

Technical data sheet

SIMPSON

Strong-Tie

CSA

CSA Connector Screw

CSA connector screw is developed for installing Simpson Strong-Tie connectors to timber, in order to obtain the published load bearing capacities. The conical shape under the head ensures a full contact with 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.

[Find it in the Solid Wood Application >](#)

Features

Material

- Steel - Electro galvanised coating

Features

- ETA approved (ETA-04/0013)
- 6 lobe drive
- Conical shape under the head for secure fit in connector holes
- Type 17 point to prevent splitting of timber

Applications

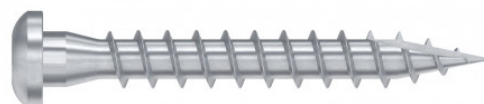
Suitable On

- **Supporting / Supported member:** solid wood, composite lumber, glued-laminated wood.

Common Applications

Fixing connectors to timber:

- Joist hangers
- Angle brackets
- Straps



CSA skruer

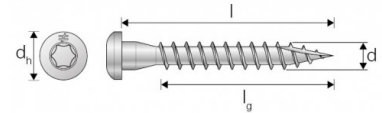
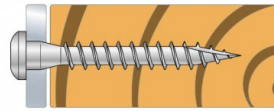


QDBPC50E

CSA
CSA Connector Screw

Technical Data

Product Dimensions



References	Fastener dimensions [mm]					Driver Bit	Box Quantity	Stocked in UK
	l	lg	d ₁	d	d _h			
CSA4.0X30	30	24	2.5	3.95	7.3	T-15	250	Yes
CSA5.0X25	25	19	3.15	4.85	8.3	T-20	250	Yes
CSA5.0X35	35	29	3.15	4.85	8.3	T-20	250	Yes
CSA5.0X40	40	34	3.15	4.85	8.3	T-20	250	Yes
CSA5.0X50	50	44	3.15	4.85	8.3	T-20	250	Yes

Capacities are given for 2 mm steel plate thickness and C24 timber. To determine the capacities for other steel thickness and / or timber grades, please refer to ETA-04/0013.

Performance values based upon timber density of 350 kg/m³

Characteristic Capacities

References	Characteristic Capacities [kN]	
	R _{ax,k}	R _{lat,k}
CSA4.0X30	1.28	1.36
CSA5.0X25	1.38	1.49
CSA5.0X35	2.11	1.99
CSA5.0X40	2.47	2.25
CSA5.0X50	3.2	2.63

Characteristic Capacities - used in Timber C24, for other material please refer to ETA-04/0013

R_{ax} = axial withdrawal capacity

R_{lat} = lateral capacity

