

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

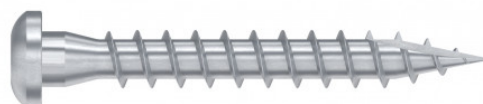
Suitable On

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

Common Applications

Fixing connectors to timber:

- Joist hangers
- Angle brackets
- Straps



CSA skruer

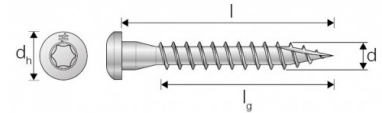
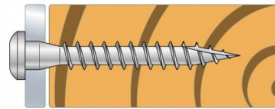


QDBPC50E

CSA
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Technical Data

Product Dimensions



References	Fastener dimensions [mm]					Driver Bit	Box Quantity	Outerbox	Stocked in UK	Weight [kg]	test
	l	l _g	d ₁	d	d _h						test1
CSA4.0X30	30	24	2.5	3.95	7.3	T-15	250	-	Yes	0.003	-
CSA5.0X25	25	19	3.15	4.85	8.3	T-20	250	2000	Yes	0.002	-
CSA5.0X35	35	29	3.15	4.85	8.3	T-20	250	2000	Yes	0.004	-
CSA5.0X40	40	34	3.15	4.85	8.3	T-20	250	2000	Yes	0.004	-
CSA5.0X50	50	44	3.15	4.85	8.3	T-20	250	2000	Yes	0.005	-
CSA5.0X80	80	74	3.15	4.85	8.3	T-20	200	2000	-	0.008	-

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
CSA5.0X80	5.38	3.5

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

R_{ax} = axial withdrawal capacity

R_{lat} = lateral capacity

