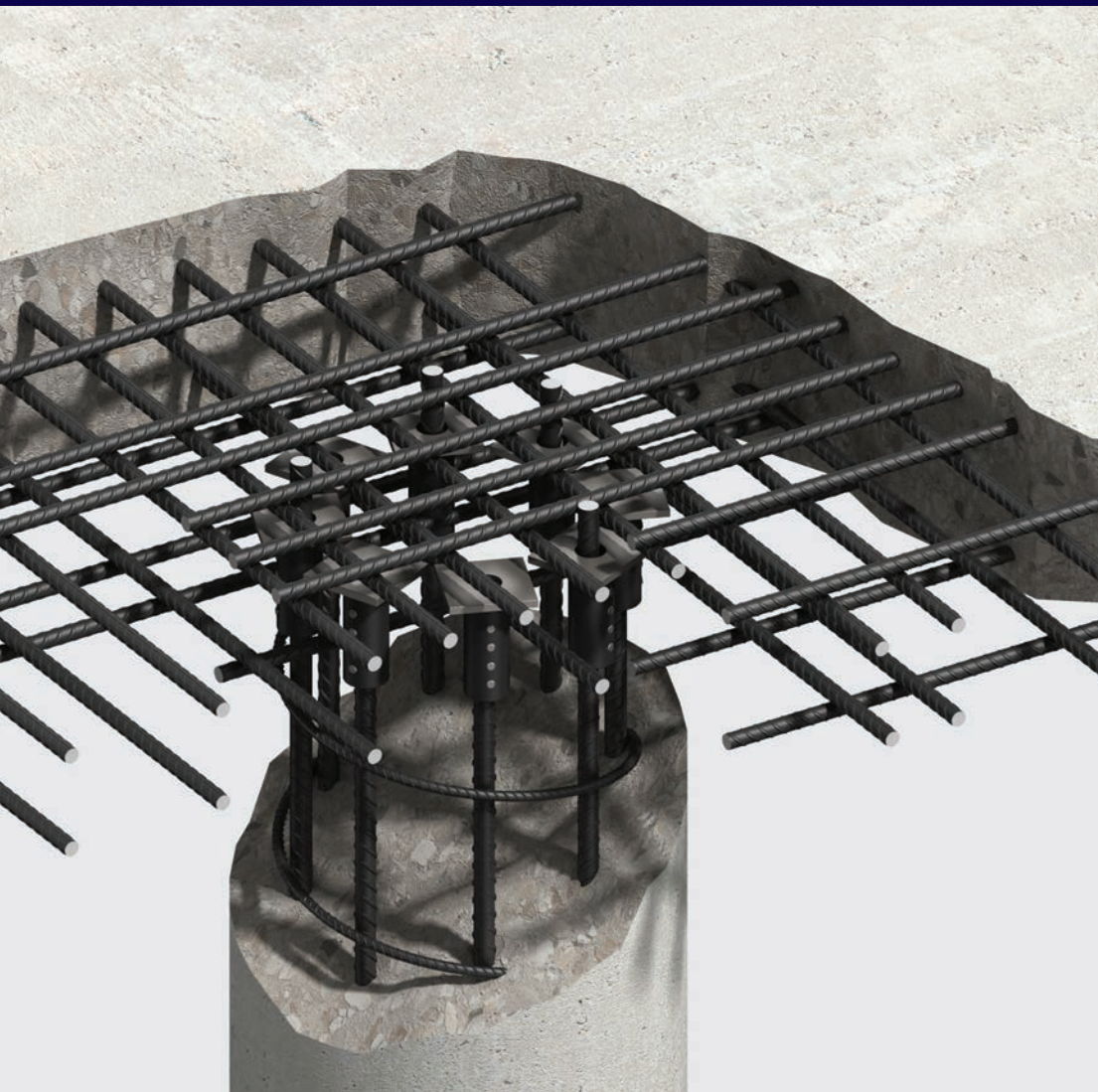


Product Overview

Discover our range of branded products



New Zealand Edition

Featured product brands include:

Ancon

Connolly

HALFEN

HELIFIX



We imagine, model and make engineered products and innovative construction solutions that help turn architectural visions into reality and enable our construction partners to build better, safer, stronger and faster.

Leviat is a world leader in connecting, fixing, lifting and anchoring technology.

From the build of new schools, hospitals, homes and infrastructure, to the repair and maintenance of heritage structures, our engineering skills are making a difference around the world.

We provide technical design assistance at every stage of a project, from initial planning to installation and beyond.

Our technical support services range from simple product selection through to the development of a fully customised project-specific design solution.

Every promise we make locally, has the commitment and dedication of our global team behind it. We employ almost 3,000 people at 60 locations across North America, Europe and Asia-Pacific, providing an agile and responsive service worldwide.

Leviat, a CRH company, is part of the world's leading building materials business.

Leviat is the home of:



Stainless steel support and restraint fixings for masonry cladding, engineered concrete connections and reinforcement continuity systems.



Innovative concrete connections including lean, high strength steel-concrete composite columns and a comprehensive range of acoustic products.



Dowel and continuous-pour jointing systems for slab-on-ground applications, such as pavements and industrial concrete floors.



Comprehensive range of anchoring, reinforcing, framing and façade fixing technology, for both construction and industrial applications.



Innovative helical wall ties, fixings and masonry repair systems offering concealed, non-disruptive installation techniques.



ISEDIO

Superior jointing systems for industrial concrete floors typically featuring armoured edge protection to reduce maintenance in high traffic areas.

MB MeadowBurke

Comprehensive portfolio of engineered construction accessories and safety products for the precast, tilt-up and cast-in place concrete industries.

MOMENT

Wide selection of mechanical rebar splicing technology, precast accessories and post-tensioning systems.

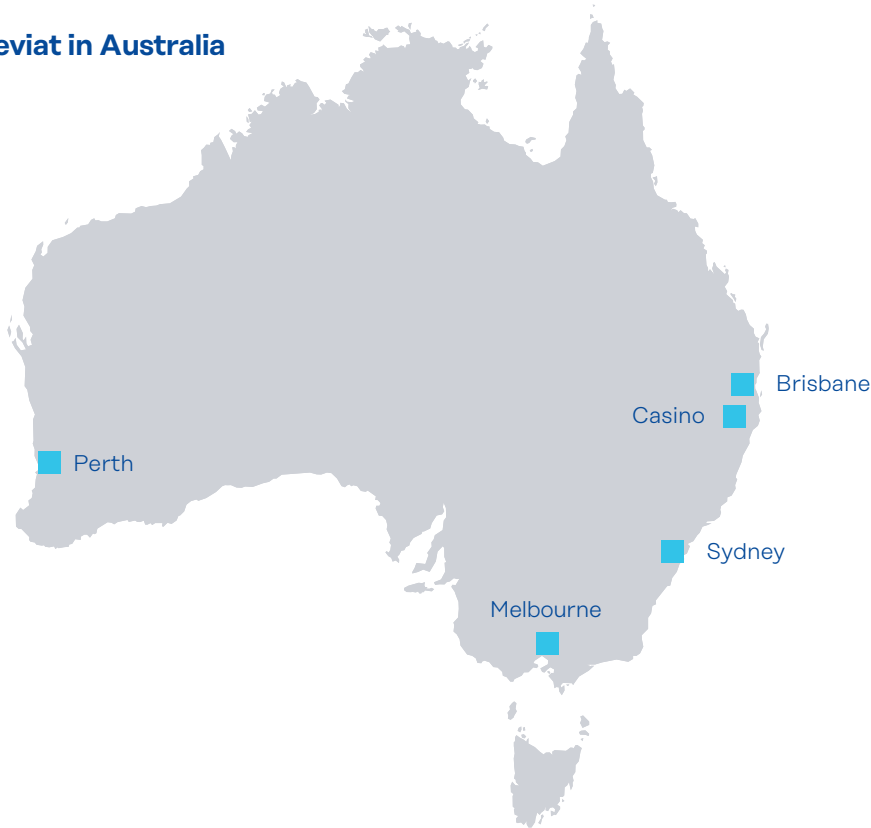
PLAKA

Engineered masonry and concrete connections, plus reusable and lost formwork solutions and building site accessories.

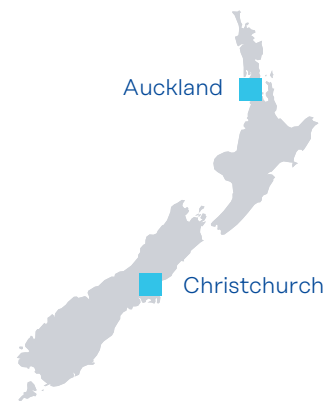
thermomass

Insulation systems for use in precast, tilt-up and cast-in-place concrete building envelopes, designed for enhanced energy-efficiency and thermal performance.

Leviat in Australia



Leviat in New Zealand



With two locations in New Zealand, and five in Australia, Leviat can assist with the specification, design, detailing and scheduling of a complete fixing solution for your project from our extensive range of trusted brands.

Our products are precision-manufactured to perform in the most demanding concrete and masonry applications, and are trusted for their integrity, reliability and compliance.

Our experienced technical specialists work closely with

developers, architects and structural engineers to ensure that our products meet the demands of today's most challenging construction programmes, while complying with new and emerging standards.

Our agile manufacturing processes enable us to respond quickly to fulfil urgent high-volume orders and meet challenging deadlines. Our business is structured around meeting customer requirements efficiently and cost effectively.

Our customer service professionals and extensive distribution network enable us to deliver the products that customers need, just when they are needed.

Contact us for help with your project requirements, from correct product selection to a fully customised design solution.

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Leviat.com



Precast Lifting & Bracing

Our product portfolio comprises innovative solutions including edge lifting systems, lifting loops and cast-in threaded inserts to ensure safe, fast and efficient handling of a wide range of precast concrete elements.



Masonry & Façade Fixings

Ancon masonry support systems facilitate horizontal movement joints and enable architectural features to be created on new buildings, including large openings, concealed soffits and stepped façades. Helifix repair and reinforcement products, with their concealed non-disruptive installation techniques, help to preserve our built environment and strengthen existing masonry structures.



Floor Joint Solutions

Connolly superior jointing systems enable flooring contractors to cast flat, high performing concrete floors. The product range covers all applications from the light-duty footpaths to heavy-duty industrial warehouse slabs.



Primary Structural Connections

Our range of structural connectors are precision-manufactured to perform in the most demanding applications and includes high performance shear dowels, threaded and bolted reinforcing bar couplers and reinforcement continuity systems.



Anchoring & Framing

Leviat offers a wide range of intelligent fastening solutions as alternatives to drilling or welding. Our range provides the ideal channel for every application, whether for elevator shafts, tunnels, stadiums or precast concrete construction. Our Tension Bar Systems provide high load capacity whilst meeting the demanding aesthetic requirements of today's architectural applications.

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Precast Lifting & Bracing

Ancon



Precast Concrete Accessories

Ancon Unilift Lifting System

Unilift Locking Klaws and spherical head anchors are the ideal lifting and handling system for a wide variety of precast concrete products, particularly in civil engineering applications.



Ancon Unilift Locking Klaws and Cone Anchors

Ancon EdjPro Edge Lifting System

The Ancon EdjPro system is ideal for lifting thin factory cast panels where a high finish is required, typically visible and exterior walls.

Use of the EdjPro system ensures panels remain in their perfect factory-cast condition, avoiding remedial work and lowering overall costs.



Ancon EdjPro Narrow Lifting System

Ancon LinkPro Loops

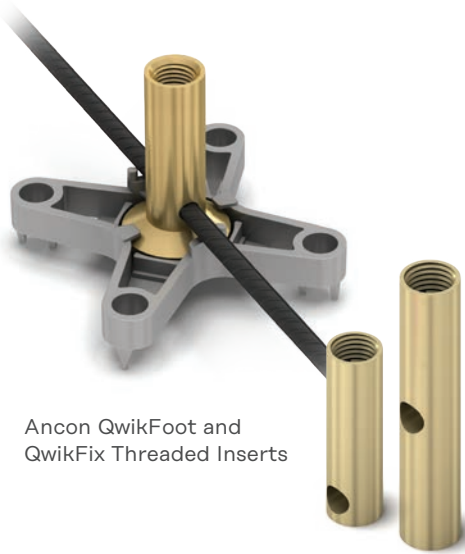
LinkPro fibre-cored/steel-cored lifting loops facilitate the safe and efficient handling of large precast reinforced concrete units, including bridge and shell beams.



Ancon LinkPro Lifting Loops

Ancon QwikFoot and QwikFix Threaded Inserts

A wide range of cast-in inserts are available, which provide a metric thread fixing point in precast concrete panels. They are available in thread sizes from M12 to M24 in either zinc plated, hot dip galvanised or stainless steel. Chairs are available to simplify installation by keeping the unit stable during casting.



Ancon QwikFoot and QwikFix Threaded Inserts

Ancon QwikMag Magnetic Clamps

These high strength magnetic clamps lock firmly in place on steel casting beds to hold formwork in position and help create consistent straight edges to precast concrete panels.



Ancon QwikMag Magnetic Clamps




CCL Pre-stressing Accessories

Open grips, double-ended joints and spring loaded anchors

Reliable pre-stressing products. Batch marked for full traceability.





Ancon DSD Shear Load Connector



Ancon Lockable Dowel

Accommodating Shear

Ancon Shear Load Connectors

Installed at expansion and contraction joints, Ancon Shear Load Connectors are more effective at both transferring load and accommodating movement than plain dowel bars. Each connector is a two-part assembly, comprising a sleeve and a dowel component. Products are available for joints in ground bearing and suspended slabs. Our free design software is available to download from the website.

Ancon Lockable Dowels

A unique lockable dowel designed for use at temporary movement joints in post-tensioned concrete frames.

Ancon Punching Shear Reinforcement

This Ancon Shearfix System consists of double-headed studs welded to flat rails. It is used within a slab to provide additional reinforcement around columns, protecting the slab from the effects of punching shear. Our free design software is available to download from the website.




Design Software available

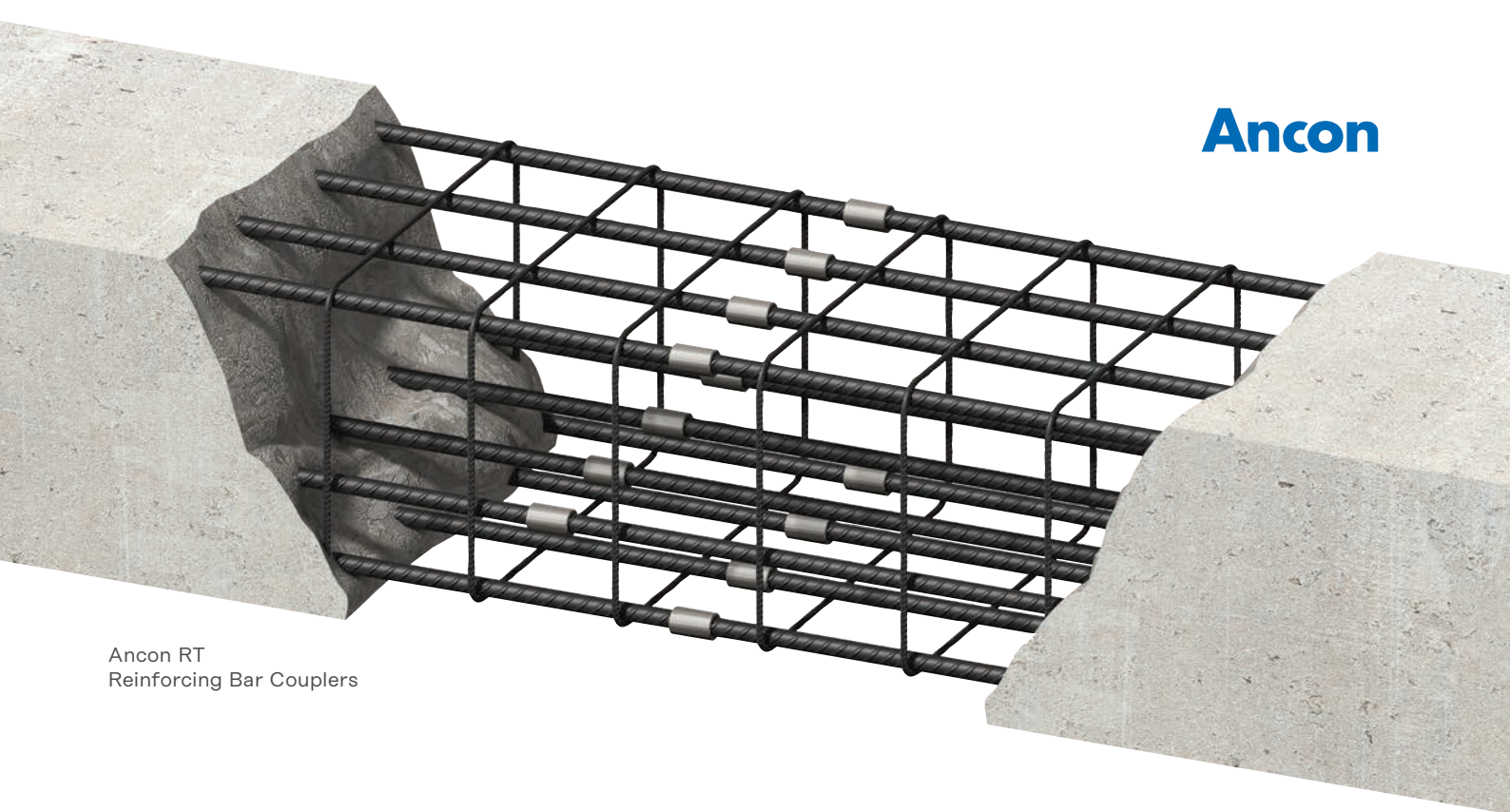
Ancon Shearfix Punching Shear Reinforcement

Stainless Steel Reinforcement

Reinforcing Bar



Leviat supplies stainless steel plain and ribbed bar. Ribbed bars in common 12-32mm sizes are held in stock in limited quantities. Other sizes and plain bar are available via our global network.



Ancon RT
Reinforcing Bar Couplers

Continuity of Reinforcement

Ancon Reinforcing Bar Couplers

Couplers can be used to replace long bars, simplify design details, reduce rebar congestion and accelerate the speed of construction. The Ancon range includes parallel threaded and mechanically bolted couplers.

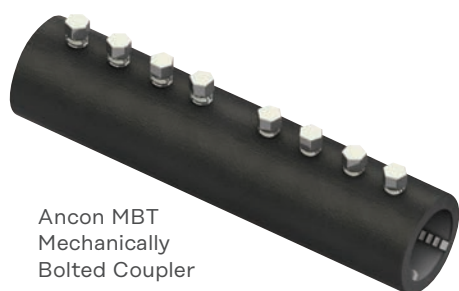
The MBT range of couplers provides a cost-effective method of joining reinforcing bars, particularly when the fixed bar is already in place and there is insufficient space for a hydraulic swaging press. The range comprises a standard, transitional and headed anchor option.

The Ancon RT system is one of the smallest and most cost-effective coupler systems in our range, when used on large scale, high coupler volume projects. The end of each bar is cut square and pressed before a rolling sequence is engaged to thread the bar. The coupler is assembled using a pipe or chain wrench. Calibrated wrenches are not necessary. The RT range comprises a standard, positional, weldable and headed anchor option.

MBT and RT Headed Anchors create an anchorage in the concrete, replacing the need for coggled or hooked bar ends. They can simplify scheduling and bar placement, and reduce congestion in the concrete.

Ancon Reinforcement Continuity Systems

Ancon RT KSN Anchors with RT threaded reinforcing bars can simplify concrete design at construction joints, typically in slab-to-wall applications. The anchor is cast into the face of the concrete wall. When the formwork and thread protection is removed, the reinforcing bar is screwed into the anchor.



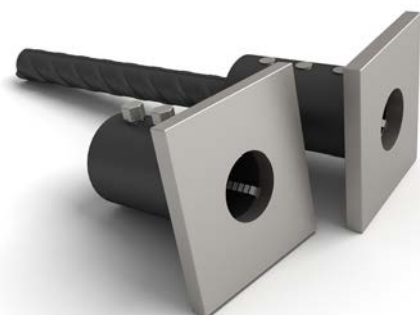
Ancon MBT
Mechanically Bolted Coupler



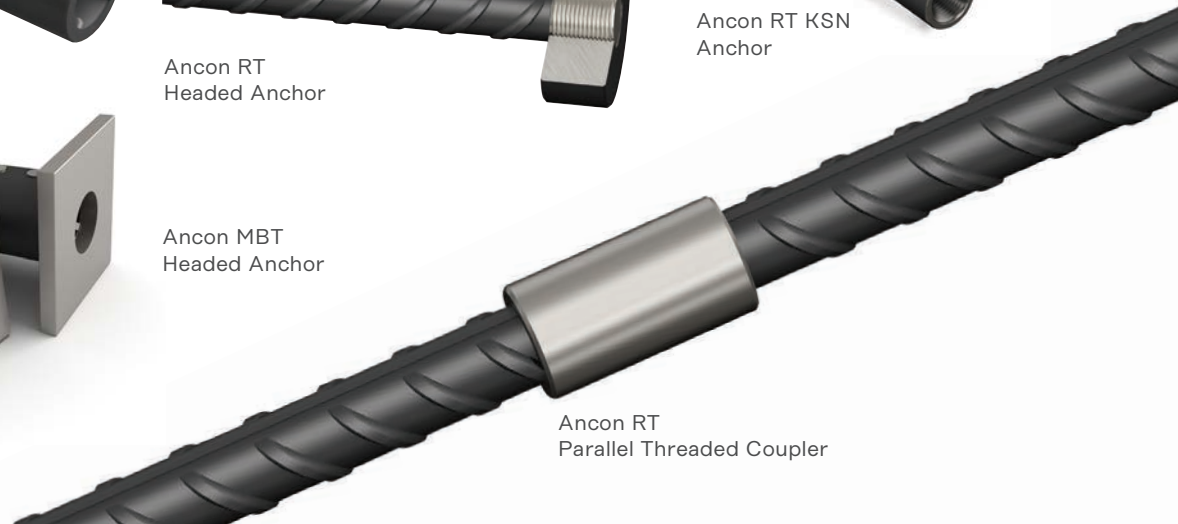
Ancon RT
Headed Anchor



Ancon RT KSN
Anchor



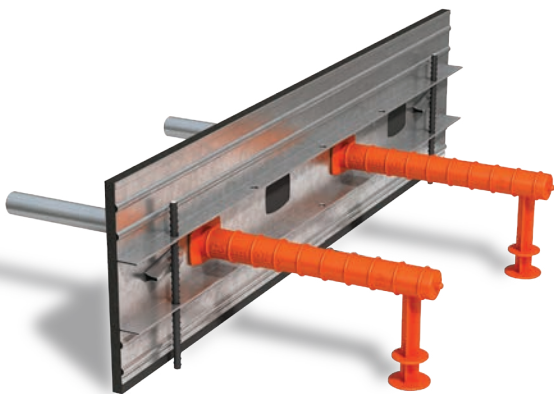
Ancon MBT
Headed Anchor



Ancon RT
Parallel Threaded Coupler



Products for Slab-on-Ground Applications



Connolly EXJ Expansion Joint System

The EXJ Expansion Joint System is a continuous pour solution for expansion joints in slab on-ground applications.



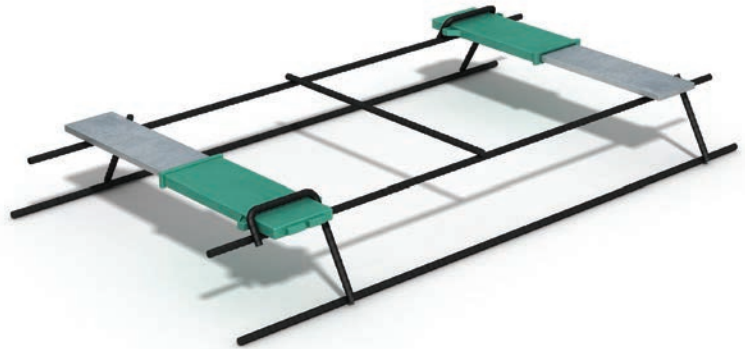
Connolly Universal Dowel Sleeves

Universal Dowel Sleeves are available for round and square dowels to allow for load transfer across joints in slab-on-ground applications. The patented twist-fix feature and integrated support leg assist with accurate dowel alignment.



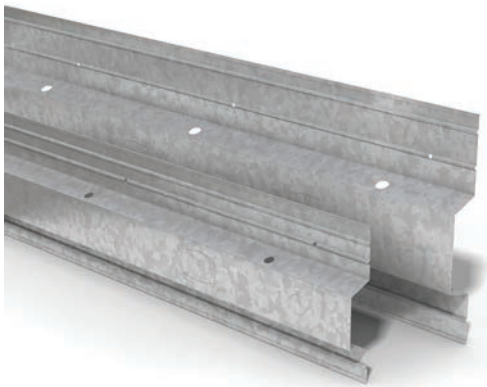
Connolly Biscuit Plate Dowels

Biscuit Plate Dowels and Sleeves are designed to transfer loads across construction joints in slab-on-ground applications.



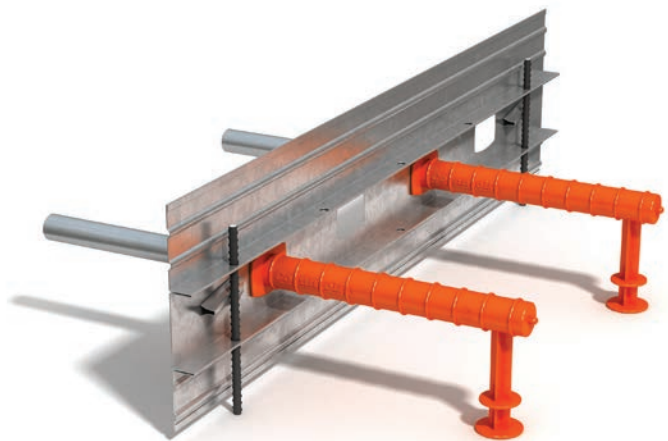
Connolly Dowel Cradles

Dowel Cradles are used for load transfer in saw cut contraction joints. They are a welded wire assembly that ensures the horizontal and vertical alignment of dowels at the correct spacing and height.



Connolly Key Joint

Connolly Key Joints are a roll-formed galvanised steel section used as a leave-in-place formwork system to control shrinkage induced cracking. The profile is fixed in place using our patented peg and wedge system.



Connolly Straight Up Contraction Joint

The Connolly Straight Up Contraction Joint is a continuous pour solution for contraction joints in slab-on-ground applications.

Anchor Channels

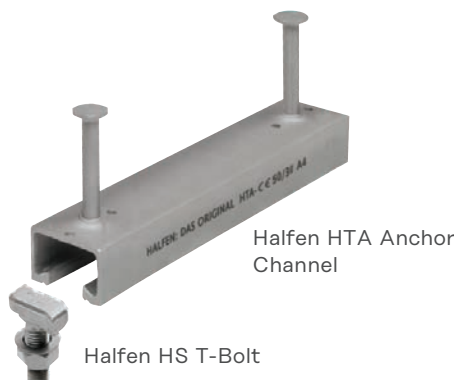
Halfen Anchor Channels

When fixing to concrete, Halfen Anchor Channels provide almost unlimited adjustment along the line of the channel and can eliminate expensive site drilling. Halfen Anchor Channels are available in hot dip galvanised steel or stainless steel, depending on the level of corrosion resistance required.



Halfen HTA Anchor Channels

Halfen HTA Anchor Channels with smooth lips, used in conjunction with Halfen HS T-Bolts, resist tension loads and shear loads in the direction perpendicular to the longitudinal axes of the channel. The capacity of Halfen HTA Anchor Channels is confirmed through their independent European Technical Assessment.



Halfen HZA Serrated Anchor Channels

Halfen HZA Serrated Anchor Channels with toothed lips, used in conjunction with Halfen HZS T-Bolts, provide resistance in all directions including the longitudinal axes of the anchor channel. The capacity of Halfen HZA Serrated Anchor Channels is confirmed through their independent European Technical Assessment and ICC-ESR Evaluation Service Report. The ICC-ESR also includes provisions for a seismic design.



Elevator Guide Rail Connected By Anchor Channel



Elevator Accessories

Halfen HLX Lift-Box

The increasing importance of scaffold-free elevator installation requires attachment points cast into the ceiling of concrete shafts for temporary attachment of various loads.

The Halfen HLX Lift-Box makes this possible, providing a safe, temporary fixing point for hoisting apparatus, speed governor/limiter, motor and other equipment during initial installation and subsequent maintenance of an elevator.





Architectural Tension Systems

Tension & Compression Systems

In addition to providing a high load capacity, these stylish systems meet the demanding aesthetic requirements of today's architectural applications. Ancon systems are available in stainless steel in a variety of sizes and finishes, including hand polished. Halfen Detan systems are available in galvanised steel.

Components combine to create fixing solutions for staircases, canopies, timbers and large areas of glazing.

Tension Systems comprise high strength bar, fork connectors, locking nuts, couplers and anchor discs.

Compression Systems comprise high strength tubes, fork connectors and locking nuts.

Tension Rod Systems are manufactured to order in the UK and are subject to manufacture and freight lead times.



Halfen Detan Tension Rod System

Ancon Electro-polished Tension System

Ancon Satin-polished Tension System

Ancon Hand-polished Compression System

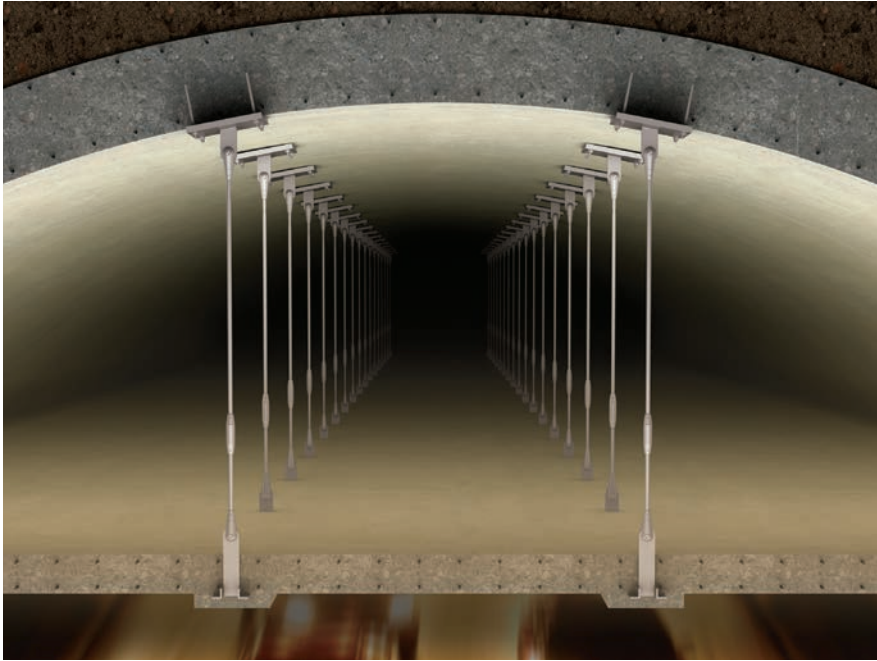
Ancon Hand-polished Tension System



© Darcy Schack JAM Photographics Ltd



Stainless Steel Fabrications



Tunnel Ceiling Suspension Systems

Special Fabrications

Leviat has a wealth of experience working with various types and grades of stainless steel, and produces special fabrications to suit individual customer requirements. Both one-off and volume orders have been supplied to various industries such as Building, Infrastructure, Water Treatment, Nuclear and Mining.

Leviat has an impressive project portfolio in the Tunnelling Industry and is an ASSDA accredited specialist fabricator.



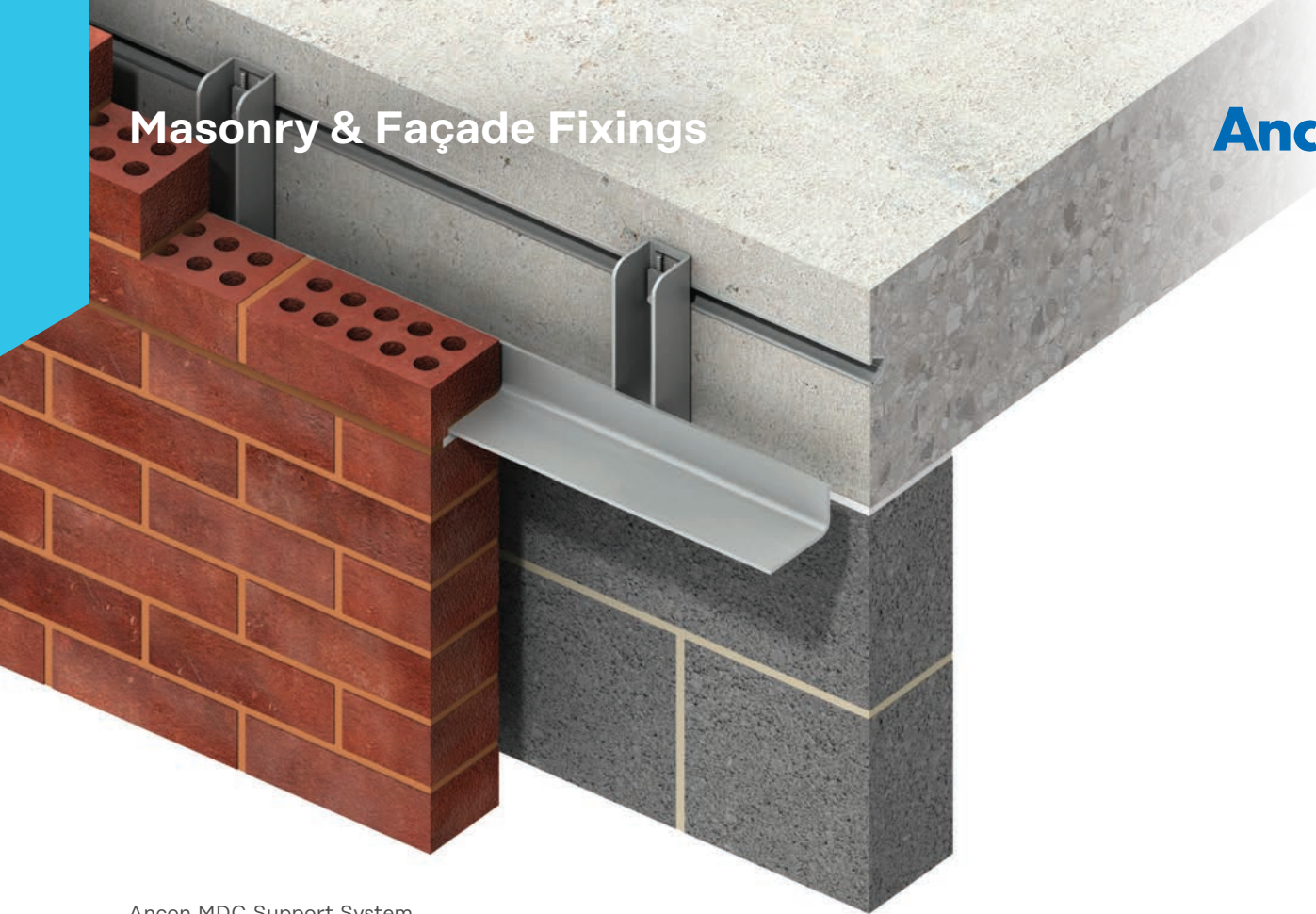
Steel Walkway, Perth MetroRail City Tunnel, Australia



Lindapter Weld-Free Steel Connectors

Leviat distributes Lindapter products in New Zealand. The range includes Hollo-Bolt™, girder clamps, rail clips and floor fixings. Hollo-Bolt expansion bolts are ICC-ES approved for use in all Seismic Design Categories A-F, in compliance with the International Building Code.





Ancon MDC Support System fixed to 30/20 cast-in channel

New Build Masonry Systems

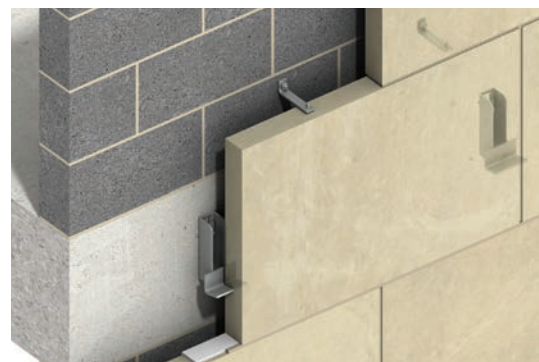
Ancon Masonry Support Systems

Ancon masonry support systems facilitate horizontal movement joints and also enable architectural features to be created including large openings, concealed soffits and stepped façades. Our engineered solutions ensure support angles are cost-effective and negate the need for cutting and waste on site.

Ancon masonry support systems and lintels are manufactured from stainless steel and are suitable for all durability classes without any further corrosion protection.



Ancon CFA Support System fixed to post-installed anchor



Individual Ancon MDC/SC Stonework Support Brackets

Masonry Repair Systems

Strengthening and Stabilising Masonry

HeliBar is a helical stainless steel reinforcing bar, with substantial tensile properties, used for strengthening and stabilising masonry in both new build and remedial situations. Helibars can be used to form masonry beams that secure large areas of masonry, distributing the structural loads and overcoming various problems caused by foundation movement.



Helifix Crack Stitching Systems

The Helifix Crack Stitching system repairs and stabilises cracked masonry using stainless steel HeliBars bonded into cut slots with HeliBond grout for a quick, simple, effective and permanent solution.



Helifix Remedial Wall Ties

Remedial wall ties are installed to tie masonry leaves together or veneers to internal structural frames. The Helifix range offers a solution for all situations and materials including ResiTies and BowTies.





Leviat[®]
A CRH COMPANY

Innovative engineered products and construction solutions that allow the industry to build safer, stronger and faster.



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**Concrete Floor Jointing
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**Remedial Masonry
products:**

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