/120/4  | 28               | 14       | 31.9                                       | 24.8             | 9.2              | 13.7             |
| GSI840/120/4  | 32               | 16       | 35.9                                       | 28.4             | 10               | 15.7             |
| GSI900/120/4  | 34               | 18       | 39.9                                       | 31.9             | 10.7             | 16.7             |
| GSI960/120/4  | 38               | 20       | 43.9                                       | 35.5             | 11.4             | 18.6             |
| GSI1020/120/4 | 40               | 20       | 43.9                                       | 35.5             | 10.8             | 19.6             |
| GSI500/140/4  | 12               | 6        | 14.3                                       | 6.7              | 5.2              | 5.9              |
| GSI540/140/4  | 14               | 8        | 16.8                                       | 8.8              | 6.9              | 6.9              |
| GSI600/140/4  | 18               | 10       | 21.8                                       | 13.6             | 8.3              | 8.8              |
| GSI660/140/4  | 20               | 10       | 23.9                                       | 16.3             | 8                | 9.8              |
| GSI720/140/4  | 24               | 12       | 27.9                                       | 21.3             | 9.3              | 11.8             |
| GSI780/140/4  | 26               | 14       | 31.9                                       | 24.8             | 10.4             | 12.7             |
| GSI840/140/4  | 30               | 16       | 35.9                                       | 28.4             | 11.4             | 14.7             |
| GSI900/140/4  | 32               | 16       | 35.9                                       | 28.4             | 10.9             | 15.7             |
| GSI960/140/4  | 34               | 18       | 39.9                                       | 31.9             | 11.8             | 16.7             |
| GSI1020/140/4 | 38               | 20       | 43.9                                       | 35.5             | 12.5             | 18.6             |
| GSI500/160/4  | 12               | 6        | 13.3                                       | 6.7              | 5.4              | 5.9              |
| GSI540/160/4  | 14               | 8        | 15.8                                       | 8.8              | 7.1              | 6.9              |
| GSI600/160/4  | 20               | 10       | 23.9                                       | 16.3             | 8.6              | 8.8              |
| GSI660/160/4  | 20               | 10       | 23.9                                       | 16.3             | 8.4              | 9.8              |
| GSI720/160/4  | 24               | 12       | 27.9                                       | 21.3             | 9.7              | 11.8             |
| GSI780/160/4  | 26               | 14       | 31.9                                       | 24.8             | 11               | 12.7             |
| GSI840/160/4  | 30               | 16       | 35.9                                       | 28.4             | 12.1             | 14.7             |
| GSI900/160/4  | 32               | 16       | 35.9                                       | 28.4             | 11.7             | 15.7             |

Values given in the table above are valid for a joist to joist and joist to column application, subject to respecting the partial nailing plans specific to each configuration given in our ETA-06/0270 page 17.

## GSI 4 Large joist hangers with internal flange

| Art. nr.      | Characteristic capacities - Timber to timber - Partial nailing |          |  |                  |                  |                  |
|---------------|--|----------|--|------------------|------------------|------------------|
|               | Upevňovací prvky   |          | Charakteristické kapacity - dřevo C24 [kN] |                  |                  |                  |
|               | Hlava  | Trám     | R <sub>1,k</sub>                           | R <sub>2,k</sub> | R <sub>3,k</sub> | R <sub>4,k</sub> |
|               | Množství   | Množství | CNA4,0x50                                  | CNA4,0x50        | CNA4,0x50        | CNA4,0x50        |
| GSI960/160/4  | 34   | 18       | 39.9                                       | 31.9             | 12.6             | 16.7             |
| GSI1020/160/4 | 38   | 20       | 43.9                                       | 35.5             | 13.5             | 18.6             |
| GSI500/180/4  | 12   | 6        | 12.2                                       | 6.7              | 5.5              | 5.9              |
| GSI540/180/4  | 14   | 8        | 14.7                                       | 8.8              | 7.2              | 6.9              |
| GSI600/180/4  | 20   | 10       | 23.9                                       | 16.3             | 8.8              | 8.8              |
| GSI660/180/4  | 20   | 10       | 23.9                                       | 16.3             | 8.6              | 9.8              |
| GSI720/180/4  | 24   | 12       | 27.9                                       | 21.3             | 10.1             | 11.8             |
| GSI780/180/4  | 26   | 14       | 31.9                                       | 24.8             | 11.4             | 12.7             |
| GSI840/180/4  | 30   | 16       | 35.9                                       | 28.4             | 12.6             | 14.7             |
| GSI900/180/4  | 32   | 16       | 35.9                                       | 28.4             | 12.2             | 15.7             |
| GSI960/180/4  | 34   | 18       | 39.9                                       | 31.9             | 13.3             | 16.7             |
| GSI1020/180/4 | 38   | 20       | 43.9                                       | 35.5             | 14.3             | 18.6             |
| GSI500/200/4  | 12   | 6        | 11.1                                       | 6.7              | 5.5              | 5.9              |
| GSI540/200/4  | 14   | 8        | 13.5                                       | 8.8              | 7.3              | 6.9              |
| GSI600/200/4  | 20   | 10       | 22.7                                       | 16.3             | 9                | 8.8              |
| GSI660/200/4  | 20   | 10       | 22.7                                       | 16.3             | 8.8              | 9.8              |
| GSI720/200/4  | 24   | 12       | 27.9                                       | 21.3             | 10.3             | 11.8             |
| GSI780/200/4  | 26   | 14       | 31.9                                       | 24.8             | 11.8             | 12.7             |
| GSI840/200/4  | 30   | 16       | 35.9                                       | 28.4             | 13.1             | 14.7             |
| GSI900/200/4  | 32   | 16       | 35.9                                       | 28.4             | 12.7             | 15.7             |
| GSI960/200/4  | 34   | 18       | 39.9                                       | 31.9             | 13.9             | 16.7             |
| GSI1020/200/4 | 38   | 20       | 43.9                                       | 35.5             | 15               | 18.6             |

*Values given in the table above are valid for a joist to joist and joist to column application, subject to respecting the partial nailing plans specific to each configuration given in our ETA-06/0270 page 17.*

Product characteristic capacities under fire conditions - Timber to timber with SSH

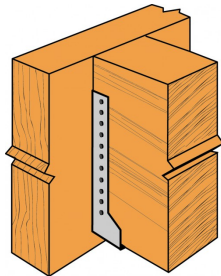
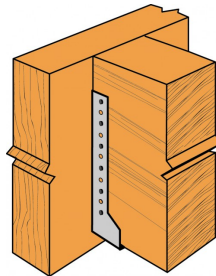
Table "Product characteristic capacities under fire conditions - Timber to timber with SSH" cannot be displayed : no references available.



GSI 4

**Large joist hangers with internal flange**

## Installation

*Clouage total sur bois.**Clouage partiel sur bois.*

GSI 4

**Large joist hangers with internal flange**