**SIMPSON**
**Strong-Tie**

*The ICST is a product for connecting e.g. wall elements, mainly for prefabricated houses.*
*2 pairs have to be used as a minimum for general use.*

CE

SC 2

R 30

ETA

EZ
20 µm

INT

R 60

# Features

## Material

**2.0mm thick pre-galvanised mild steel, grade S250 with Z275 coating**

## Benefits

- To use two same pieces on both timber elements.
- Routing is necessary only on 1 side. It´s free to decide on which side it is.
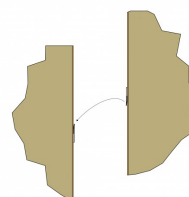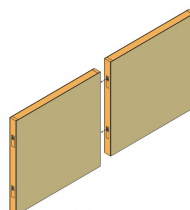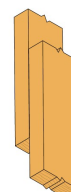- More than 2 pairs can be used for higher loads or from constructive reasons.
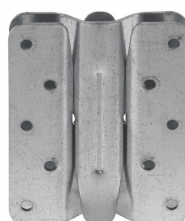
# Applications

## Support

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## Intended use

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*Two same parts*

*ICST face*

# Technical Data

## Product dimensions
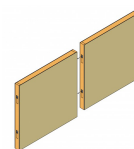
| Art. nr. | Dimensions [mm] | | | |
|---|---|---|---|---|
| | A | B | C | D |
| ICST | 78 | 100 | 15 | 2 |

## Characteristic Values
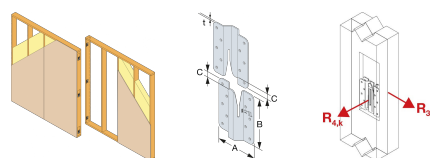
| Art. nr. | Dimensions [mm] | | | | Fasteners | | Product characteristic capacities - Timber C24 [kN] | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | Primary member | Secondary Member | $R_{3,k}$ | | $R_{4,k}$ | |
| | | | | | | | CNA4.0x50 | CNA4.0x60 | CNA4.0x50 | CNA4.0x60 |
| ICST | 78 | 100 | 15 | 2 | 10 | 10 | 14.8 | min (15,9 ;16,9/kmod) | 3.9 | 4.9 |

*$R_{lat,k}$ is the lateral capacity of the fasteners, $R_{ax,k}$ is the axial capacity of the fasteners, kmod is the modification factor for duration of load and moisture content.

# Technický list

## ICST
## Invisible connector for timber studs

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2024-05-04

# Installation

## Installation

**Routing is necessary on 1 side only. This routing should be 15 mm deep, 90 mm wide and 220 mm long as a minimum.**
**The distance between the ICST and the end of the timber elements should be 100 mm as a minimum.**
**ICST is composed of two parts, which will be face to face in final position.**
**The guiding central part of the connector facilitates the timber assembly.**
**The ICST is preconized in the case of "closed" walls (exterior and interior wall coverings installed).**

## Options

**Free for different slopes and skews, only the gap has to be in one plain.**
**It´s to check the mounting sequence of the wall elements, because for the mounting is always drop down one to the other element.**
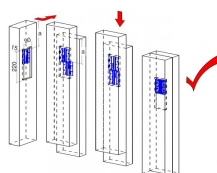


*1.*



*2.*



*3.*



*Installation sequence*

ICST
**Invisible connector for timber studs**

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