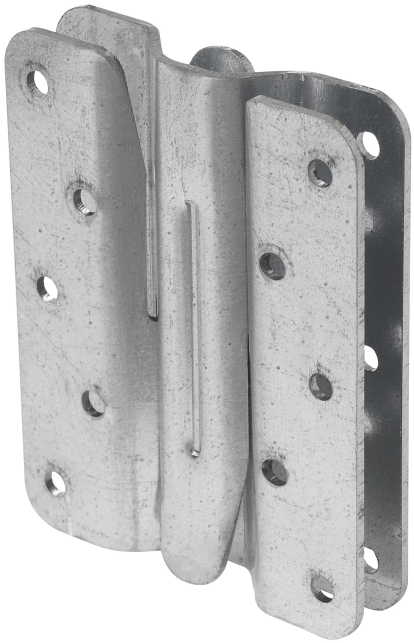
Technical Sheet

ICST
Invisible connector for timber studs

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.



Features

Material

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

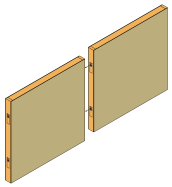
Benefits

- 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.

Technical Sheet

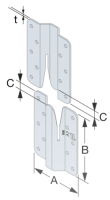
ICST
Invisible connector for timber studs

Technical Data



Product dimensions

Reference	Connector Dimensions						
	Other			Product Dimensions[mm]			
	Tun / DB nr.	Weight[kg]	NOB nr.	A[mm]	B[mm]	C[mm]	D[mm]
ICST	1862290	0.14	51165940	78	100	15	2



Characteristic Values

Characteristic Values
See full table online ➡️

Reference	Number of Fasteners					Product characteristic capacities - Timber C24[kN]					
	Primary member	S				R4,k				CNA4.0x50	CNA4.
ICST	10	10	11.2	11.9	14.8	min (15,9 ;16,9/kmod)	min (6,72*Rlat,k;16,9/kmod)*	2.4	2.9	3.9	4.9

Characteristic R3,k

Reference	Hanger capacity						
	Number of Fasteners		Product characteristic capacities - Timber C24[kN]				
	Primary member	Secondary Member	R4,k				
			CNA4.0x35	CNA4.0x40	CNA4.0x50	CNA4.0x60	Any nails/screws
ICST	10	10	2.4	2.9	3.9	4.9	min(4 x Rax,k;5.35/kmod)*

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.



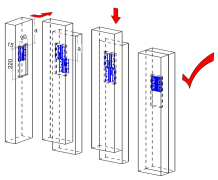
1.



2.



3.



Installation sequence



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