



The JHM and JHMI range of joist hangers can be used to connect solid sawn joists, trusses and engineered joists to masonry walls or steel beams.

[UK-DoP-h06/0002](#)

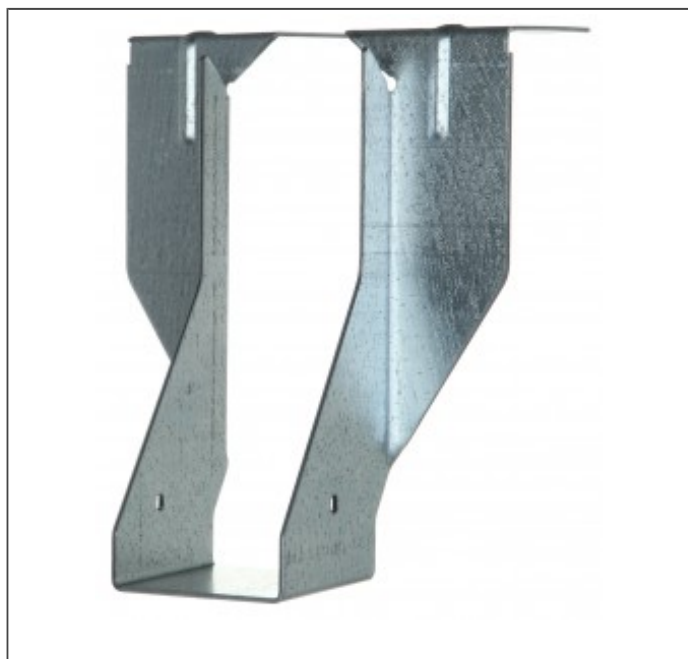
## FEATURES

### Material

- Pre-galvanised mild steel

### Benefits

- Built-in inspection slot at the base of the hanger to aid inspection from the ground
- Top flange provides widest area in contact with masonry support allowing superior performance.
- Embossments on JHM stiffen top flange and holes allow improved mortar keying.
- JHM side flange on deeper hangers is much higher than traditional style, providing greatly enhanced resistance to joist rotation.



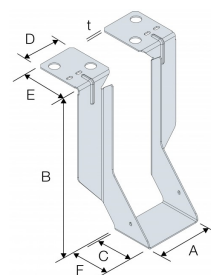
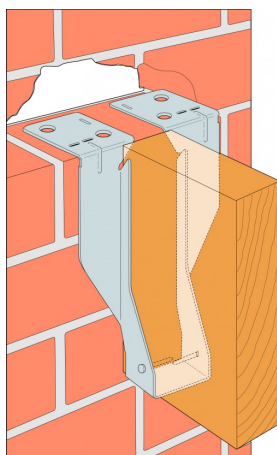
## TECHNICAL DATA

### JHM Enhanced Uplift

| Model | Size Range |           | Joist Fasteners |               | Characteristic Capacity (kN)<br>Uplift |
|-------|------------|-----------|-----------------|---------------|----------------------------------------|
|       | Width      | Height    | Qty             | Specification |                                        |
| JHM   | 38 - 47    | 100 - 300 | 6               | 3.75 x 30mm   | 3.16                                   |
| JHM   | 50 - 150   | 100 - 300 | 6               | 3.75 x 30mm   | 3.73                                   |

1) 3.75 x 30mm refers to 3.75 x 30mm Square Twist nails.

## Product Dimensions



| References | Joist dimensions [mm] |        | Hanger Dimensions [mm] |     |    |    |    |    |   | Joist holes |
|------------|-----------------------|--------|------------------------|-----|----|----|----|----|---|-------------|
|            | Width                 | Height | A                      | B   | C  | D  | E  | F  | t |             |
| JHM100/38  | 35                    | 100    | 38                     | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/38  | 35                    | 125    | 38                     | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/38  | 35                    | 150    | 38                     | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/38  | 35                    | 175    | 38                     | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/38  | 35                    | 200    | 38                     | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/38  | 35                    | 225    | 38                     | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/38  | 35                    | 250    | 38                     | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/38  | 35                    | 300    | 38                     | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/44  | 44                    | 100    | 44                     | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/44  | 44                    | 125    | 44                     | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/44  | 44                    | 150    | 44                     | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/44  | 44                    | 175    | 44                     | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/44  | 44                    | 200    | 44                     | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/44  | 44                    | 225    | 44                     | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/44  | 44                    | 250    | 44                     | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/44  | 44                    | 300    | 44                     | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/47  | 47                    | 100    | 47                     | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/47  | 47                    | 125    | 47                     | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/47  | 47                    | 150    | 47                     | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/47  | 47                    | 175    | 47                     | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/47  | 47                    | 200    | 47                     | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/47  | 47                    | 225    | 47                     | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/47  | 47                    | 250    | 47                     | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/47  | 47                    | 300    | 47                     | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/50  | 50                    | 100    | 50                     | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/50  | 50                    | 125    | 50                     | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/50  | 50                    | 150    | 50                     | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/50  | 50                    | 175    | 50                     | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/50  | 50                    | 200    | 50                     | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/50  | 50                    | 225    | 50                     | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/50  | 50                    | 250    | 50                     | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/50  | 50                    | 300    | 50                     | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/63  | 63                    | 100    | 63                     | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/63  | 63                    | 125    | 63                     | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/63  | 63                    | 150    | 63                     | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/63  | 63                    | 175    | 63                     | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/63  | 63                    | 200    | 63                     | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/63  | 63                    | 225    | 63                     | 215 | 64 | 64 | 75 | 75 | 2 | 2           |

| References | Joist dimensions [mm] |        | Hanger Dimensions [mm] |     |    |    |    |    |   | Joist holes |
|------------|-----------------------|--------|------------------------|-----|----|----|----|----|---|-------------|
|            | Width                 | Height | A                      | B   | C  | D  | E  | F  | t |             |
| JHM250/63  | 63                    | 250    | 63                     | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/63  | 63                    | 300    | 63                     | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/75  | 2x35 or 75            | 100    | 75                     | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/75  | 2x35 or 75            | 125    | 75                     | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/75  | 2x35 or 75            | 150    | 75                     | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/75  | 2x35 or 75            | 175    | 75                     | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/75  | 2x35 or 75            | 200    | 75                     | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/75  | 2x35 or 75            | 225    | 75                     | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/75  | 2x35 or 75            | 250    | 75                     | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/75  | 2x35 or 75            | 300    | 75                     | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/91  | 2x44 or 91            | 100    | 91                     | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/91  | 2x44 or 91            | 125    | 91                     | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/91  | 2x44 or 91            | 150    | 91                     | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/91  | 2x44 or 91            | 175    | 91                     | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/91  | 2x44 or 91            | 200    | 91                     | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/91  | 2x44 or 91            | 225    | 91                     | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/91  | 2x44 or 91            | 250    | 91                     | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/91  | 2x44 or 91            | 300    | 91                     | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/96  | 2x47 or 96            | 100    | 96                     | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/96  | 2x47 or 96            | 125    | 96                     | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/96  | 2x47 or 96            | 150    | 96                     | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/96  | 2x47 or 96            | 175    | 96                     | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/96  | 2x47 or 96            | 200    | 96                     | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/96  | 2x47 or 96            | 225    | 96                     | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/96  | 2x47 or 96            | 250    | 96                     | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/96  | 2x47 or 96            | 300    | 96                     | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/100 | 2x50 or 100           | 100    | 100                    | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/100 | 2x50 or 100           | 125    | 100                    | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/100 | 2x50 or 100           | 150    | 100                    | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/100 | 2x50 or 100           | 175    | 100                    | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/100 | 2x50 or 100           | 200    | 100                    | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/100 | 2x50 or 100           | 225    | 100                    | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/100 | 2x50 or 100           | 250    | 100                    | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/100 | 2x50 or 100           | 300    | 100                    | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/116 | 2x56 or 115           | 100    | 116                    | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/116 | 2x56 or 115           | 125    | 116                    | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/116 | 2x56 or 115           | 150    | 116                    | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/116 | 2x56 or 115           | 175    | 116                    | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/116 | 2x56 or 115           | 200    | 116                    | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/116 | 2x56 or 115           | 225    | 116                    | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/116 | 2x56 or 115           | 250    | 116                    | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/116 | 2x56 or 115           | 300    | 116                    | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/125 | 2x63                  | 100    | 125                    | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/125 | 2x63                  | 125    | 125                    | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/125 | 2x63                  | 150    | 125                    | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/125 | 2x63                  | 175    | 125                    | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/125 | 2x63                  | 200    | 125                    | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/125 | 2x63                  | 225    | 125                    | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/125 | 2x63                  | 250    | 125                    | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/125 | 2x63                  | 300    | 125                    | 290 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM100/135 | 3x45                  | 100    | 135                    | 100 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM125/135 | 3x45                  | 125    | 135                    | 125 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM150/135 | 3x45                  | 150    | 135                    | 140 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM175/135 | 3x45                  | 175    | 135                    | 165 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM200/135 | 3x45                  | 200    | 135                    | 190 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM225/135 | 3x45                  | 225    | 135                    | 215 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM250/135 | 3x45                  | 250    | 135                    | 240 | 64 | 64 | 75 | 75 | 2 | 2           |
| JHM300/135 | 3x45                  | 300    | 135                    | 290 | 64 | 64 | 75 | 75 | 2 | 2           |

| References | Joist dimensions [mm] |        | Hanger Dimensions [mm] |     |    |    |    |    |     | Joist holes |
|------------|-----------------------|--------|------------------------|-----|----|----|----|----|-----|-------------|
|            | Width                 | Height | A                      | B   | C  | D  | E  | F  | t   |             |
| JHM100/142 | 2x70                  | 100    | 142                    | 100 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM125/142 | 2x70                  | 125    | 142                    | 125 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM150/142 | 2x70                  | 150    | 142                    | 140 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM175/142 | 2x70                  | 175    | 142                    | 165 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM200/142 | 2x70                  | 200    | 142                    | 190 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM225/142 | 2x70                  | 225    | 142                    | 215 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM250/142 | 2x70                  | 250    | 142                    | 240 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM300/142 | 2x70                  | 300    | 142                    | 290 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM100/146 | 2x72                  | 100    | 146                    | 100 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM125/146 | 2x72                  | 125    | 146                    | 125 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM150/146 | 2x72                  | 150    | 146                    | 140 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM175/146 | 2x72                  | 175    | 146                    | 165 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM200/146 | 2x72                  | 200    | 146                    | 190 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM225/146 | 2x72                  | 225    | 146                    | 215 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM250/146 | 2x72                  | 250    | 146                    | 240 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM300/146 | 2x72                  | 300    | 146                    | 290 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM100/150 | 3x50 or 2x75          | 100    | 150                    | 100 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM125/150 | 3x50 or 2x75          | 125    | 150                    | 125 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM150/150 | 3x50 or 2x75          | 150    | 150                    | 140 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM175/150 | 3x50 or 2x75          | 175    | 150                    | 165 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM200/150 | 3x50 or 2x75          | 200    | 150                    | 190 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM225/150 | 3x50 or 2x75          | 225    | 150                    | 215 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM250/150 | 3x50 or 2x75          | 250    | 150                    | 240 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM300/150 | 3x50 or 2x75          | 300    | 150                    | 290 | 64 | 64 | 75 | 75 | 2   | 2           |
| JHM        | -                     | -      | -                      | -   | 64 | 64 | 75 | 75 | 2   | 2           |
| Spec JHMSK | -                     | -      | -                      | -   | -  | -  | 75 | 75 | 2.5 | 2           |

## Product Performance - Masonry

| References | Joist Fasteners |          | Characteristic Capacity [kN]      |                                   |                                   |                  | Safe Working Loads [kN]           |                                   |                                   |                               |
|------------|-----------------|----------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|
|            | Qty             | Type     | R <sub>1,k</sub>                  |                                   |                                   | R <sub>2,k</sub> | R <sub>1,SWL</sub>                |                                   |                                   | R <sub>2,SWL,Short Term</sub> |
|            |                 |          | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                  | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                               |
| JHM100/38  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/38  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/38  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/38  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/38  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/38  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/38  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/38  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/44  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/44  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/44  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/44  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/44  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/44  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/44  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/44  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |

| References | Joist Fasteners |          | Characteristic Capacity [kN]      |                                   |                                   |                  | Safe Working Loads [kN]           |                                   |                                   |                               |
|------------|-----------------|----------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|
|            | Qty             | Type     | R <sub>1,k</sub>                  |                                   |                                   | R <sub>2,k</sub> | R <sub>1,SWL</sub>                |                                   |                                   | R <sub>2,SWL,Short Term</sub> |
|            |                 |          | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                  | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                               |
| JHM100/47  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/47  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/47  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/47  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/47  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/47  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/47  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/47  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/50  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/50  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/50  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/50  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/50  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/50  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/50  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/50  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/63  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/63  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/63  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/63  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/63  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/63  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/63  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/63  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/75  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/75  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/75  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/75  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/75  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/75  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/75  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/75  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/91  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/91  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/91  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/91  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/91  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/91  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/91  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/91  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/96  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/96  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/96  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/96  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/96  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/96  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/96  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/96  | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/100 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/100 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/100 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/100 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/100 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/100 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/100 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/100 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |

| References | Joist Fasteners |          | Characteristic Capacity [kN]      |                                   |                                   |                  | Safe Working Loads [kN]           |                                   |                                   |                               |
|------------|-----------------|----------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|
|            | Qty             | Type     | R <sub>1,k</sub>                  |                                   |                                   | R <sub>2,k</sub> | R <sub>1,SWL</sub>                |                                   |                                   | R <sub>2,SWL,Short Term</sub> |
|            |                 |          | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                  | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                               |
| JHM100/116 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/116 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/116 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/116 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/116 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/116 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/116 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/116 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/125 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/125 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/125 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/125 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/125 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/125 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/125 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/125 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/135 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/135 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/135 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/135 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/135 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/135 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/135 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/135 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/142 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/142 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/142 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/142 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/142 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/142 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/142 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/142 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/146 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/146 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/146 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/146 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/146 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/146 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/146 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/146 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM100/150 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM125/150 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM150/150 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM175/150 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM200/150 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM225/150 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM250/150 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM300/150 | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| JHM        | 2               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 1.8              | 5.2                               | 6.4                               | 10                                | 1                             |
| Spec JHMSK | 4               | N3.75x30 | -                                 | -                                 | -                                 | 1.8              | -                                 | -                                 | -                                 | -                             |

## Product Performance - Masonry - Enhanced Uplift

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JHM - Joist Hanger for Masonry

page  
6/15

2020-01-29

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| References | Joist Fasteners |          | Characteristic Capacity           |                                   |                                   |                  | Safe Working Loads [kN]           |                                   |                                   |                               |
|------------|-----------------|----------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|
|            | Qty             | Type     | R <sub>1,k</sub>                  |                                   |                                   | R <sub>2,k</sub> | R <sub>1,SWL</sub>                |                                   |                                   | R <sub>2,SWL,Short Term</sub> |
|            |                 |          | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                  | 2.8N/mm <sup>2</sup><br>Solid AAC | 7.0N/mm <sup>2</sup><br>Solid DAC | 3.5N/mm <sup>2</sup><br>Solid LAC |                               |
| JHM100/38  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/38  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/38  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/38  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/38  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/38  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/38  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/38  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/44  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/44  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/44  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/44  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/44  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/44  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/44  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/44  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/47  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/47  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/47  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/47  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/47  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/47  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/47  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/47  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/50  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/50  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/50  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/50  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/50  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/50  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/50  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/50  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/63  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/63  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/63  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/63  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/63  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/63  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/63  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/63  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/75  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/75  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/75  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/75  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/75  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/75  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/75  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/75  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/91  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/91  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/91  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/91  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/91  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/91  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/91  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/91  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |

| References | Joist Fasteners |          | Characteristic Capacity           |                                   |                                   |                  | Safe Working Loads [kN]           |                                   |                                   |                               |
|------------|-----------------|----------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|
|            | Qty             | Type     | R <sub>1,k</sub>                  |                                   |                                   | R <sub>2,k</sub> | R <sub>1,SWL</sub>                |                                   |                                   | R <sub>2,SWL,Short Term</sub> |
|            |                 |          | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                  | 2.8N/mm <sup>2</sup><br>Solid AAC | 7.0N/mm <sup>2</sup><br>Solid DAC | 3.5N/mm <sup>2</sup><br>Solid LAC |                               |
| JHM100/96  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/96  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/96  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/96  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/96  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/96  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/96  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/96  | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/100 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/100 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/100 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/100 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/100 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/100 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/100 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/100 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/116 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/116 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/116 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/116 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/116 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/116 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/116 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/116 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/125 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/125 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/125 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/125 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/125 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/125 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/125 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/125 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/135 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/135 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/135 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/135 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/135 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/135 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/135 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/135 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/142 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/142 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/142 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/142 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/142 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/142 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/142 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/142 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM100/146 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/146 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/146 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/146 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/146 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/146 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/146 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/146 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |

| References | Joist Fasteners |          | Characteristic Capacity           |                                   |                                   |                  | Safe Working Loads [kN]           |                                   |                                   |                               |
|------------|-----------------|----------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|
|            | Qty             | Type     | R <sub>1,k</sub>                  |                                   |                                   | R <sub>2,k</sub> | R <sub>1,SWL</sub>                |                                   |                                   | R <sub>2,SWL,Short Term</sub> |
|            |                 |          | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                  | 2.8N/mm <sup>2</sup><br>Solid AAC | 7.0N/mm <sup>2</sup><br>Solid DAC | 3.5N/mm <sup>2</sup><br>Solid LAC |                               |
| JHM100/150 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM125/150 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM150/150 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM175/150 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM200/150 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM225/150 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM250/150 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM300/150 | 6               | N3.75x30 | 10.5                              | 12.8                              | 20                                | 3.1              | 5.2                               | 6.4                               | 10                                | -                             |
| JHM        | -               | -        | -                                 | -                                 | -                                 | -                | 5.2                               | 6.4                               | 10                                | -                             |
| Spec JHMSK | -               | -        | -                                 | -                                 | -                                 | -                | 5.2                               | 6.4                               | 10                                | -                             |

## Product Performance - Masonry & Skewed

| References | Joist Fasteners |         | Safe Working Loads [kN]           |                                   |                                   |                               |
|------------|-----------------|---------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|
|            | Qty             | Type    | R <sub>1,SWL</sub>                |                                   |                                   | R <sub>2,SWL,Short Term</sub> |
|            |                 |         | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                               |
| JHM100/38  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/38  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/38  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/38  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/38  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/38  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/38  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/38  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/44  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/44  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/44  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/44  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/44  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/44  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/44  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/44  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/47  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/47  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/47  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/47  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/47  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/47  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/47  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/47  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/50  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/50  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/50  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/50  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/50  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/50  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/50  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/50  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/63  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/63  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/63  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/63  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/63  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/63  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |

| References | Joist Fasteners |         | Safe Working Loads [kN]           |                                   |                                   |                               |
|------------|-----------------|---------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|
|            | Qty             | Type    | R <sub>1,SWL</sub>                |                                   |                                   | R <sub>2,SWL,Short Term</sub> |
|            |                 |         | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                               |
| JHM250/63  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/63  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/75  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/75  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/75  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/75  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/75  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/75  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/75  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/75  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/91  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/91  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/91  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/91  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/91  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/91  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/91  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/91  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/96  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/96  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/96  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/96  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/96  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/96  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/96  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/96  | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/100 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/100 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/100 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/100 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/100 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/100 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/100 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/100 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/116 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/116 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/116 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/116 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/116 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/116 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/116 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/116 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/125 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/125 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/125 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/125 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/125 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/125 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/125 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/125 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/135 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/135 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/135 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/135 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/135 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/135 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |

| References | Joist Fasteners |         | Safe Working Loads [kN]           |                                   |                                   |                               |
|------------|-----------------|---------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|
|            | Qty             | Type    | R <sub>1,SWL</sub>                |                                   |                                   | R <sub>2,SWL,Short Term</sub> |
|            |                 |         | 2.8N/mm <sup>2</sup><br>Solid AAC | 3.5N/mm <sup>2</sup><br>Solid LAC | 7.0N/mm <sup>2</sup><br>Solid DAC |                               |
| JHM250/135 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/135 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/142 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/142 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/142 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/142 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/142 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/142 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/142 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/142 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/146 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/146 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/146 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/146 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/146 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/146 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/146 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/146 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM100/150 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM125/150 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM150/150 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM175/150 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM200/150 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM225/150 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM250/150 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM300/150 | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| JHM        | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | -                             |
| Spec JHMSK | 4               | 3.75x30 | 5                                 | 5.1                               | 5.1                               | 1                             |

1. Maximum skew 45°

## Product Performance - Shot fired to Steel Girder

| References | Number of Fasteners |                |       |          | Safe Working Loads [kN]      |
|------------|---------------------|----------------|-------|----------|------------------------------|
|            | Header              |                | Joist |          | R <sub>1,SWL,Long Term</sub> |
|            | Qty                 | Type           | Qty   | Type     |                              |
| JHM100/38  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM125/38  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM150/38  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM175/38  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM200/38  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM225/38  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM250/38  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM300/38  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM100/44  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM125/44  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM150/44  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM175/44  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM200/44  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM225/44  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM250/44  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM300/44  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM100/47  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |
| JHM125/47  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                          |

| References | Number of Fasteners |                |       |          | Safe Working Loads [kN]         |
|------------|---------------------|----------------|-------|----------|---------------------------------|
|            | Header              |                | Joist |          | R <sub>1</sub> , SWL, Long Term |
|            | Qty                 | Type           | Qty   | Type     |                                 |
| JHM150/47  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM175/47  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM200/47  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM225/47  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM250/47  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM300/47  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM100/50  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM125/50  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM150/50  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM175/50  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM200/50  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM225/50  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM250/50  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM300/50  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM100/63  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM125/63  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM150/63  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM175/63  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM200/63  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM225/63  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM250/63  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM300/63  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM100/75  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM125/75  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM150/75  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM175/75  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM200/75  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM225/75  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM250/75  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM300/75  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM100/91  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM125/91  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM150/91  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM175/91  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM200/91  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM225/91  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM250/91  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM300/91  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM100/96  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM125/96  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM150/96  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM175/96  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM200/96  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM225/96  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM250/96  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM300/96  | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM100/100 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM125/100 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM150/100 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM175/100 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM200/100 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM225/100 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM250/100 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM300/100 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM100/116 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |
| JHM125/116 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                             |

| References | Number of Fasteners |                |       |          | Safe Working Loads [kN]       |
|------------|---------------------|----------------|-------|----------|-------------------------------|
|            | Header              |                | Joist |          | R <sub>1</sub> ,SWL,Long Term |
|            | Qty                 | Type           | Qty   | Type     |                               |
| JHM150/116 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM175/116 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM200/116 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM225/116 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM250/116 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM300/116 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM100/125 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM125/125 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM150/125 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM175/125 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM200/125 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM225/125 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM250/125 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM300/125 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM100/135 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM125/135 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM150/135 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM175/135 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM200/135 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM225/135 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM250/135 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM300/135 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM100/142 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM125/142 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM150/142 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM175/142 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM200/142 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM225/142 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM250/142 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM300/142 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM100/146 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM125/146 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM150/146 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM175/146 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM200/146 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM225/146 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM250/146 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM300/146 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM100/150 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM125/150 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM150/150 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM175/150 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM200/150 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM225/150 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM250/150 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM300/150 | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| JHM        | 4                   | Shot fire pins | 2     | N3.75x30 | 5.1                           |
| Spec JHMSK | -                   | -              | -     | -        | -                             |

1. The above Safe Working Loads are based upon product tests using four No. Hilti 12mm X-EDNI steel pins fired through holes provided in the top flange of the hangers onto 4mm thick steel plate. Other pins may be used provided similar structural performance is verified by the pin manufacturer. Pin Head size must be sufficient to prevent pull through during loading.
2. The designer must ensure that the steel support member will support the imposed loads.
3. Install shot-fired pins in accordance with manufacturer's instructions.

### Product Performance - Mechanically Fixed to Steel Beam

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JHM - Joist Hanger for Masonry

page  
13/15

2020-01-29

[www.strongtie.co.uk](http://www.strongtie.co.uk)

| References | Number of Fasteners |             |       |          | Safe Working Loads             | Characteristic Load [kN] |
|------------|---------------------|-------------|-------|----------|--------------------------------|--------------------------|
|            | Header              |             | Joist |          | R <sub>1,SWL</sub> , Long Term | R <sub>1,k</sub>         |
|            | Qty                 | Type        | Qty   | Type     |                                |                          |
| JHM        | 2                   | XLQ114B1224 | 2     | N3.75x30 | 10.8                           | 19                       |

- The designer / engineer must ensure that the steel support can take the imposed loads
- Suitable for Steel I-beams and Hollow Sections upto 12.5mm thick
- Timber is required in the web of steel I-beam when the hanger depth is less than the steel depth. Timber must finish flush with outer edges of steel I-beam

| Fastener Reference | Length [mm] | Hex Head [in] | Washer Diameter [mm] | Shank Diameter [mm] | Suitable Material Thickness [mm] | Recommended Install Speed [rpm] |
|--------------------|-------------|---------------|----------------------|---------------------|----------------------------------|---------------------------------|
| XLQ114B1224        | 32          | 5/16"         | 16                   | 5.5                 | 3.5 - 12.5                       | 1400                            |

## INSTALLATION

### Installation

#### Standard Masonry Installation

- Use all specified fasteners. See "General Notes".
- Set hanger back flange tight against block wall when built to desired level, then continue with additional courses to complete wall height. Joist should be tight into back of hanger when possible. Maximum gap permitted is 6mm.
- MINIMUM 3 COURSES OF SOLID BLOCK (675MM MASONRY) REQUIRED ABOVE HANGER WITH MORTAR FULLY CURED BEFORE APPLYING LOAD.
- Do not stack blocks or heavy loads on the joists during construction unless the joists have additional support to take the full load of the blocks vertically and horizontally.

#### Fixed to Steel Beams

- The JHM range can be mechanically fixed to steel beams of thicknesses up to 12.5mm.
- Timber is required in the web of the 'I' section steel beam when the hanger depth is less than the steel depth.
- Timber must be flush with the outer edges of the 'I' section steel beam.
- The shot-fired pins must be installed by a qualified person in accordance with the manufacturer's installation requirements.