

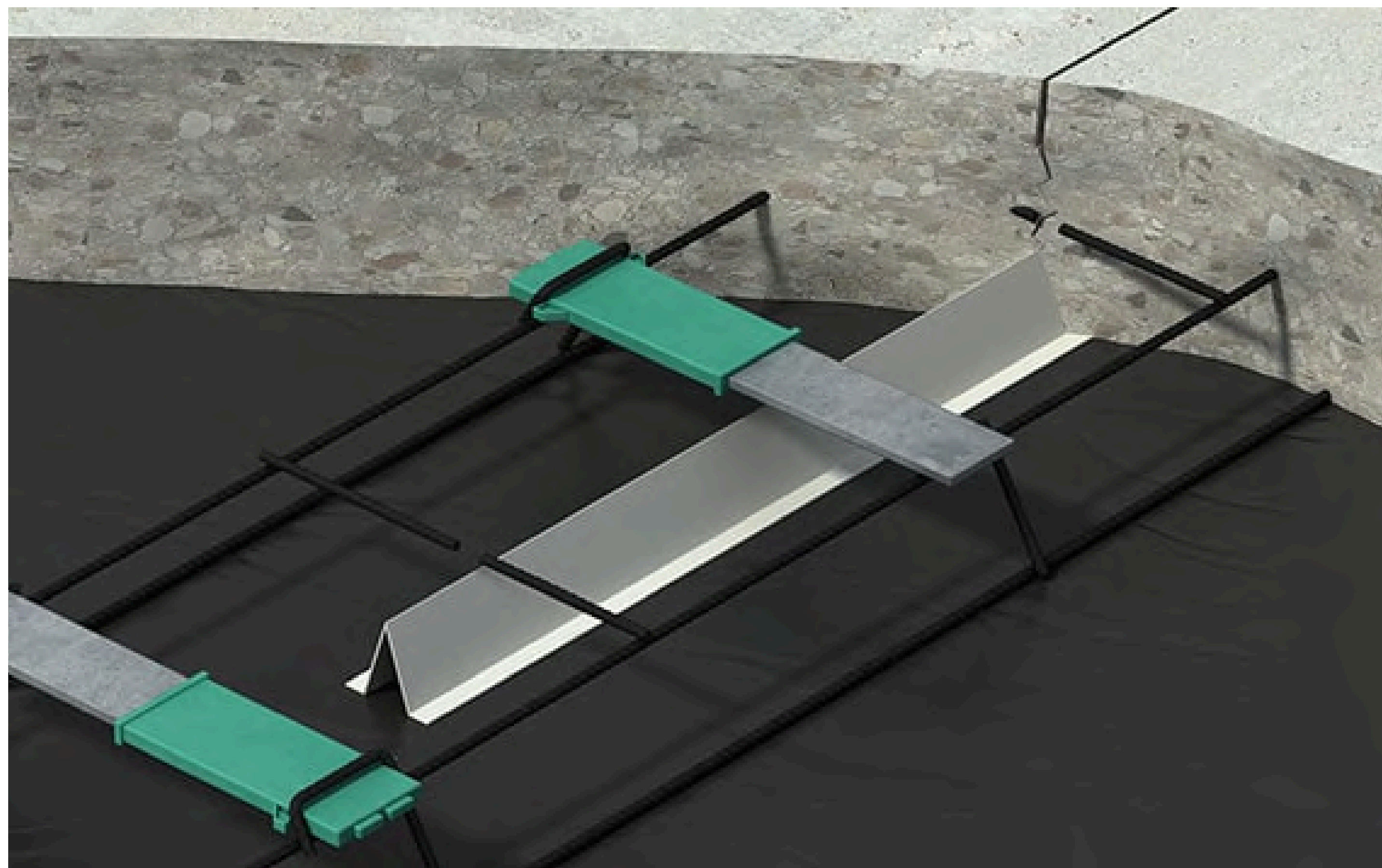
Plate Dowel Cradle

PRODUCT DESCRIPTION

The Plate Dowel Cradle is a precision-engineered jointing system designed to ensure efficient load transfer and minimal deflection at concrete slab contraction joints. These welded-wire assemblies maintain consistent dowel alignment during pours and deliver structural performance while accommodating slab movement.

Manufactured from Grade 300 mild steel and available in black or galvanised finishes, the cradle securely supports 6mm or 10mm thick plate dowels at specified spacings, matching standard slab depths. Each dowel features a de-bonding sleeve on one side to facilitate contraction.

The Plate Dowel Cradle system ensures durability, rapid installation, and long-term slab integrity in industrial, commercial, and civil applications.



FEATURES & BENEFITS

- **Superior Load Transfer:** Facilitates effective load transfer across saw-cut contraction joints, reducing joint failure and spalling
- **Accurate Placement:** Factory-fabricated welded wire assemblies ensure dowels are aligned at correct height and centres
- **Movement Accommodation:** Plate dowels include de-bonding sleeves, allowing for contraction and lateral movement
- **Material Durability:** Available in black mild steel or hot-dip galvanised finish for enhanced corrosion resistance
- **Customisation Options:** Custom configurations are available to meet specific project and slab requirements
- **Ease of Handling:** Rigid yet lightweight assemblies are easy to transport and install, reducing labour costs and setup time
- **Compatibility:** Suitable for continuous pours and compatible with Connolly Crack Inducers
- **Code Compliance:** Meets Australian standards for materials and galvanisation

PACKAGING & AVAILABILITY

Stock Code	Description	Stock Code	Description
121966	Plate Cradle 6mm @ 450mm Centres To Suit 125mm Slab – Black	121644	Plate Cradle 10mm @ 450mm Centres To Suit 125mm Slab – Gal
119606	Plate Cradle 6mm @ 450mm Centres To Suit 150mm Slab – Black	107362	Plate Cradle 10mm @ 450mm Centres To Suit 150mm Slab – Gal
123741	Plate Cradle 6mm @ 450mm Centres To Suit 180mm Slab – Black	120817	Plate Cradle 10mm @ 450mm Centres To Suit 180mm Slab – Gal
135242	Plate Cradle 6mm @ 450mm Centres To Suit 200mm Slab – Black	101582	Plate Cradle 10mm @ 450mm Centres To Suit 200mm Slab – Gal
114997	Plate Cradle 6mm @ 450mm Centres To Suit 125mm Slab – Gal	121645	Plate Cradle 10mm @ 450mm Centres To Suit 250mm Slab – Gal
120854	Plate Cradle 6mm @ 450mm Centres To Suit 150mm Slab – Gal		
115315	Plate Cradle 6mm @ 450mm Centres To Suit 180mm Slab – Gal		
101588	Plate Cradle 6mm @ 450mm Centres To Suit 200mm Slab – Gal		
121539	Plate Cradle 10mm @ 450mm Centres To Suit 125mm Slab – Black		
110949	Plate Cradle 10mm @ 450mm Centres To Suit 150mm Slab – Black		
127207	Plate Cradle 10mm @ 450mm Centres To Suit 180mm Slab – Black		
109715	Plate Cradle 10mm @ 450mm Centres To Suit 200mm Slab – Black		
124430	Plate Cradle 10mm @ 450mm Centres To Suit 250mm Slab – Black		

For custom configurations, contact **Danterr at: sales@danterr.com or 1800 262 383.**

Plate Dowel Cradle

TECHNICAL SPECIFICATIONS

TYPICAL PHYSICAL PROPERTIES

Property	Value
Cradle Length	3000mm standard
Plate Dowel Thickness	6mm or 10mm
Plate Dowel Width	50mm
Dowel Spacing	450mm centres
Sleeve Type	Polypropylene plate dowel sleeve
Lateral Movement	±5mm (with plate dowel and sleeve)
Material	Grade 300 mild steel (AS/NZS 3679.1)
Galvanisation Standard	AS/NZS 4680
Cradle Wire Diameter	6mm
Concrete Compatibility	All standard slab thicknesses

INSTALLATION GUIDELINES

1. Place cradles on subbase prior to slab pour, ensuring alignment with contraction joints
2. Ensure cradles are secured and level; support with bar chairs if required
3. Confirm that dowels are seated with sleeves correctly positioned to allow movement
4. Pour concrete while maintaining cradle positioning

STORAGE & HANDLING

- Store in dry, protected areas to avoid corrosion
- Handle with care to prevent deformation of cradle frame and dowels

COMPLIANCE & STANDARDS

- Steel: AS/NZS 3679.1
- Galvanising: AS/NZS 4680
- Sleeves: Polypropylene compliant with general construction safety