

# Form Tie Rings & Connectors



## PRODUCT DESCRIPTION

Danterr's Form Tie Rings & Connectors are hydrophilic sealing components designed to prevent water ingress around formwork spacers and centre tie rods in concrete structures. Manufactured from water-swellable rubber, they expand on contact with water to create a reliable water seal, helping maintain the integrity of concrete structures exposed to moisture.

Designed for use as part of a complete waterstop system, the Form Tie Rings seal around formwork spacers, while the Form Tie Connectors provide watertight sealing around retained centre pins and tie rods. Together, they offer a practical waterproofing solution for commercial and civil construction where long-term waterproof performance is essential.



### FEATURES & BENEFITS

- Hydrophilic rubber expands on contact with water to prevent water ingress.
- Certified watertight seal performance up to 6 bar pressure.
- Engineered design ensures reliable sealing around spacers and tie rods.
- Installs quickly without the need for specialised tools.
- Designed to fit a range of spacer and centre pin sizes.
- Works as a complete system with Sealing Rings.
- Supports long-term watertight concrete performance.

### APPLICATIONS

- Formwork spacer waterproofing.
- Basements and underground structures.
- Water-retaining concrete structures.
- Civil and infrastructure projects.
- Commercial concrete construction.

### PACKAGING & AVAILABILITY

#### Form Tie Rings

| Code   | Description                              | Pack Qty |
|--------|------------------------------------------|----------|
| 112199 | Waterstop Form Tie Sealing Ring 20 x 2mm | 200      |
| 112200 | Waterstop Form Tie Sealing Ring 24mm     | 100      |
| 112201 | Waterstop Form Tie Ring UFO 12mm         | 100      |
| 110043 | Waterstop Form Tie Ring UFO 17mm         | 100      |
| 110455 | Waterstop Form Tie Ring UFO 24mm         | 100      |
| 112202 | Waterstop Form Tie Ring UFO 31mm         | 50       |
| 112203 | Waterstop Form Tie Ring UFO 39mm         | 50       |

#### Form Tie Connectors

| Code   | Description                               | Pack Qty |
|--------|-------------------------------------------|----------|
| 112204 | Waterstop Form Tie Sealing Connector 15mm | 50       |
| 112205 | Waterstop Form Tie Sealing Connector 20mm | 50       |
| 112206 | Waterstop Form Tie Sealing Connector 23mm | 50       |
| 112207 | Waterstop Form Tie Sealing Connector 26mm | 50       |
| 112208 | Waterstop Form Tie Sealing Connector 30mm | 50       |

## TECHNICAL SPECIFICATIONS

### PHYSICAL PROPERTIES

| Property               | Value                                                                      |
|------------------------|----------------------------------------------------------------------------|
| Product Type           | Hydrophilic sealing system for formwork spacers and centre tie rods        |
| Material               | Water-swellable hydrophilic rubber                                         |
| Expansion Type         | Water-activated expansion                                                  |
| Waterproof Performance | Certified up to 6 bar                                                      |
| Installation Method    | Mechanical installation onto formwork spacers and tie rods                 |
| Sealing Function       | Prevents water ingress through cracks around spacers and retained tie rods |

### INSTALLATION INSTRUCTIONS

#### Form Tie Rings

1. **Position the Ring** - Slide the Form Tie Ring over the formwork spacer to the required position.
2. **Secure the Ring** - Ensure the ring sits firmly against the spacer before concrete placement.
3. **Concrete Placement** - Pour concrete, ensuring the sealing ring remains correctly positioned.

#### Form Tie Connectors

1. **Position the Connector** - Place the Form Tie Connector around the centre tie rod.
2. **Close the Connector** - Close the connector securely around the tie rod.
3. **Install the Sealing Ring** - Slide the Form Tie Ring over the tie rod and against the connector.
4. **Anchor the Assembly** - Secure the connector using the Form Tie Ring to complete the waterproof seal.

### SAFETY & HANDLING

- Handle carefully to prevent damage before installation.
- Store in a clean, dry environment away from direct sunlight.
- Dispose of waste material in accordance with local regulations.