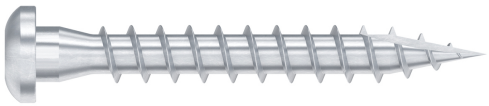
Technical Sheet

CSA-S

Screws for Torx head connectors - Stainless steel

CSA-S connector screw is made from A4 marine grade stainless steel. It was developed for installing Simpson Strong-Tie stainless steel 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.



Features

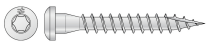
Material

- A4 stainless steel

Features

- ETA approved (ETA-04/0013)
- T-20 6 lobe drive
- Conical shape under the head for secure fit in connector holes
- Type 17 point to prevent splitting of timber
- 250 screws per box



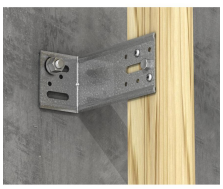




Connect timber battens.







Connect timber battens.

Applications

Suitable On

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

Common Applications

Fixing stainless steel connectors to timber

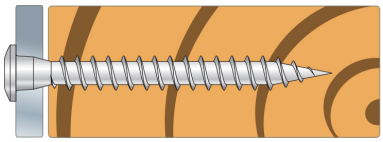
- Stainless steel joist hangers
- Stainless steel angle brackets
- Stainless steel straps

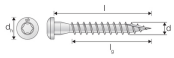
Technical Sheet

CSA-S

Screws for Torx head connectors - Stainless steel

Technical Data





Product Dimensions

Reference	Fasteners Dimensions									Screw Loads			
	Other			Product Dimensions[mm]						Product characteristic capacities - Timber to Timber C24[kN]			Characteristic capacities - Timber C24 acc to ETA-04/0013[kN]
	Stocked in UK	Qty/box	Weight[kg]	l[mm]	lg[mm]	d_1[mm]	d[mm]	d_h[mm]	bit[mm]	Characteristic lateral capacities Rlat,k/material thicknes[kN]			$R_{ax,k}$[kN]
										1.2mm	1.5 to 2.0mm	2.5 to 4.0mm	
CSA5.0X25S	1.5	250.0	0.002	25	19	3.15	4.85	8.3	T-20	1.5	1.5	1.4	Yes
CSA5.0X35S	2	250.0	0.004	35	29	3.15	4.85	8.3	T-20	2	1.9	2.1	Yes
CSA5.0X40S	2.3	250.0	0.004	40	34	3.15	4.85	8.3	T-20	2.3	2.2	2.5	Yes

Characteristic Capacities

Reference	Screw Loads
	Characteristic capacities - Timber C24 acc to ETA-04/0013[kN]
	$R_{lat,k}$
CSA5.0X25S	1.49
CSA5.0X35S	1.99
CSA5.0X40S	2.25

Characteristic Capacities - used in timber C24
R_{ax} = axial withdrawal capacity
R_{lat} = lateral capacity

CSA-S
Screws for Torx head connectors - Stainless steel

Options





Copyright by Simpson Strong-Tie®