



Die NP Lochbleche werden aus sendzimirverzinkten Blechen in den Dicken 1,5 mm, 2,0 mm, 2,5 mm und 3,0 mm hergestellt. Der Lochdurchmesser beträgt 5 mm.



[DE-DoP-h10/0005](#)

## EIGENSCHAFTEN



### Material

#### Stahlqualität:

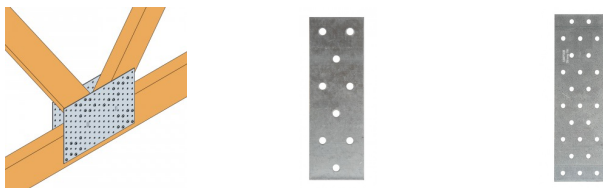
S 250 GD +Z 275 gemäß DIN EN 10346

#### Korrosionsschutz:

275 g/m<sup>2</sup> beidseitig - entsprechend einer Zinkschichtdicke von ca. 20 µm

### Vorteile

- vielfältig einsetzbares Verbindungsmittel in vielen Standardgrößen und im Zuschnitt.



## ANWENDUNG

### Anwendbare Materialien

#### Auflager:

- Holz, Holzwerkstoffe

#### Aufzulagerndes Bauteil:

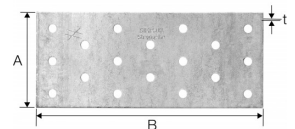
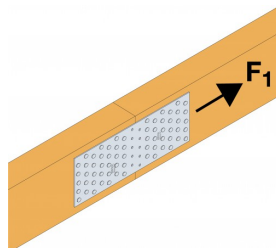
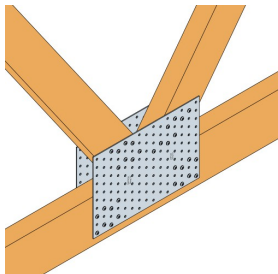
- Holz, Holzwerkstoffe

### Anwendungsbereich

- Für Lochbleche gibt es viele Anwendungsmöglichkeiten im konstruktiven Holzbau.
- Sie werden insbesondere für die Herstellung von Fachwerk- und Kehlbalckenbindern verwendet.
- Zusammen mit Simpson Strong-Tie® CNA Kammnägeln oder CSA Schrauben dürfen alle Lochbleche als dicke Bleche gemäß EC5 bzw. DIN 1052 berechnet werden. Somit können auch für die 1,5 mm Bleche die höheren Werte der Nageltragfähigkeiten in Ansatz gebracht werden.

## TECHNISCHE DATEN

### Abmessungen und charakteristische Werte



| Artikel      | Abmessungen [mm] |     |        | Löcher |    |
|--------------|------------------|-----|--------|--------|----|
|              | A                | B   | Stärke | Anzahl | Ø  |
| NP15/40/120  | 40               | 120 | 1.5    | 9      | Ø5 |
| NP15/40/160  | 40               | 160 | 1.5    | 12     | Ø5 |
| NP15/50/200  | 50               | 200 | 1.5    | 20     | Ø5 |
| NP15/60/140  | 60               | 140 | 1.5    | 18     | Ø5 |
| NP15/60/160  | 60               | 160 | 1.5    | 20     | Ø5 |
| NP15/60/180  | 60               | 180 | 1.5    | 23     | Ø5 |
| NP15/60/200  | 60               | 200 | 1.5    | 25     | Ø5 |
| NP15/60/220  | 60               | 220 | 1.5    | 28     | Ø5 |
| NP15/60/240  | 60               | 240 | 1.5    | 30     | Ø5 |
| NP15/60/300  | 60               | 300 | 1.5    | 38     | Ø5 |
| NP15/60/340  | 60               | 340 | 1.5    | 43     | Ø5 |
| NP15/60/420  | 60               | 420 | 1.5    | 53     | Ø5 |
| NP15/60/500  | 60               | 500 | 1.5    | 63     | Ø5 |
| NP15/80/100  | 80               | 100 | 1.5    | 18     | Ø5 |
| NP15/80/140  | 80               | 140 | 1.5    | 25     | Ø5 |
| NP15/80/180  | 80               | 180 | 1.5    | 32     | Ø5 |
| NP15/80/200  | 80               | 200 | 1.5    | 35     | Ø5 |
| NP15/80/220  | 80               | 220 | 1.5    | 39     | Ø5 |
| NP15/80/240  | 80               | 240 | 1.5    | 42     | Ø5 |
| NP15/80/260  | 80               | 260 | 1.5    | 46     | Ø5 |
| NP15/80/280  | 80               | 280 | 1.5    | 49     | Ø5 |
| NP15/80/300  | 80               | 300 | 1.5    | 53     | Ø5 |
| NP15/80/340  | 80               | 340 | 1.5    | 60     | Ø5 |
| NP15/80/380  | 80               | 380 | 1.5    | 67     | Ø5 |
| NP15/80/420  | 80               | 420 | 1.5    | 74     | Ø5 |
| NP15/80/500  | 80               | 500 | 1.5    | 88     | Ø5 |
| NP15/100/140 | 100              | 140 | 1.5    | 32     | Ø5 |
| NP15/100/180 | 100              | 180 | 1.5    | 41     | Ø5 |
| NP15/100/200 | 100              | 200 | 1.5    | 45     | Ø5 |
| NP15/100/220 | 100              | 220 | 1.5    | 50     | Ø5 |
| NP15/100/240 | 100              | 240 | 1.5    | 54     | Ø5 |
| NP15/100/300 | 100              | 300 | 1.5    | 68     | Ø5 |
| NP15/100/340 | 100              | 340 | 1.5    | 77     | Ø5 |
| NP15/100/380 | 100              | 380 | 1.5    | 86     | Ø5 |
| NP15/120/160 | 120              | 160 | 1.5    | 44     | Ø5 |
| NP15/120/220 | 120              | 220 | 1.5    | 61     | Ø5 |
| NP15/120/240 | 120              | 240 | 1.5    | 66     | Ø5 |
| NP15/120/260 | 120              | 260 | 1.5    | 72     | Ø5 |
| NP15/120/300 | 120              | 300 | 1.5    | 83     | Ø5 |
| NP15/120/340 | 120              | 340 | 1.5    | 94     | Ø5 |

| Artikel      | Abmessungen [mm] |     |        | Löcher |    |
|--------------|------------------|-----|--------|--------|----|
|              | A                | B   | Stärke | Anzahl | Ø  |
| NP15/120/380 | 120              | 380 | 1.5    | 105    | Ø5 |
| NP15/140/140 | 140              | 140 | 1.5    | 46     | Ø5 |
| NP15/140/180 | 140              | 180 | 1.5    | 59     | Ø5 |
| NP15/140/200 | 140              | 200 | 1.5    | 65     | Ø5 |
| NP15/140/220 | 140              | 220 | 1.5    | 72     | Ø5 |
| NP15/140/240 | 140              | 240 | 1.5    | 78     | Ø5 |
| NP15/140/260 | 140              | 260 | 1.5    | 85     | Ø5 |
| NP15/140/300 | 140              | 300 | 1.5    | 98     | Ø5 |
| NP15/140/380 | 140              | 380 | 1.5    | 124    | Ø5 |
| NP15/140/420 | 140              | 420 | 1.5    | 137    | Ø5 |
| NP15/160/180 | 160              | 180 | 1.5    | 68     | Ø5 |
| NP15/160/220 | 160              | 220 | 1.5    | 83     | Ø5 |
| NP15/160/240 | 160              | 240 | 1.5    | 90     | Ø5 |
| NP15/160/260 | 160              | 260 | 1.5    | 98     | Ø5 |
| NP15/160/340 | 160              | 340 | 1.5    | 128    | Ø5 |
| NP15/160/380 | 160              | 380 | 1.5    | 143    | Ø5 |
| NP15/160/400 | 160              | 400 | 1.5    | 150    | Ø5 |
| NP15/160/420 | 160              | 420 | 1.5    | 158    | Ø5 |
| NP15/180/180 | 180              | 180 | 1.5    | 77     | Ø5 |
| NP15/180/220 | 180              | 220 | 1.5    | 94     | Ø5 |
| NP15/200/220 | 200              | 220 | 1.5    | 105    | Ø5 |
| NP15/200/260 | 200              | 260 | 1.5    | 124    | Ø5 |
| NP15/220/220 | 220              | 220 | 1.5    | 116    | Ø5 |
| NP15/220/260 | 220              | 260 | 1.5    | 137    | Ø5 |
| NP15/220/300 | 220              | 300 | 1.5    | 158    | Ø5 |
| NP15/240/180 | 240              | 180 | 1.5    | 104    | Ø5 |
| NP15/240/220 | 240              | 220 | 1.5    | 127    | Ø5 |
| NP15/240/260 | 240              | 260 | 1.5    | 150    | Ø5 |
| NP15/240/300 | 240              | 300 | 1.5    | 173    | Ø5 |
| NP15/260/260 | 260              | 260 | 1.5    | 163    | Ø5 |
| NP15/280/220 | 280              | 220 | 1.5    | 149    | Ø5 |
| NP15/280/260 | 280              | 260 | 1.5    | 173    | Ø5 |
| NP15/280/300 | 280              | 300 | 1.5    | 203    | Ø5 |
| NP15/320/140 | 320              | 140 | 1.5    | 109    | Ø5 |
| NP20/40/120  | 40               | 120 | 2      | 9      | Ø5 |
| NP20/40/160  | 40               | 160 | 2      | 12     | Ø5 |
| NP20/50/200  | 50               | 200 | 2      | 20     | Ø5 |
| NP20/60/140  | 60               | 140 | 2      | 18     | Ø5 |
| NP20/60/160  | 60               | 160 | 2      | 20     | Ø5 |
| NP20/60/200  | 60               | 200 | 2      | 25     | Ø5 |
| NP20/60/240  | 60               | 240 | 2      | 30     | Ø5 |
| NP20/80/160  | 80               | 160 | 2      | 28     | Ø5 |
| NP20/80/200  | 80               | 200 | 2      | 35     | Ø5 |
| NP20/80/240  | 80               | 240 | 2      | 42     | Ø5 |
| NP20/80/300  | 80               | 300 | 2      | 53     | Ø5 |
| NP20/100/140 | 100              | 140 | 2      | 32     | Ø5 |
| NP20/100/160 | 100              | 160 | 2      | 36     | Ø5 |
| NP20/100/200 | 100              | 200 | 2      | 45     | Ø5 |
| NP20/100/240 | 100              | 240 | 2      | 54     | Ø5 |
| NP20/100/260 | 100              | 260 | 2      | 59     | Ø5 |
| NP20/100/300 | 100              | 300 | 2      | 68     | Ø5 |
| NP20/100/400 | 100              | 400 | 2      | 89     | Ø5 |
| NP20/100/500 | 100              | 500 | 2      | 112    | Ø5 |
| NP20/120/160 | 120              | 160 | 2      | 44     | Ø5 |
| NP20/120/200 | 120              | 200 | 2      | 55     | Ø5 |
| NP20/120/240 | 120              | 240 | 2      | 66     | Ø5 |
| NP20/120/260 | 120              | 260 | 2      | 72     | Ø5 |
| NP20/120/300 | 120              | 300 | 2      | 83     | Ø5 |

| Artikel       | Abmessungen [mm] |      |        | Löcher |      |
|---------------|------------------|------|--------|--------|------|
|               | A                | B    | Stärke | Anzahl | Ø    |
| NP20/120/400  | 120              | 400  | 2      | 110    | Ø5   |
| NP20/140/200  | 140              | 200  | 2      | 65     | Ø5   |
| NP20/140/240  | 140              | 240  | 2      | 78     | Ø5   |
| NP20/140/400  | 140              | 400  | 2      | 130    | Ø5   |
| NP20/160/300  | 160              | 300  | 2      | 113    | Ø5   |
| NP20/160/400  | 160              | 400  | 2      | 150    | Ø5   |
| NP20/200/300  | 200              | 300  | 2      | 200    | Ø5   |
| NP20/350/40   | 350              | 40   | 2      | 34     | Ø5   |
| NP20/620/1240 | 620              | 1240 | 2      | -      | Ø5   |
| NP25/620/1240 | 620              | 1240 | 2      | -      | Ø5   |
| NP30/620/1240 | 620              | 1240 | 2      | -      | Ø5   |
| NP40/120      | 40               | 120  | 1.5    | 9      | Ø4.1 |
| NP80/140      | 80               | 140  | 1.5    | 25     | Ø4.1 |
| NP80/180      | 80               | 180  | 1.5    | 32     | Ø4.1 |
| NP80/200      | 80               | 200  | 1.5    | 35     | Ø4.1 |
| NP80/220      | 80               | 220  | 1.5    | 39     | Ø4.1 |
| NP80/260      | 80               | 260  | 1.5    | 46     | Ø4.1 |
| NP100/140     | 100              | 140  | 1.5    | 32     | Ø4.1 |
| NP100/200     | 100              | 200  | 1.5    | 45     | Ø4.1 |
| NP100/240     | 100              | 240  | 1.5    | 54     | Ø4.1 |
| NP100/300     | 100              | 300  | 1.5    | 68     | Ø4.1 |
| NP140/180     | 140              | 180  | 1.5    | 59     | Ø4.1 |
| NP140/200     | 140              | 200  | 1.5    | 65     | Ø4.1 |
| NP140/260     | 140              | 260  | 1.5    | 85     | Ø4.1 |
| NP160/340     | 160              | 340  | 1.5    | 128    | Ø4.1 |
| NP200/260     | 200              | 260  | 1.5    | 124    | Ø4.1 |
| NP220/300     | 220              | 300  | 1.5    | 158    | Ø4.1 |

With

$n$ : the number of nails

$R_{lat,k}$ : Shear capacity of the fastener

## INSTALLATION

### Befestigung

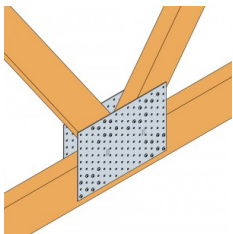
- Die Befestigung erfolgt mit CNA4,0x# Kammnägeln oder CSA5,0x# Schrauben.



Assemblage  
de 3 éléments  
par plaques  
perforées NP



Fixation  
chevrons  
bois par  
équerre ABC  
et aboutage  
des chevrons  
par plaques  
perforées NP



## TECHNICAL NOTES