

Fibreglass Dowels



Non-Corrosive, Lightweight Dowels for Durable Load Transfer

Danter's Fibreglass Dowels are crafted from Glass Fibre Reinforced Polymer (GFRP) to deliver a high-performance, corrosion-free solution for load transfer across concrete joints. Engineered without metal, they are non-magnetic and chemically resistant, making them ideal for harsh or sensitive environments, including coastal, chemical, and EMF-exposed areas.

Manufactured to ASTM D7913/7913M, these dowels combine lightweight handling with high tensile, shear, and adhesive strength. They are particularly suited for long-term durability in exposed or thermally sensitive concrete structures.

SPECIFICATIONS:

Property	Value
Material	Glass Fibre Reinforced Polymer (GFRP), ASTM
Profile	Round dowel bar
Diameter	Standard diameters available upon request
Length	Custom lengths up to 6000mm available
Tensile Strength	> 550 MPa
Shear Strength	> 180 MPa
Adhesive Bond	≥ 18 MPa
Magnetic Properties	Non-magnetic
Chemical Resistance	High – acid, alkali, salt
Thermal Conductivity	Low – provides insulation

Key Features & Benefits

- Manufactured to ASTM D7913/7913M
- Corrosion-free – ideal for water, salt, and chemical exposure
- Lightweight and easy to install – reduces handling risks
- Electrically and magnetically stable – safe for EMF-sensitive zones
- High tensile, shear, and adhesive bond strength
- Provides excellent thermal insulation – minimises thermal bridging
- Ensures reliable load transfer and controlled slab movement

For custom diameters, lengths, or project-specific fibreglass dowel enquiries, contact Danter at: sales@danter.com or **1800 262 383**

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