

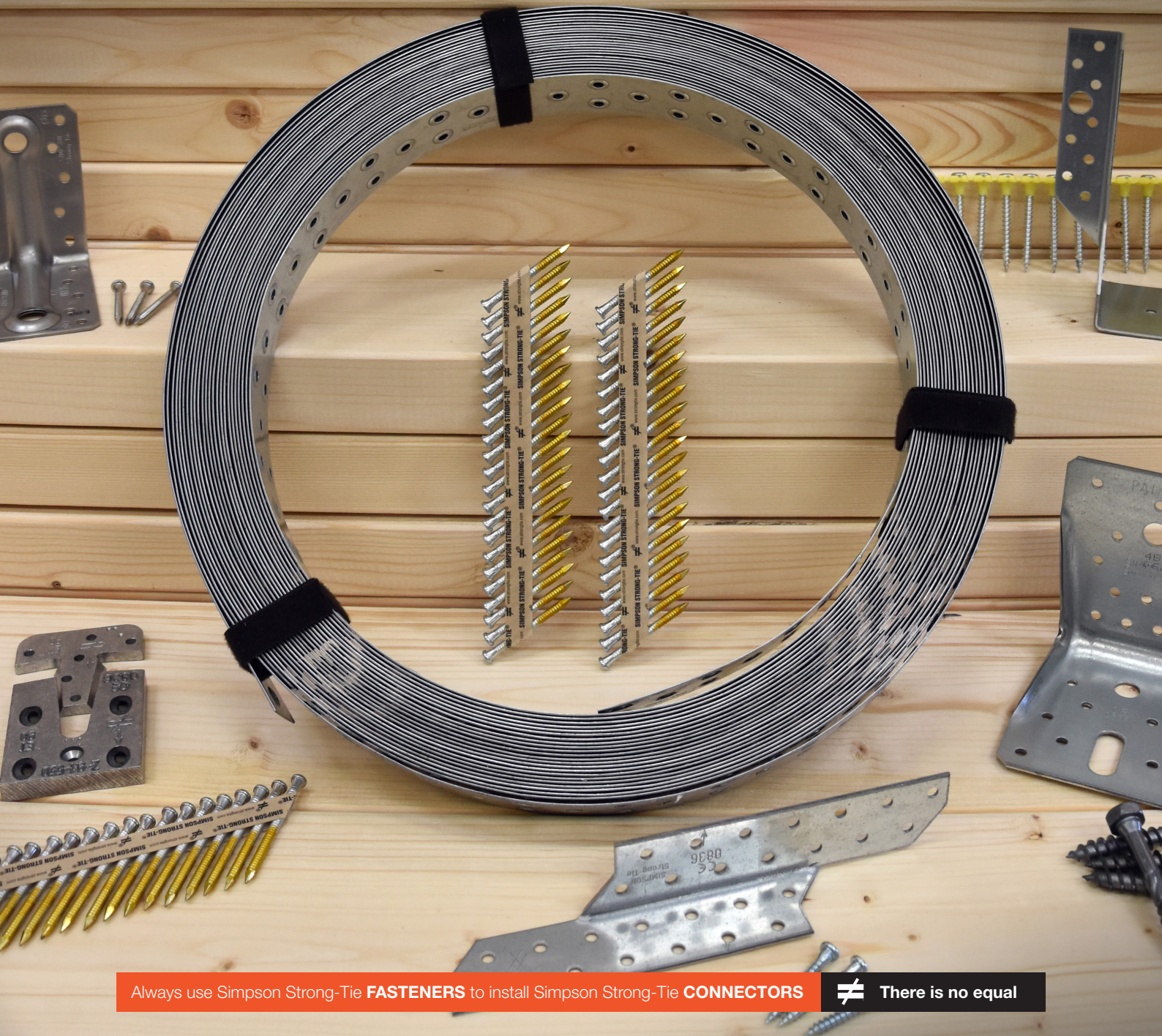
# Fasteners for Connectors

Tested and approved fastening solutions for installing Simpson Strong-Tie® connectors to wood

**SIMPSON**

**Strong-Tie**

## The strength of the system



Always use Simpson Strong-Tie **FASTENERS** to install Simpson Strong-Tie **CONNECTORS**



There is no equal



# Using the right fasteners to install your connectors is essential - Here's why!

Simpson Strong-Tie® connectors are designed to help you build safer, stronger structures. In our catalogues and on our website we publish the load-bearing capacities of our connectors for each of the different applications where they are applicable. Engineers use these capacities when they specify which products and materials should be used for the construction.

But in order for these load-bearing capacities of the connectors to apply in practice, the connectors need to be installed with the correct fasteners and they need to be installed according to the specified nailing pattern. All of which can be found in our catalogues.

Together, fasteners and connectors create a system, where the different parts cannot be replaced. So, if you want to be able to document the load-bearing capacities of the structures you build, it is essential that you use the right fasteners to install your connectors.

To learn more, go to [\*\*strongtie.eu/connectorfastening\*\*](https://strongtie.eu/connectorfastening)



## Collated Solid-Drive™ CNA nails

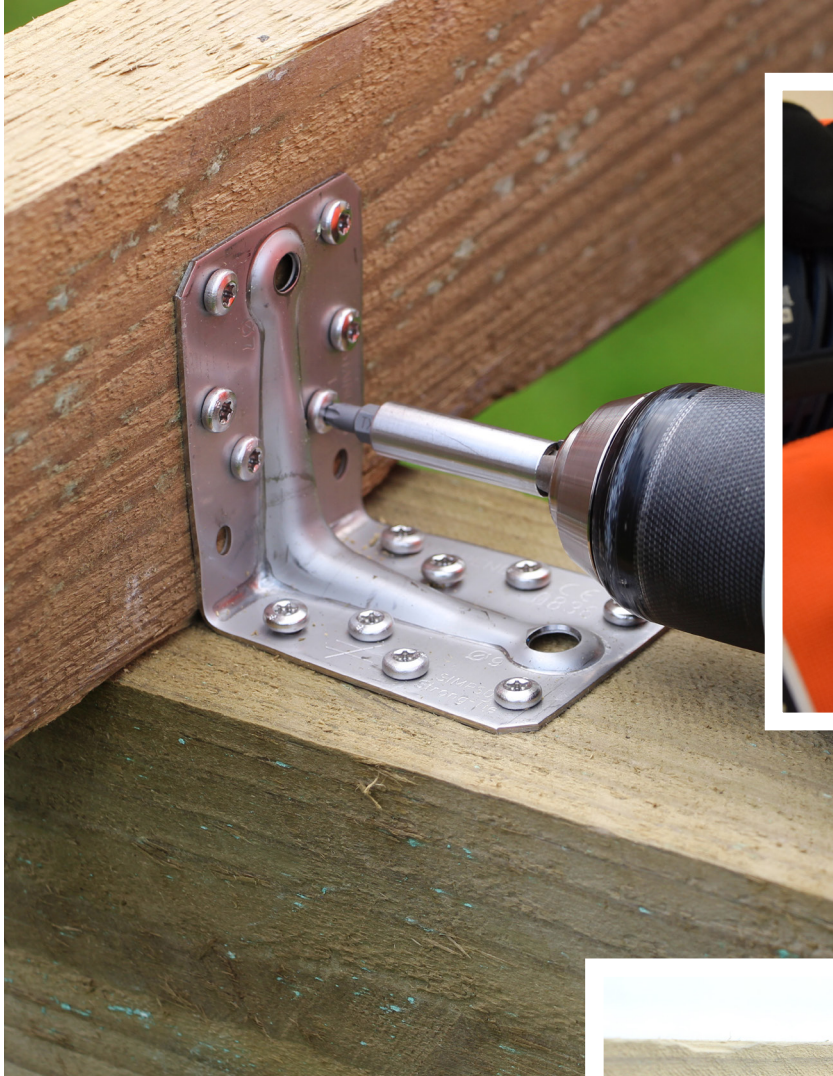
Our CNA connector nails are supplied in a range of different collations, ensuring that they can be installed with the nail gun of your choice.





**Fastening solutions for professionals and DIY**

No matter if you are a professional builder or a DIY'er, our range of fasteners for connectors ensure that you can always find a good solution for the structure you are about to build.

**Save time!**

SSH and SSF screws make it possible to install connectors using less fasteners and thereby using less time on installation.

**Stainless steel**

Our CNA connector nails and CSA connector screws are available in A4 stainless steel. Always use stainless steel fasteners to install stainless steel connectors in order to avoid galvanic corrosion.

**Create a nice finish!**

Our range of black connectors can be installed with black CSA-PB connector screws ensuring an aesthetically nice finish.

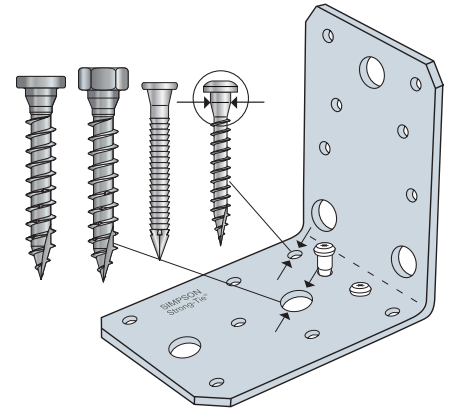
## The strength of the system

# Tested and approved **fastening solutions** for installing Simpson Strong-Tie® **connectors** to wood

Simpson Strong-Tie® offers the most high-performance steel connectors on the market, and they have proven most effective when paired with our tested premium structural fasteners. Together, fasteners and connectors create a system, that helps ensure the strength of your connection and the safety of your structures.

We provide fastener recommendations for all of our connectors. Variables such as application, environment and load requirements all play a part in how we determine the appropriate fastener type, length, diameter, and finish. Be sure to match the metal and finish of you fastener to that of your connector, since mixing different materials and coatings might create what is known as galvanic corrosion.

We highly recommend to consult our wood connector catalogue or website to determine exactly which fasteners should be used with your connectors.



## Guaranteed performance

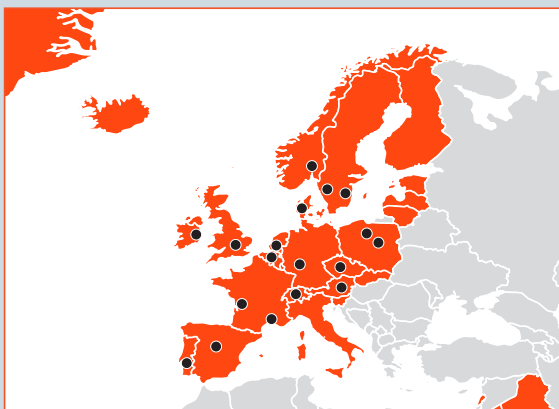
The fact that we extensively test our fasteners and connectors together as a system, gives you the reassurance that they will perform in the toughest conditions. We strive to ensure that our products are compliant with the latest European requirements for construction products.

The quality and variety of our product lines give engineers and builders more freedom to design flexibly, while offering reliable and proven performance. In addition, customers can count on our specialized local technical support centers with experienced field representatives and tailored training programmes.

The characteristic values published in our catalogues and on our websites have been determined from test values in accordance with EN14358 for use with Limit State Design methods. Corresponding deflection limits are published, where appropriate, which indicates the amount of slip in the connection when the stated characteristic load is applied.

| R <sub>k</sub> |           |           | R <sub>22</sub> |           |           |
|----------------|-----------|-----------|-----------------|-----------|-----------|
| CNA4,0x50      | CNA4,0x60 | CSA5,0x50 | CNA4,0x35       | CNA4,0x50 | CNA4,0x60 |
| 23,9           | 26,0      | 27,6      | 15,6            | 20,8      | 22,6      |
| 28,3           | 30,7      | 32,6      | 14,5            | 19,4      | 21,0      |
| -              | -         | -         | -               | -         | -         |
| 23,9           | 26,0      | 27,6      | 17,1            | 22,8      | 24,8      |
| 28,3           | 30,7      | 32,6      | 16,7            | 22,3      | 24,2      |
| 56,6           | 61,4      | 65,3      | 16,1            | 21,5      | 23,7      |

where the number of fasteners corresponds to the quantity specified in the table, please contact the technical services department.



## European manufacturing

Beyond precision engineering and rigorous testing, our European based manufacturing facilities are what enable us to deliver products to the highest industry standard. We invest in - and invent - fabrication technology that can bring our designs to life, and ultimately provide your projects strength, speed and success.

In 2017 Simpson Strong-Tie® acquired the well-renowned fastener manufacturer: Gbo Fastening Systems A.B., situated in Sweden. A company known for their high-quality fastener manufacturing, world class product design and in-house testing facilities.



### We are ISO 9001-2015 registered

Simpson Strong-Tie® is an ISO 9001-2015 registered company. ISO 9001-2015 is an internationally-recognized quality assurance system which lets our domestic and international customers know that they can count on the consistent quality of Simpson Strong-Tie® products and services.

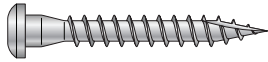


## CONNECTOR Screws

When structural projects will be subjected to the elements, you need fasteners that can stand up to the toughest applications — and last.

### **Solid-Drive™**

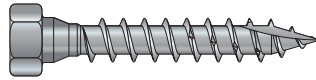
CSA **CONNECTOR** Screw



*Electro galvanised, Impreg®+ coated, stainless steel A4 or HCR, p. 6*

### **Solid-Drive™**

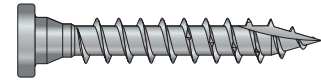
SSH Hex-Head **CONNECTOR** Screw



*Impreg®+ coated, p. 10*

### **Solid-Drive™**

SSF Flat Head **CONNECTOR** Screw



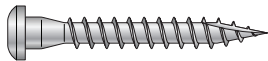
*Impreg®+ coated, p. 9*

## Collated **CONNECTOR** Screws for Quik® Drive

Efficient fastening saves time and money; use a Quik Drive® system on your next job to speed up labor-intensive screw installations.

### **Solid-Drive™**

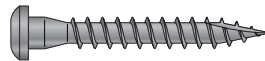
CSA-T Collated **CONNECTOR** Screw



*Electro galvanised, p. 8*

### **Solid-Drive™**

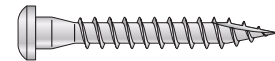
CSA-ZT Collated **CONNECTOR** Screw



*Impreg®+ coated, p. 8*

### **Solid-Drive™**

CSA-ST Collated **CONNECTOR** Screw



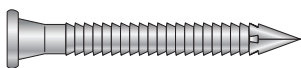
*Stainless steel A4, p. 8*

## CONNECTOR Nails

Our connector nails are easy to install but hard to pull out. The special design of the head, shank and point creates the optimal nail for installing Simpson Strong-Tie® connectors to wood.

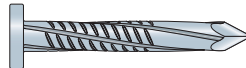
### **Solid-Drive™**

CNA **CONNECTOR** Nail



*Electro galvanised, hot dip galvanised or stainless steel A4, p. 12*

N3.75 **SQUARE TWIST** Nail



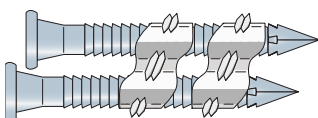
*Sheradised or hot dip galvanised, p. 17*

## Collated **CONNECTOR** Nails

With the development of better nail gun tools, collated nails are becoming more and more popular. Our collated CNA nails combine the strength of the connector nail with the convenience of installing it with a nail gun.

### **Solid-Drive™**

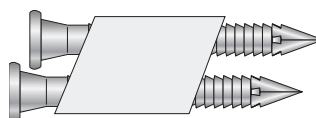
CNA34G Collated **CONNECTOR** Nail



*Electro galvanised or hot dip galvanised, plastic strip, p. 15*

### **Solid-Drive™**

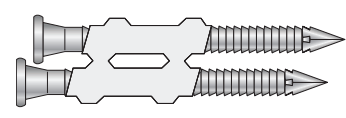
CNA-PC Collated **CONNECTOR** Nail



*Electro galvanised, paper strip, p. 14*

### **Solid-Drive™**

CNAC Collated **CONNECTOR** Nail



*Electro galvanised or hot dip galvanised, plastic coil, p. 16*



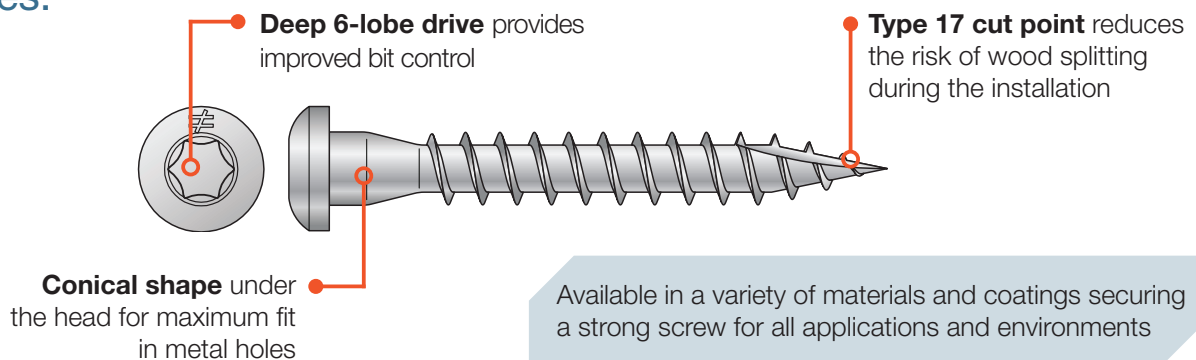
## Solid-Drive™ CSA CONNECTOR Screw

The Solid-Drive™ CSA connector screw is developed for mounting of Simpson Strong-Tie® connectors to wood, in order to obtain the published load bearing capacities. The conical shape under the head secures fully contact to the connector, which increases the transfer of force. A fixed connection with larger cross-bearing capacity than for

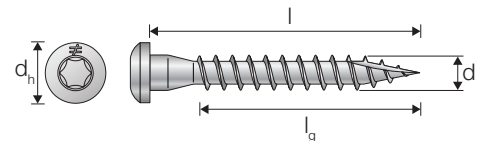
standard screws is obtained. The 6 lobe recess helps to fix the screw during insertion.

CSA-PB with black painted head is suitable for installing Simpson Strong-Tie's range of black powder-coated connectors in wood.

### Features:

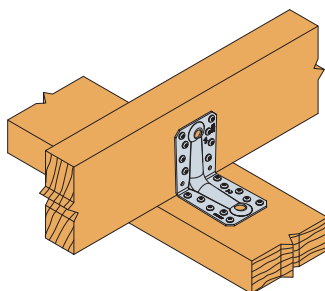


### CSA Electro Galvanised

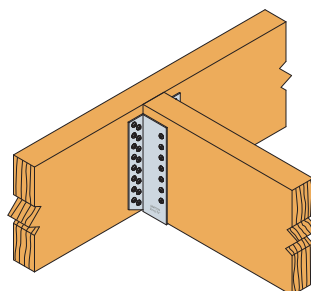


| Model No.    | Dimensions [mm] |    |                |                | Bit  |      |
|--------------|-----------------|----|----------------|----------------|------|------|
|              | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |      |
| CSA4.0X30    | 4.0             | 30 | 7.3            | 24             | T-15 | 250  |
| CSA5.0X25    | 5.0             | 25 | 8.3            | 19             | T-20 | 250  |
| CSA5.0X35-R  | 5.0             | 35 | 8.3            | 29             | T-20 | 25   |
| CSA5.0X35*   | 5.0             | 35 | 8.3            | 29             | T-20 | 250  |
| CSA5.0X35-HV | 5.0             | 35 | 8.3            | 29             | T-20 | 1500 |
| CSA5.0X40-R  | 5.0             | 40 | 8.3            | 34             | T-20 | 25   |
| CSA5.0X40*   | 5.0             | 40 | 8.3            | 34             | T-20 | 250  |
| CSA5.0X40-HV | 5.0             | 40 | 8.3            | 34             | T-20 | 1500 |
| CSA5.0X50*   | 5.0             | 50 | 8.3            | 34             | T-20 | 250  |
| CSA5.0X80    | 5.0             | 80 | 8.3            | 44             | T-20 | 200  |

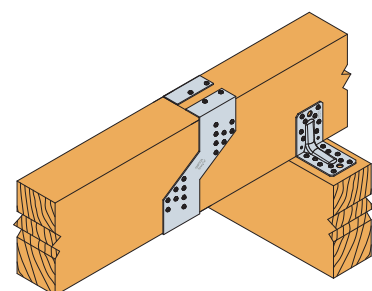
\* Available as collated screws for the Quik Drive® system, see page 8.



**ABR** angle bracket  
installed with CSA



**BSD** joist hanger  
installed with CSA



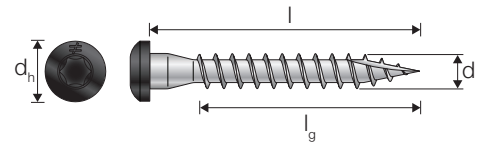
**GERB** gerber bracket  
installed with CSA





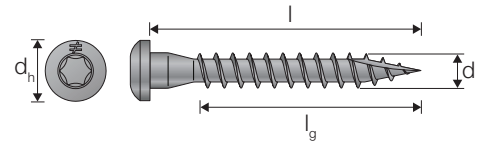
## CSA-PB Electro Galvanised + Painted Head RAL 9005

| Model No.     | Dimensions [mm] |    |                |                | Bit  |     |
|---------------|-----------------|----|----------------|----------------|------|-----|
|               | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |     |
| CSA5.0X35PB-R | 5.0             | 35 | 8.3            | 29             | T-20 | 100 |



## CSA-Z Impreg®+ Coating

| Model No.     | Dimensions [mm] |    |                |                | Bit  |      |
|---------------|-----------------|----|----------------|----------------|------|------|
|               | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |      |
| CSA5.0X35Z*   | 5.0             | 35 | 8.3            | 29             | T-20 | 250  |
| CSA5.0X35Z-HV | 5.0             | 35 | 8.3            | 29             | T-20 | 1500 |
| CSA5.0X40Z *  | 5.0             | 40 | 8.3            | 34             | T-20 | 250  |
| CSA5.0X40Z-HV | 5.0             | 40 | 8.3            | 34             | T-20 | 1500 |

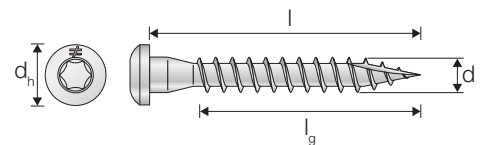


\* Available as collated screws for the Quik Drive® system, see page 8.



## CSA-S Stainless Steel A4

| Model No.   | Dimensions [mm] |    |                |                | Bit  |     |
|-------------|-----------------|----|----------------|----------------|------|-----|
|             | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |     |
| CSA5.0X25S  | 5.0             | 25 | 8.3            | 19             | T-20 | 250 |
| CSA5.0X35S* | 5.0             | 35 | 8.3            | 29             | T-20 | 250 |
| CSA5.0X40S* | 5.0             | 40 | 8.3            | 34             | T-20 | 250 |

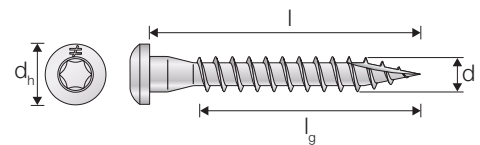


\* Available as collated screws for the Quik Drive® system, see page 8.



## CSA-HCR High-Corrosion Resistance Steel

| Model No.    | Dimensions [mm] |    |                |                | Bit  |     |
|--------------|-----------------|----|----------------|----------------|------|-----|
|              | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |     |
| CSA5.0X40HCR | 5.0             | 40 | 8.3            | 34             | T-20 | 100 |



For additional technical data, such as load-bearing capacities, installation data and more, visit our website [www.strongtie.eu](http://www.strongtie.eu).

## Application examples:



Black **SAE-PB** joist hanger installed with **CSA-PB** screws



ZPRO coated **ABR9020Z** angle bracket installed with **CSA-Z** screws



A4 stainless steel **ABR7015S** installed with A4 stainless steel **CSA-S** connector screws



## Solid-Drive™ CSA-T Quik Drive® Collated CONNECTOR Screw

The Solid-Drive™ CSA-T screw is CE marked and designed to facilitate the installation of angle brackets and connectors. It has a flat pan head and conical shape underneath to ensure full contact with the connector which enhances force transmission. The type 17 cut point eliminates the need for pre drilling and reduces the risk of splitting the timber.



### CSA-T Electro Galvanised

| Model No.  | Dimensions [mm] |     |    |                | Qty per Strip | Qty per Pack | Recommended RPM | QDBPC50E |
|------------|-----------------|-----|----|----------------|---------------|--------------|-----------------|----------|
|            | d <sub>h</sub>  | d   | l  | l <sub>g</sub> |               |              |                 |          |
| CSA5.0X35T | 8.3             | 5.0 | 35 | 29             | 25            | 1500         | 2500-4000       | ✓        |
| CSA5.0X40T | 8.3             | 5.0 | 40 | 34             | 25            | 1500         | 2500-4000       | ✓        |
| CSA5.0X50T | 8.3             | 5.0 | 50 | 34             | 25            | 1000         | 2500-4000       | ✓        |



### CSA-ZT Impreg®+ Coating

| Model No.   | Dimensions [mm] |     |    |                | Qty per Strip | Qty per Pack | Recommended RPM | QDBPC50E |
|-------------|-----------------|-----|----|----------------|---------------|--------------|-----------------|----------|
|             | d <sub>h</sub>  | d   | l  | l <sub>g</sub> |               |              |                 |          |
| CSA5.0X35ZT | 8.3             | 5.0 | 35 | 29             | 25            | 1500         | 2500-4000       | ✓        |
| CSA5.0X40ZT | 8.3             | 5.0 | 40 | 34             | 25            | 1500         | 2500-4000       | ✓        |



### CSA-ST Stainless Steel A4

| Model No.   | Dimensions [mm] |     |    |                | Qty per Strip | Qty per Pack | Recommended RPM | QDBPC50E |
|-------------|-----------------|-----|----|----------------|---------------|--------------|-----------------|----------|
|             | d <sub>h</sub>  | d   | l  | l <sub>g</sub> |               |              |                 |          |
| CSA5.0X35ST | 8.3             | 5.0 | 35 | 29             | 25            | 1500         | 2500-4000       | ✓        |
| CSA5.0X40ST | 8.3             | 5.0 | 40 | 34             | 25            | 1500         | 2500-4000       | ✓        |



## Quik Drive®

The **QDBPC50E** attachment is designed to install CSA-T connector screws. The point of the screws extend beyond the nose piece making it easy to locate in the holes of the connectors. The slim design of the nose piece makes it possible to get closer in to the corners during the installation of screws.

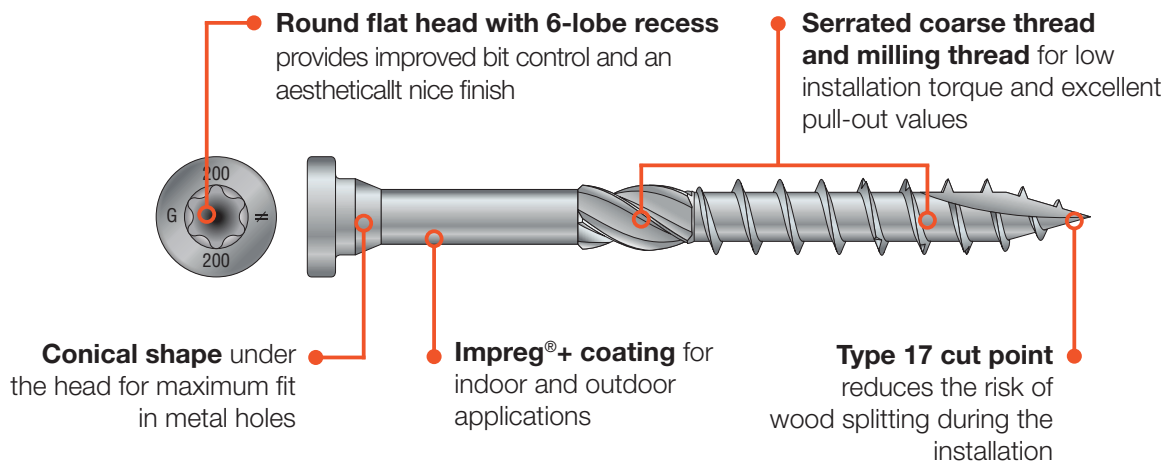




**Solid-Drive™****SSF Flat Round Head CONNECTOR Screw**

The Solid-Drive™ SSF is used together with connectors where high load capability is required. The conical shape under the head makes a perfect fitting to the connector hole, creating a firm assembly. Suitable for exterior use.

The cut point type 17 prevents cracking, and the milling thread and serrated thread reduce the insertion torque. SSF has a round flat head with 6 lobe drive, creating an aesthetically improved end-result.

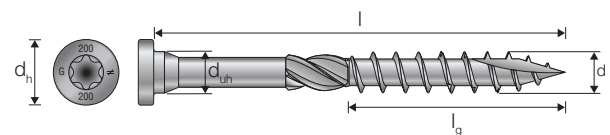
**Features:**

The flat head is designed to ensure aesthetically nice and presentable connector installations.

FT = Full Thread

PT = Partial Thread

PTM = Partial Thread with Milling Thread

**SSF Impreg®+ Coating**

| Model No.  | Item code | Dimensions [mm]     |    |                |                | Thread | Bit  |    |
|------------|-----------|---------------------|----|----------------|----------------|--------|------|----|
|            |           | d / d <sub>uh</sub> | l  | d <sub>h</sub> | l <sub>g</sub> |        |      |    |
| SSF8.0X40  | 75185     | 8.0                 | 40 | 13             | Full thread    | FT     | T-40 | 50 |
| SSF8.0X60  | 75186     | 8.0                 | 60 | 13             | 42             | PT     | T-40 | 50 |
| SSF8.0X80  | 75187     | 8.0                 | 80 | 13             | 42             | PTM    | T-40 | 50 |
| SSF10.0X40 | 75188     | 10.0                | 40 | 15             | Full thread    | FT     | T-40 | 50 |
| SSF10.0X60 | 75189     | 10.0                | 60 | 15             | 42             | PT     | T-40 | 50 |
| SSF10.0X80 | 75190     | 10.0                | 80 | 15             | 42             | PTM    | T-40 | 50 |

For additional technical data, such as load-bearing capacities, installation data and more, visit our website [www.strongtie.eu](http://www.strongtie.eu).

## The strength of the system

## Solid-Drive™ SSH Hex-Head CONNECTOR Screw

The Solid-Drive® SSH hex-head screw is a structural fastener designed for cross-laminated timber (CLT), glulam construction and general metal-to-wood applications.

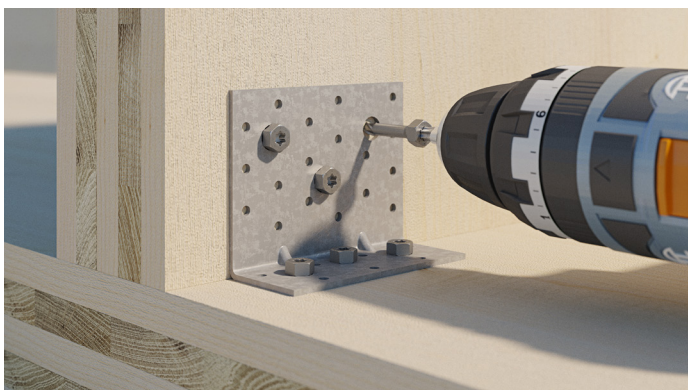
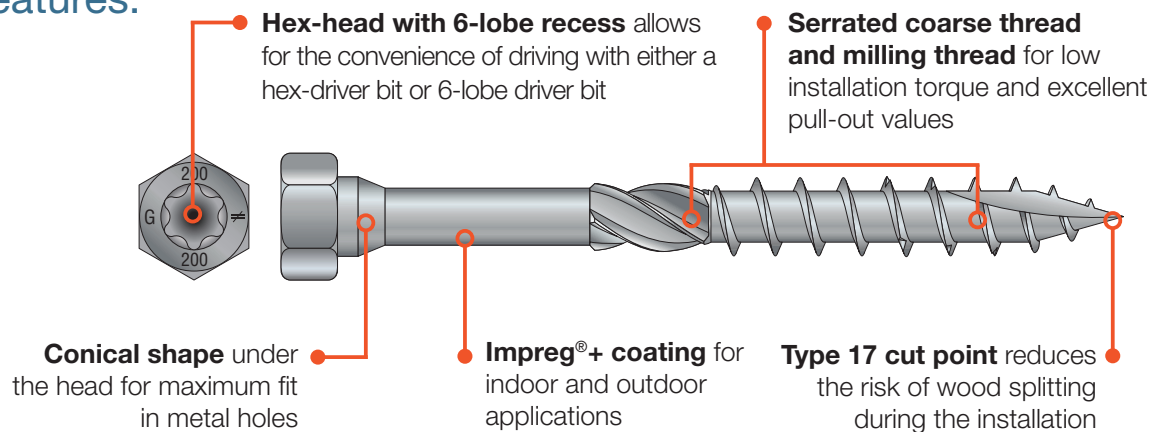
These partially-threaded, sturdy 6.0, 8.0, 10.0 and 12.0 diameter (mm) structural fasteners are designed to provide excellent connection strength, especially when connecting steel plate or angle connectors to wood. The unique head combining Hex and torx allows for the convenience of driving with either a hex-driver bit or 6-lobe driver bit. The SSH screw has an exterior grade Impreg®+ coating, a

robust knurled shank and type-17 point for fast starts and low-torque driving. The SSH screws are designed for indoor and outdoor applications.

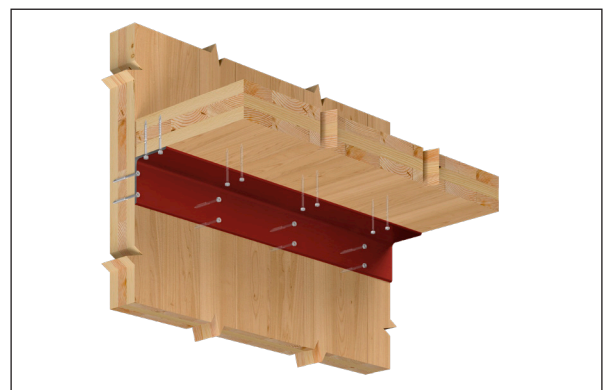
### A great alternative to lag screws

SSH is a great alternative to lag screws and provide up to 20% higher load bearing capacities. The combination of hexagon and torx in the head ensures a better grip and compared to lag screws they have a much lower insertion torque. Also, no pre-drilling is needed and the cut point prevents the wood from splitting.

### Features:



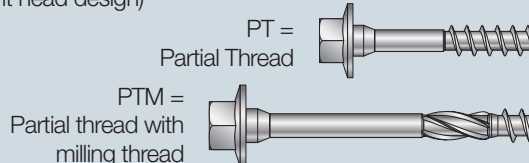
SSH HEX-HEAD screw installed into an AE116 angle bracket



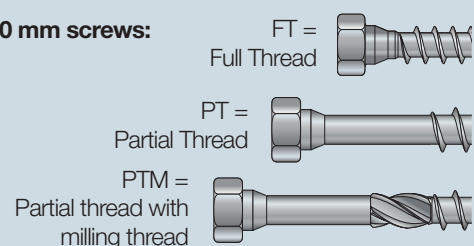
SSH HEX-HEAD screws installed into a CLT bracket assembly (third party steel design)

#### 6.0 mm screws:

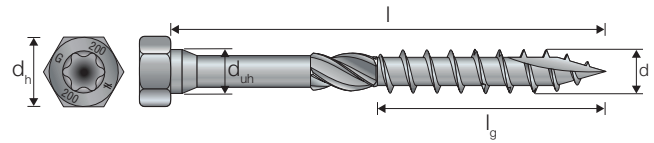
(Different head design)



#### 8.0-12.0 mm screws:







## SSH Impreg®+ Coating

| Model No.   | Item code | Dimensions [mm]     |     |                |                | Thread | Bit          |     |
|-------------|-----------|---------------------|-----|----------------|----------------|--------|--------------|-----|
|             |           | d / d <sub>uh</sub> | l   | d <sub>h</sub> | l <sub>g</sub> |        |              |     |
| SSH6.0X40   | 75128     | 6.0                 | 40  | 10             | 23             | PT     | T-30 / SW-10 | 100 |
| SSH6.0X50   | 75129     | 6.0                 | 50  | 10             | 33             | PT     | T-30 / SW-10 | 100 |
| SSH6.0X60   | 75130     | 6.0                 | 60  | 10             | 42             | PT     | T-30 / SW-10 | 100 |
| SSH6.0X75   | 75131     | 6.0                 | 75  | 10             | 42             | PTM    | T-30 / SW-10 | 100 |
| SSH6.0X90   | 75132     | 6.0                 | 90  | 10             | 42             | PTM    | T-30 / SW-10 | 100 |
| SSH6.0X120  | 75133     | 6.0                 | 120 | 10             | 75             | PTM    | T-30 / SW-10 | 100 |
| SSH8.0X40   | 75134     | 8.0                 | 40  | 13             | Full thread    | FT     | T-40 / SW-13 | 50  |
| SSH8.0X50   | 75135     | 8.0                 | 50  | 13             | Full thread    | FT     | T-40 / SW-13 | 50  |
| SSH8.0X60   | 75136     | 8.0                 | 60  | 13             | 42             | PT     | T-40 / SW-13 | 50  |
| SSH8.0X80   | 75137     | 8.0                 | 80  | 13             | 42             | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X90   | 75138     | 8.0                 | 90  | 13             | 42             | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X100  | 75139     | 8.0                 | 100 | 13             | 55             | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X120  | 75140     | 8.0                 | 120 | 13             | 85             | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X140  | 75141     | 8.0                 | 140 | 13             | 85             | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X160  | 75142     | 8.0                 | 160 | 13             | 110            | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X180  | 75143     | 8.0                 | 180 | 13             | 110            | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X200  | 75144     | 8.0                 | 200 | 13             | 110            | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X240  | 75145     | 8.0                 | 240 | 13             | 110            | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X260  | 75146     | 8.0                 | 260 | 13             | 110            | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X280  | 75147     | 8.0                 | 280 | 13             | 110            | PTM    | T-40 / SW-13 | 50  |
| SSH8.0X300  | 75148     | 8.0                 | 300 | 13             | 110            | PTM    | T-40 / SW-13 | 50  |
| SSH10.0X40  | 75149     | 10.0                | 40  | 15             | Full thread    | FT     | T-40 / SW-15 | 50  |
| SSH10.0X50  | 75150     | 10.0                | 50  | 15             | Full thread    | FT     | T-40 / SW-15 | 50  |
| SSH10.0X60  | 75151     | 10.0                | 60  | 15             | 42             | PT     | T-40 / SW-15 | 50  |
| SSH10.0X80  | 75152     | 10.0                | 80  | 15             | 42             | PTM    | T-40 / SW-15 | 50  |
| SSH10.0X90  | 75153     | 10.0                | 90  | 15             | 42             | PTM    | T-40 / SW-15 | 50  |
| SSH10.0X100 | 75154     | 10.0                | 100 | 15             | 55             | PTM    | T-40 / SW-15 | 50  |
| SSH10.0X120 | 75155     | 10.0                | 120 | 15             | 85             | PTM    | T-40 / SW-15 | 50  |
| SSH10.0X140 | 75156     | 10.0                | 140 | 15             | 85             | PTM    | T-40 / SW-15 | 50  |
| SSH10.0X160 | 75157     | 10.0                | 160 | 15             | 110            | PTM    | T-40 / SW-15 | 50  |
| SSH10.0X180 | 75158     | 10.0                | 180 | 15             | 110            | PTM    | T-40 / SW-15 | 50  |
| SSH10.0X200 | 75159     | 10.0                | 200 | 15             | 110            | PTM    | T-40 / SW-15 | 50  |
| SSH10.0X240 | 75160     | 10.0                | 240 | 15             | 125            | PTM    | T-40 / SW-15 | 50  |
| SSH10.0X280 | 75161     | 10.0                | 280 | 15             | 125            | PTM    | T-40 / SW-15 | 50  |
| SSH12.0X60  | 75162     | 12.0                | 60  | 17             | Full thread    | FT     | T-40 / SW-17 | 25  |
| SSH12.0X80  | 75163     | 12.0                | 80  | 17             | 42             | PTM    | T-40 / SW-17 | 25  |
| SSH12.0X90  | 75164     | 12.0                | 90  | 17             | 42             | PTM    | T-40 / SW-17 | 25  |
| SSH12.0X100 | 75165     | 12.0                | 100 | 17             | 55             | PTM    | T-40 / SW-17 | 25  |
| SSH12.0X120 | 75166     | 12.0                | 120 | 17             | 85             | PTM    | T-40 / SW-17 | 25  |
| SSH12.0X140 | 75167     | 12.0                | 140 | 17             | 85             | PTM    | T-40 / SW-17 | 25  |
| SSH12.0X160 | 75168     | 12.0                | 160 | 17             | 110            | PTM    | T-40 / SW-17 | 25  |
| SSH12.0X180 | 75169     | 12.0                | 180 | 17             | 110            | PTM    | T-40 / SW-17 | 25  |
| SSH12.0X200 | 75170     | 12.0                | 200 | 17             | 110            | PTM    | T-40 / SW-17 | 25  |

## Solid-Drive™ CNA CONNECTOR Nail

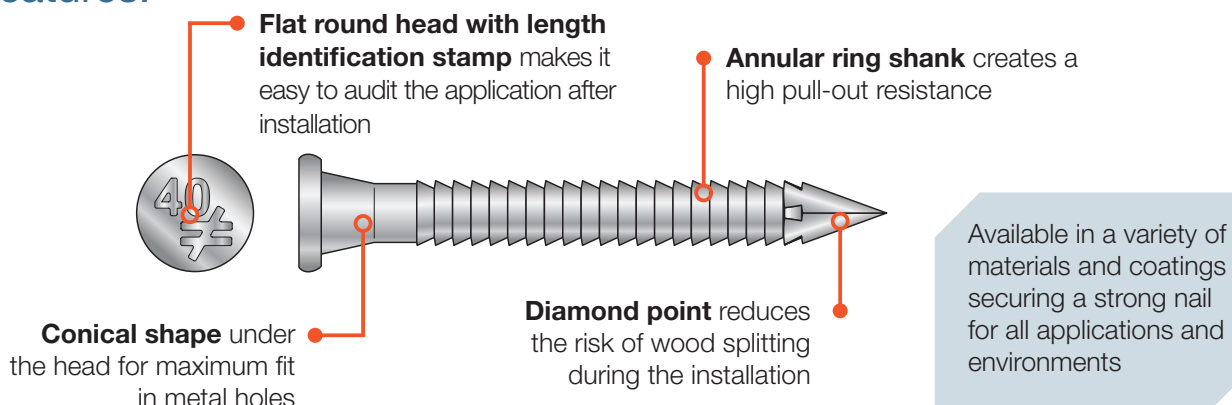
The Solid-Drive™ CNA connector nail, which is supplied in many different lengths and sizes, loose and collated, is a fully documented ETA-approved fastener used for installing Simpson Strong-Tie® connectors to wood.

When CNA nails are used to install Simpson Strong-Tie® connectors, the load-bearing capacities published in our catalogues and on our website are valid.

### Benefits:

- ETA-approved
- High pull-out resistance
- Length identification on head makes it easy to audit after installation

### Features:



ABR9020 reinforced angle bracket installed with CNA4.0X50 connector nails.

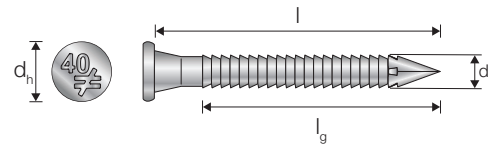


Stamps on the connectors together with the stamps on the head of the nails makes it easy to audit the installations afterwards.





## CNA Electro Galvanised



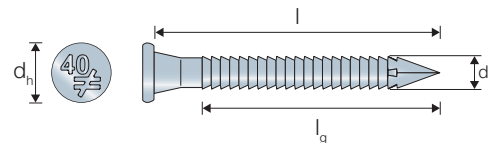
| Model No.    | Dimensions [mm] |     |                |                |      |
|--------------|-----------------|-----|----------------|----------------|------|
|              | d               | l   | d <sub>h</sub> | l <sub>g</sub> |      |
| CNA3.1X40**  | 3.1             | 40  | 6.2            | 30             | 500  |
| CNA3.1X60**  | 3.1             | 60  | 6.2            | 50             | 250  |
| CNA3.7X50**  | 3.7             | 50  | 7.4            | 40             | 250  |
| CNA4.0X35*   | 4.0             | 35  | 7.0            | 26             | 250  |
| CNA4.0X35-HV | 4.0             | 35  | 7.0            | 26             | 1500 |
| CNA4.0x40*   | 4.0             | 40  | 7.0            | 31             | 250  |
| CNA4.0X40-FR | 4.0             | 40  | 7.0            | 31             | 1500 |
| CNA4.0X50*   | 4.0             | 50  | 7.0            | 41             | 250  |
| CNA4.0X50-HV | 4.0             | 50  | 7.0            | 41             | 1500 |
| CNA4.0X60*   | 4.0             | 60  | 7.0            | 51             | 250  |
| CNA4.0X60-HV | 4.0             | 60  | 7.0            | 51             | 1000 |
| CNA4.0X75    | 4.0             | 75  | 7.0            | 66             | 250  |
| CNA4.0X75-HV | 4.0             | 75  | 7.0            | 66             | 1000 |
| CNA4.0X100   | 4.0             | 100 | 7.0            | 70             | 100  |
| CNA6.0X60**  | 6.0             | 60  | 12.0           | 50             | 100  |
| CNA6.0X80**  | 6.0             | 80  | 12.0           | 70             | 100  |
| CNA6.0X100** | 6.0             | 100 | 12.0           | 70             | 100  |

\* Available as a collated nail for standard pneumatic tools. See more on the following pages.

\*\* No length identification on head stamp



## CNA-G Hot Dip Galvanised

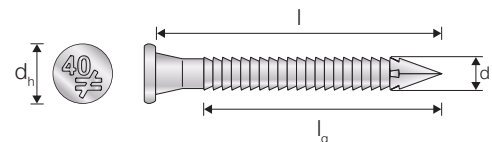


| Model No.   | Dimensions [mm] |    |                |                |     |
|-------------|-----------------|----|----------------|----------------|-----|
|             | d               | l  | d <sub>h</sub> | l <sub>g</sub> |     |
| CNA4.0X40G* | 4.0             | 40 | 7.0            | 30             | 250 |

\* Available as a collated nail for standard pneumatic tools. See more on the following pages.



## CNA-S Stainless Steel A4



| Model No.     | Dimensions [mm] |    |                |                |      |
|---------------|-----------------|----|----------------|----------------|------|
|               | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |
| CNA4.0X35S    | 4.0             | 35 | 7.0            | 25             | 250  |
| CNA4.0X35S-HV | 4.0             | 35 | 7.0            | 25             | 1500 |
| CNA4.0X40S    | 4.0             | 40 | 7.0            | 30             | 250  |
| CNA4.0X50S    | 4.0             | 50 | 7.0            | 40             | 250  |
| CNA4.0X50S-HV | 4.0             | 50 | 7.0            | 40             | 1500 |
| CNA4.0X60S    | 4.0             | 60 | 7.0            | 50             | 250  |
| CNA6.0X60S    | 6.0             | 60 | 12.0           | 50             | 100  |

For additional technical data, such as load-bearing capacities, installation data and more, visit our website [www.strongtie.eu](http://www.strongtie.eu).

**Solid-Drive™****34° CNA CONNECTOR Nail, Paper Strip**

The 34° paper strip collated Solid-Drive™ CNA nails are specifically designed for use in Simpson Strong-Tie® connectors. The geometry and tolerances are specified in order to achieve the published connector loads.

**Features:**

- Conical shape under head designed for connectors
- Round head
- Annular ring thread
- Diamond point

**Suitable for:**

- Connectors to wood

**Compatible tools:**

**Tjep®** KA 4060 GAS 2G\*, KA 4060 GAS 3G\*, KA 2\*, KA 1\*/\*\*, KA 1L\*\*\*, KA 4060 GAS\*

**Senco®** GT60NN\*, MC60\*

**BEA®** R60-664E\*

**Paslode®** PPN50i\*\*, F 250 S PP\*, PSN50NP\*

**Basso®** A34/50MC-A\*/\*\*, PN34/50-A1\*/\*\*

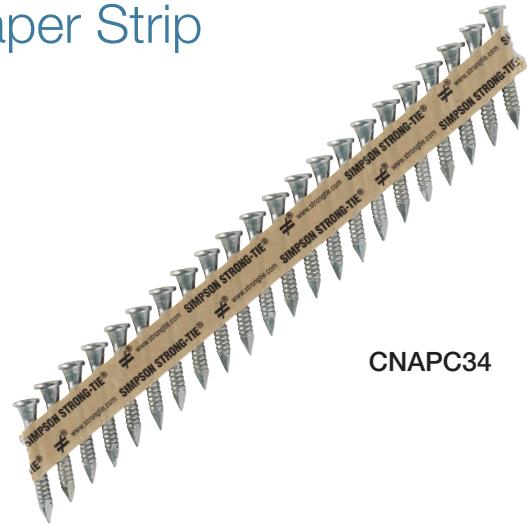
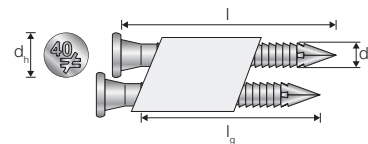
**Montana®** PN34-50A1\*/\*\*

**Essve®** MCN 34/50\*/\*\*

For exact nail length and diameter, see the product description for the tool.

\*Not compatible with 35mm nails

\*\*Not compatible with 60mm nails

**CNAPC34****CNAPC34 Electro Galvanised**

| Model No.      | Dimensions [mm] |    |                |                |      |
|----------------|-----------------|----|----------------|----------------|------|
|                | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |
| CNA4.0X35PC34* | 4.0             | 35 | 7.0            | 26             | 1500 |
| CNA4.0X40PC34  | 4.0             | 40 | 7.0            | 31             | 1500 |
| CNA4.0X50PC34  | 4.0             | 50 | 7.0            | 41             | 1000 |
| CNA4.0X60PC34  | 4.0             | 60 | 7.0            | 51             | 1000 |

For additional technical data, such as load-bearing capacities, installation data and more, visit our website [www.strongtie.eu](http://www.strongtie.eu).



**Solid-Drive™****34° CNA CONNECTOR Nail, Plastic Strip**

The 34° plastic strip collated Solid-Drive™ CNA nails are specifically designed for use in Simpson Strong-Tie® connectors. The geometry and tolerances are specified in order to achieve the published connector loads.

**Features:**

- Conical shape under head designed for connectors
- Round head
- Annular ring thread
- Diamond point

**Suitable for:**

- Connectors to wood

**Compatible tools:**

**Tjep®** KA 4060 GAS 2G, KA 4060 GAS 3G, KA 2, KA 1, KA 1L, KA 4060 GAS

**Senco®** GT60NN, MC60

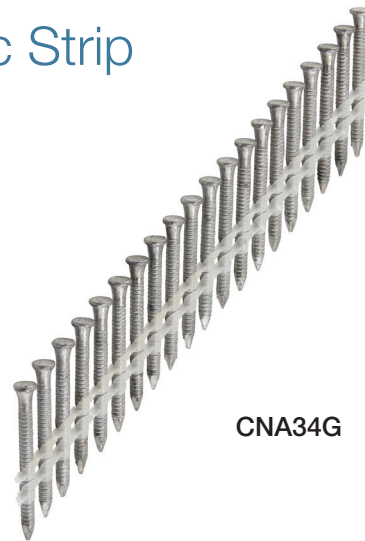
**Paslode®** F 250 S PP, PSN50NP

**Basso®** A34/50MC-A, PN34-50-A1

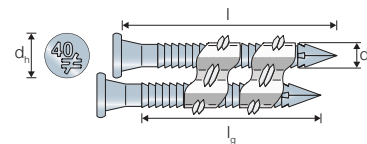
**Montana®** PN34-50A

**Essve®** MCN 34/50

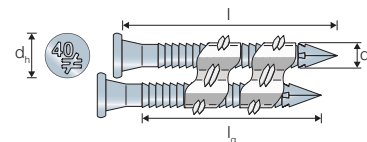
For exact nail length and diameter, see the product description for the tool.

**CNA34G****CNA34Z Electro Galvanised**

| Model No.    | Item code | Dimensions [mm] |    |                |                |      |
|--------------|-----------|-----------------|----|----------------|----------------|------|
|              |           | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |
| CNA34G4.0X40 | 76166     | 4.0             | 40 | 7.0            | 30             | 1000 |
| CNA34G4.0X50 | 76167     | 4.0             | 50 | 7.0            | 40             | 1000 |

**CNA34G Hot Dip Galvanised**

| Model No.    | Item code | Dimensions [mm] |    |                |                |      |
|--------------|-----------|-----------------|----|----------------|----------------|------|
|              |           | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |
| CNA34G4.0X40 | 75652     | 4.0             | 40 | 7.0            | 30             | 1000 |
| CNA34G4.0X50 | 75653     | 4.0             | 50 | 7.0            | 40             | 1000 |



For additional technical data, such as load-bearing capacities, installation data and more, visit our website [www.strongtie.eu](http://www.strongtie.eu).

## Solid-Drive™ 15/16° CNA CONNECTOR Nail, Plastic Coil

The 15/16° plastic coil collated Solid-Drive™ CNA nails are specifically designed for use in Simpson Strong-Tie® connectors. The geometry and tolerances are specified in order to achieve the published connector loads.

### Features:

- Conical shape under head designed for connectors
- Round head
- Annular ring thread
- Diamond point

### Suitable for:

- Connectors to wood

### Compatible tools:

**Tjep®** BC 60

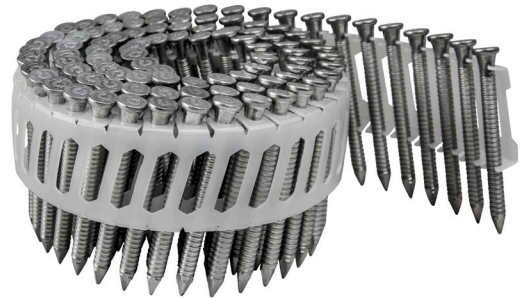
**BEA®** AN 560 TC

**Basso®** C33/65MC-A1

**MAX®** HN65J

**Montana®** CNP33-65MC

For exact nail length and diameter, see the product description for the tool.

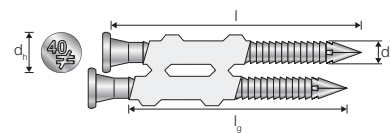


CNAC34



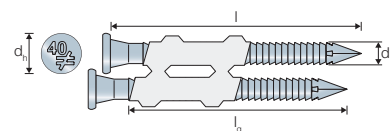
### CNAC15 Electro Galvanised

| Model No.     | Item code | Dimensions [mm] |    |                |                |      |
|---------------|-----------|-----------------|----|----------------|----------------|------|
|               |           | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |
| CNAC15Z4.0X40 | 76138     | 4.0             | 40 | 7.0            | 31             | 1200 |
| CNAC15Z4.0X50 | 76139     | 4.0             | 50 | 7.0            | 41             | 1200 |
| CNAC15Z4.0X60 | 76140     | 4.0             | 60 | 7.0            | 51             | 1200 |



### CNAC15-G Hot Dip Galvanised

| Model No.     | Item code | Dimensions [mm] |    |                |                |      |
|---------------|-----------|-----------------|----|----------------|----------------|------|
|               |           | d               | l  | d <sub>h</sub> | l <sub>g</sub> |      |
| CNAC15G4.0X40 | 76142     | 4.0             | 40 | 7.0            | 31             | 1200 |
| CNAC15G4.0X50 | 76143     | 4.0             | 50 | 7.0            | 41             | 1200 |
| CNAC15G4.0X60 | 76144     | 4.0             | 60 | 7.0            | 51             | 1200 |



For additional technical data, such as load-bearing capacities, installation data and more, visit our website [www.strongtie.eu](http://www.strongtie.eu).



## N3.75 SQUARE TWIST Nail

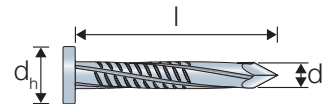
Tested and approved for use when installing Simpson Strong-Tie joist hangers, brackets and straps.

### Features:

- Square twist profile

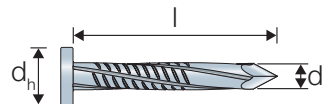
### Application:

- Connectors to wood



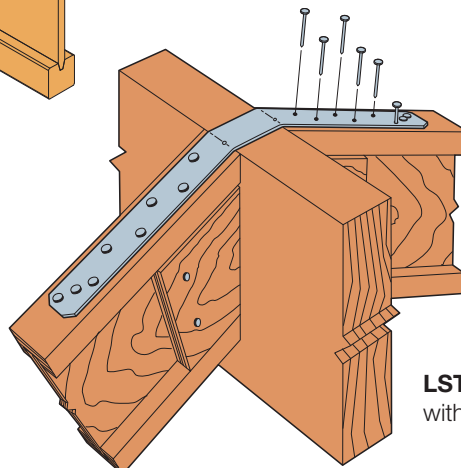
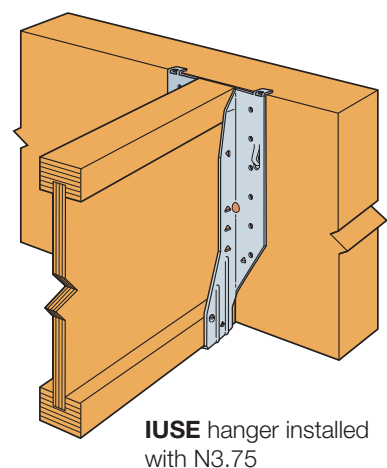
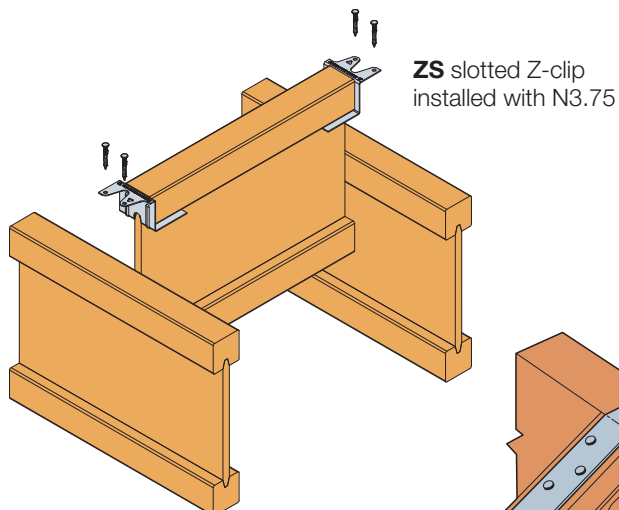
### N3.75-SH Sheradised

| Model No.        | Dimensions [mm] |    |                |      |
|------------------|-----------------|----|----------------|------|
|                  | d               | l  | d <sub>h</sub> |      |
| N3.75X30SH/1KG   | 3.75            | 30 | 8.0            | 370  |
| N3.75X30SH/2.5KG | 3.75            | 30 | 8.0            | 925  |
| N3.75X30SH/5KG   | 3.75            | 30 | 8.0            | 1850 |
| N3.75X30SH/25KG  | 3.75            | 30 | 8.0            | 9250 |



### N3.75-G Hot Dip Galvanised

| Model No.       | Dimensions [mm] |    |                |      |
|-----------------|-----------------|----|----------------|------|
|                 | d               | l  | d <sub>h</sub> |      |
| N3.75X30G/1KG   | 3.75            | 30 | 8.0            | 350  |
| N3.75X30G/2.5KG | 3.75            | 30 | 8.0            | 880  |
| N3.75X30G/5KG   | 3.75            | 30 | 8.0            | 1760 |
| N3.75X30G/25KG  | 3.75            | 30 | 8.0            | 8780 |



## See our full range of fasteners in our **Premium Fasteners** catalogue and online.

We've got all the Premium Fastening systems you need to guarantee long-term performance and safety, whether you're fastening connectors, structural timber, cross laminated timber, flooring, roofing or cladding. For high-volume, repetitive fastening, the Quik Drive® auto-feed screw systems are designed to save time and money.

Designed to meet the needs of building professionals across the construction industry, the new Premium Fasteners Catalogue is packed full of technical information and installation advice, to help you build safer, stronger structures.

### The catalogue includes:

- Fastener application guide
- A wide variety of screws and nails for many applications
- Collated nails and screws
- Quik Drive® auto-feed screw systems



## Experience our range of fasteners and connectors for **CLT Construction**.

Simpson Strong-Tie®, a leader in engineered structural connectors, fasteners and building solutions, has launched a comprehensive offering of regulated and quality tested connectors and fasteners to serve the growing demand for CLT construction in our Connector and Fasteners for CLT Construction Catalogue.

Backed by a robust product range and distribution system, along with first-rate service, support, and training, the collection of versatile, high-performance products will allow for design flexibility while enabling CLT projects to be built stronger, safer, and more easily than ever.

### The catalogue includes:

- General educational information about the topic of CLT
- CLT application guide
- High-strength connectors designed specifically for CLT structures
- Structural screws chapter with all relevant information about using screws in CLT structures



## A strong product offering deserves a strong IN-STORE product presentation

At Simpson Strong-Tie® we have created an in-store point-of-sales concept that can be modified and adapted to each individual store. Our high-quality packaging ensures a visually appealing display and the product labels together with tailor-made shelf-front information and signage helps customers find what they are looking for.

Give your local Simpson Strong-Tie® sales rep a call today, so that you can improve both your connector fastening product offering, as well as receive improved in-store point-of-sales materials.

### Our offering includes:

- A wide range of products developed specifically for installing Simpson Strong-Tie® connectors to wood
- FSC-certified heavy-duty packaging
- Shelf-markers that help provide a good overview of the products
- Backcards and additional signage

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Backcards



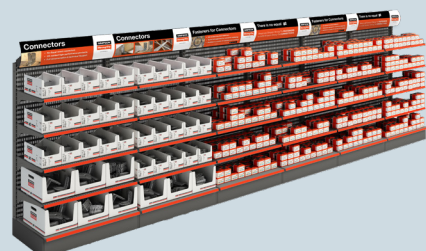
Shelf-markers



Heavy-duty packaging

## We recommend

Place your 'connector fastening' display next to your Simpson Strong-Tie® connectors. In that way, you ensure that customers are reminded to buy the correct connector fastening products for their projects.

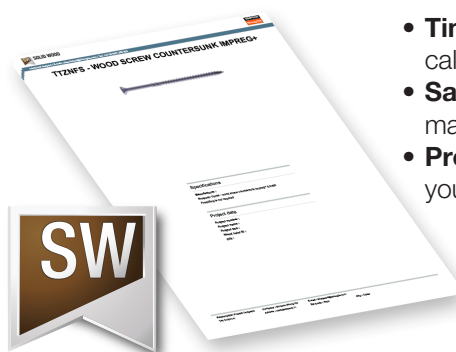






# Solid Wood The professional structural fastening solutions software

In just four simple steps, Solid Wood helps you to calculate and find fastening solutions suitable for your timber connections according to Eurocode 5 (EN 1995-1-1). The specifications can be printed and used as documentation in your projects.



- **Time saving** - Quicker and easier than doing manual calculations
- **Safety** - Removes your doubt in the precision of your manual calculations
- **Product guide** - Helps you find the correct product for your application

The software generates a PDF-report that can be used as documentation for the project.

