

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.



[ETA-04/0013](#), [UK-DoP-e04/0013](#)



FEATURES



Material

- Steel - Electro galvanised coating

Screwing

- 20 Torx bit.

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.

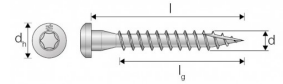
Common Applications

Fixing connectors to timber:

- Joist hangers
- Angle brackets
- Straps

TECHNICAL DATA

Product Dimensions and Performance



References	Fastener dimensions [mm]					Characteristic Capacities - Timber C24 acc to ETA-04/0013 [kN]			
	l	l _g	d ₁	d	d _h	Characteristic Lateral Capacities F _{lat,k} [kN] / Material Thickness [mm] [kN]			R _{ax,k} [kN]
						1.2mm	1.5 to 2.0mm	2.5 to 4.0mm	
CSA4,0x30	30	24	2.5	3.95	7.3	1.4	1.4	1.3	1.3
CSA5,0X25	25	19	3.15	4.85	8.3	1.5	1.5	1.5	1.4
CSA5,0X35	35	29	3.15	4.85	8.3	2	2	1.9	2.1
CSA5,0X40	40	34	3.15	4.85	8.3	2.3	2.3	2.2	2.5
CSA5,0X50	50	44	3.15	4.85	8.3	2.6	2.6	2.6	3.2

Capacities are given for 2mm 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

