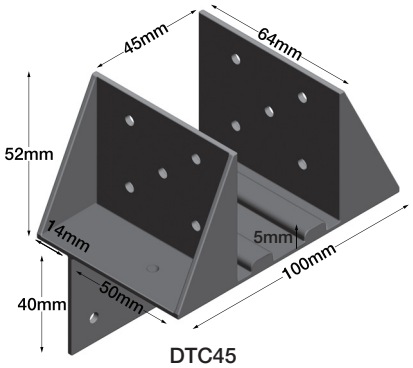
TECHNICAL DATA SHEET

DTC & JC — DOUBLE-TRIPLE CONNECTOR & JOIST CONNECTOR

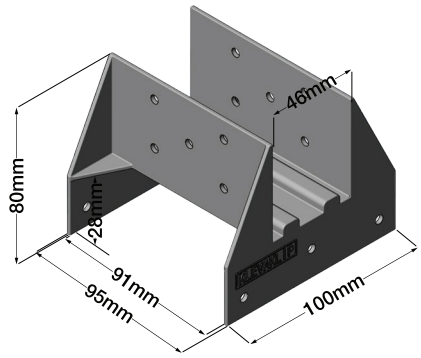
FREP (Fibre Reinforced Engineered Polymer) Double-Triple Connector & Joist Connector are corrosion-proof hangers which makes them an affordable alternative to stainless steel and is perfect for outdoor corrosive environments.

Features and Benefits

- Strong, good UV stability and paintable.
- Reduces potential splitting and internal moisture due to skew nailing.
- Ventilation ridges improve airflow to reduce moisture build-up.
- The Joist Connector allows fixing to and stabilizes both sides of your joists to your bearer.
- Will not rust – can be used in corrosive salt spray zones.
- Can be fixed with N8 Hot Dipped Galvanised or SSNA8 Stainless Steel collated or loose 38mm x 3.32mm connector nails or SD#9 Connector Screws.
- Aesthetic design for visually exposed decks or pergolas



DTC45



JC9045

Material:

- 2mm Fiber Reinforced Engineered Polymer.

Applications:

- DTC45 - To attach 45mm width joist to most size bearers
- JC9045 - To attach 45mm width joist to 90mm width bearer

Durability:

- UV-A FREP material has undergone 2000hr laboratory UV exposure testing compliant with ASTM D790, which includes maintaining a temperature of 60°C and high humidity. FREP Product Installed in an outdoor structure - limited warranty 25 years.

Technical Data

Model No.	Timber Joint Group	Fixing to Joist	Fixing to bearer	Design Capacity – Uplift
DTC45 / DTC45-R10*	JD5	(4) 3.32mm x 38mm nails	(2) 3.32mm x 38mm nails	1.0
JC9045 / JC9045-R24*	JD5	(4) 3.32mm x 38mm nails	(4) 3.32mm x 38mm nails	2.1

Notes - Design Capacity is the lesser of the hanger material capacity and nail capacity as per NZS AS1720.1 and AS1721.1 using a Capacity Factor of ϕ=0.8 and k1=1.0.

*Not available in New Zealand

Notes for Installation

- With JD5 timber, the maximum supported floor area is 1.2m^2. Based on a Live Load of 2kPa + Dead Load of 0.3kPa.
- FREP softening point is 180°C and melting point is 220°C.
- Use only 38mm x 3.32mm connector nails or SD9 #9 x 38mm connector screws in either galvanised or stainless steel.
- Span tables should be read in conjunction with timber span tables to ensure the size and grade of joist you use is adequate for the proposed span.
- To achieve the structural design capacity, it is essential to be installed in strict accordance with the fixing details provided.

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