

Application

An innovative new backer free Joist Hanger that incorporates a number of unique design features. The TECO TIJ range of timber to timber hangers suit solid engineered wood products as well as I-Joists, and is engineered to combine maximum load carrying capacity, at minimum cost. Protected by Patent Pending and design registration, this unique new product is independently tested in accordance with ETAG 015 and has load capacities which are independently qualified.

The TIJ I Joist Hanger is available in 2 different types;

TIJ-F Face fix version without locators.

TIJ-T Top fix version without locators.

Features

- Qualified for use with various nail types.
- Requires less nails.
- Face fix or top fix design.
- Enhanced load carrying option.
- Can be used on solid EWP or I-Joists.

Specification

- 0.7mm pre galvanised mild steel
EN 10346 DX51D Z275.

Installation

- All standard round holes should be filled with either 2.65 x 40mm or 2.8 x 40mm or 3.4 x 35mm ring-shank nails or 3.75 x 30mm square twist nails.
- Fill Diamond shaped holes for enhanced installation to I-Joist with backer blocks or solid LVL or Glulam headers.



TIJ-F Face Fix Load Capacities															
Connection Type		Hanger Spec		Backerless Mode						Enhanced Nailing					
				Nail Quantities		Uplift (4 nails)		Down Load TIJ-F		Nail Quantities		Uplift (10 nails)		Down Load TIJ-F	
Joist Material	Header Material	Width Range (mm)	Depth Range (mm)	Top	Face	BS (Short term)	EC5 (f _k)	BS (Long term)	EC5 (f _k)	Top	Face	BS (Short term)	EC5 (f _k)	BS (Long term)	EC5 (f _k)
LVL or timber flange	I-Joist or solid EWP	38, 45, 50, 60, 63, 74, 90, 100	240 - 245	0	8	2.0kN	4.4kN	3.5kN	8.42kN	0	14	5.0kN	11.0kN	7.0kN	16.86kN

Notes

Hanger capacities apply equally to both timber or LVL flanged I-Joists and pertain to any of the following fixing nail specifications: 2.65 x 40mm or 2.8 x 40mm or 3.4 x 35mm ring-shank nails or 3.75 x 30mm square twist nails.

TIJ-T Top Fix Load Capacities															
Connection Type		Hanger Spec		Backerless Mode						Enhanced Nailing					
				Nail Quantities		Uplift (4 nails)		Down Load TIJ-T		Nail Quantities		Uplift (10 nails)		Down Load TIJ-T	
Joist Material	Header Material	Width Range (mm)	Depth Range (mm)	Top	Face	BS (Short term)	EC5 (f _k)	BS (Long term)	EC5 (f _k)	Top	Face	BS (Short term)	EC5 (f _k)	BS (Long term)	EC5 (f _k)
LVL or timber flange	I-Joist or solid EWP	38, 45, 50, 60, 63, 74, 90, 100	240 - 245	2	6	2.0kN	4.4kN	4.3kN	10.41kN	2	12	5.0kN	11.0kN	8.6kN	20.66kN

Notes

Hanger capacities apply equally to both timber or LVL flanged I-Joists and pertain to any of the following fixing nail specifications: 2.65 x 40mm or 2.8 x 40mm or 3.4 x 35mm ring-shank nails or 3.75 x 30mm square twist nails.

