

**STEEL
FABRICATORS
PRODUCT GUIDE**

Revision 3.1 - January 2022

FAST – SAFE – SECURE – SIMPLE

STRUCTURAL STEEL CONNECTIONS

K0 CLASS

HIGH STRENGTH CLASS 8.8 HR BOLTED ASSEMBLIES COMPLIANT TO THE LATEST STANDARD AS/NZS 1252:2016 K0 8.8 HR FOR IMPROVED RELIABILITY, PERFORMANCE AND CERTIFICATION

BOLTED ASSEMBLIES DESIGNED WITH HIGHER LEVELS OF COMPLIANCE TESTING AND DOCUMENTATION CONTROLS COMPARED TO STANDARD AS/NZS1252:1996 HI-TENSILE ASSEMBLIES.

- Compulsory verification testing guidelines supported by detailed certification.
- HR bolt assemblies directly align with the design provisions of AS4100 for ductility.
- Unique batch head markings for identification.
- Large range of diameters: M12 to M36.
Choice of lengths: from 30mm to 800mm.
- Long life finish: hot dipped galvanised.
- Stock available from warehouse.

APPLICATIONS:

- Steel frame buildings & warehouses.
- Structural steel connections.
- Road & rail bridges.
- Platforms & walkways.
- Shelters & canopies.

TECHNICAL INFORMATION:

- For detailed technical information and performance reports contact your local representative or refer to the



K2 CLASS

HIGH CLASS 8.8 HR BOLTED ASSEMBLIES COMPLIANT TO EUROPEAN STANDARD EN14399:2005 K2 8.8 HR

A PREMIUM BOLT DESIGN WITH HIGHER LEVELS OF COMPLIANCE TESTING AND DOCUMENTATION CONTROLS COMPARED TO K0 CLASS ASSEMBLIES.

- Bolted assemblies made to EN14399:2005 Class 8.8 HR standards which incorporate K-class testing controls comply to AS/NZS1252:2016 and can be used in the Australasian market.
- HR bolt assemblies meet the design provisions of AS4100 for ductility.
- Unique batch head markings for identification.
- Large size range: M16 to M36. Choice of lengths: from 40mm to 500mm.
- Long life finish: hot dipped galvanised.
- Goods supplied to project orders. Lead times may apply.

APPLICATIONS:

- Steel frame buildings & warehouses.
- Structural steel connections.
- Road & rail bridges.
- Platforms & walkways.
- Shelters & canopies.

HR, HDG (EN14399-3 8.8 BOLT/ (1) EN14399-3 CL.8 NUT/ (1) EN14399-5 WASHER)		
KBHK2GCM240080 PO# 58949 Heat Code: 2MT	LOT# 2015351400 Hobson Engineering 13 Clay Place Eastern Creek NSW 2766 AUSTRALIA	Quantity: 30 PCS
 935062901642		
M24x3.0Px80		
Torque Method according to EN1090-2 1st : 430 Nm 2nd : 630 Nm		
k - class K2 $k_u : 0.120$ $V_s : 0.06$		KEG NO: 1 PLT NO: 155



HOBSON ONESIDE™ BOLT

THE ONESIDE™ BOLT PROVIDES TRUE STRUCTURAL STRENGTH FOR JOINTS WHERE ACCESS IS LIMITED TO ONLY ONE SIDE OF THE JOINT. UNLIKE OTHER BLIND FASTENING PRODUCTS AVAILABLE, THE ONESIDE™ BOLT PROVIDES SUPERIOR CLAMPING STRENGTH.

Major features of ONESIDE™ Bolts:

- M30 shear capacity with an M20 bolt.
- Simple blind-installation method with a manual tool without requiring skilled labour

The ONESIDE™ Bolts deliver:

- Reduced on-site labour requirements compared to welding.
- Restraint of vibration and mechanical movement.

APPLICATIONS:

- For use with high performance hollow structural members.
- Retrofitting structural fixtures on hollow or one-sided access structures.
- Hollow communication towers and signage towers.
- Tanks and pressure vessels.
- Earthquake and cyclone tolerant structures.
- Mining and mineral processing equipment.
- Heavy cranes and lifting equipment.
- Road and rail gantries.

TECHNICAL INFORMATION:

- For detailed technical information and performance reports contact your local representative or refer to the Konnect Fastening Systems® website.



The ultimate high strength structural blind **fastening system**

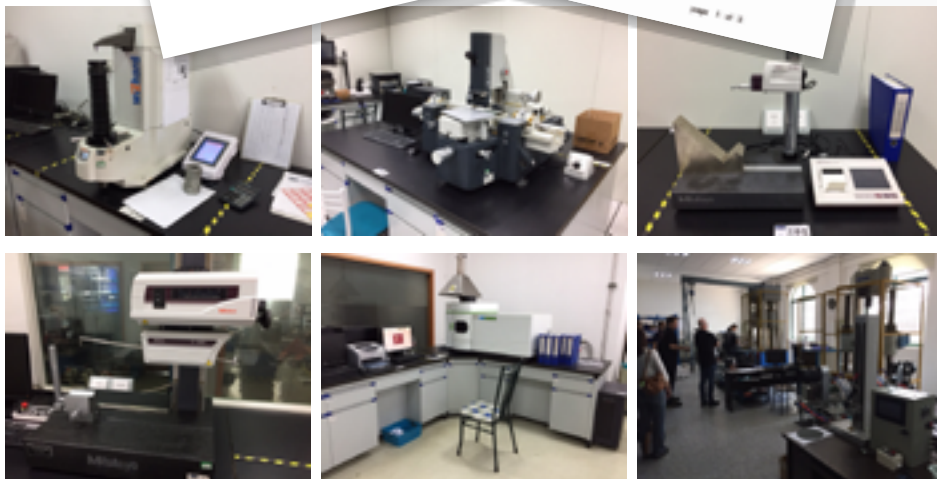


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TECHNICAL SUPPORT

TECHNICAL SUPPORT

- Factory Production Control (FPC) inspection certificate.
- Initial Type Testing certificate (ITT). European conformity CE certificate.
- Tested to latest International and AS/NZS standards.
- Verification testing report & Supplier Declaration of Conformance (SDoC).
- Verification testing must be completed by an independent ILAC accredited laboratory.



MAJOR PROJECT SPECIFICATION

Cross River Rail (CRR) - Brisbane, Queensland

A new 10.2 kilometre rail line from Dutton Park to Bowen Hills.



Special thanks to Cross River Rail for allowing Konnect Fastening Systems™ to photograph the construction site.

Sydney Football Stadium Redevelopment - Moore Park, New South Wales

Redeveloped into a 40,000 to 45,000 seat stadium with improved sightlines and a roof that covers all patrons.



Photo Credit – Sydney Football Stadium - <https://www.infrastructure.nsw.gov.au/projects-nsw/sydney-football-stadium-redevelopment/>

New Zealand Westfield New Market - Auckland New Zealand

32,500sqm GFA (Gross Floor Area) floor space. 5 levels with 3,000 people capacity.



Photo Credits – Special thanks to Scentre Group for allowing Konnect Fastening Systems™ to photograph the construction site.

STRUCTURAL STEEL CONNECTIONS

TENSION CONTROL BOLTED CONNECTIONS

EXTREME GRADE 10.9 TENSION CONTROL BOLT SYSTEMS FOR FASTER INSTALLATION WITH SUPERIOR STRENGTH AND SAFETY



**LOWEST COST METHOD TO INSTALL FRICTION GRIP, PRELOADED BOLTS.
HIGHER PROJECT PRODUCTIVITY COMPARED TO CONVENTIONAL METHODS.**

INSTALLATION ADVANTAGES:

- Visual inspection
- Consistent tension
- Single operator installation (Reducing labour costs)
- Non impacting electric shear wrenches (no HAVS{Hand-Arm Vibration Syndrome})
- No air compressors or hoses required
- Calibrated torque wrenches are not required
- Reduces installer fatigue

- Supplied with Superior corrosion protection Greenkote (Anti-corrosion protection)
- Advanced thermal diffusion coating of Zn-Al polymetallic composition
- Delivering exceptional protection against corrosion and provides superior adhesion, coating uniformity, hard wearing and eliminates hydrogen embrittlement issues in high strength fasteners
- Can not be easily separated by physical or environmental forces
- Guaranteed tension together with visual inspection
- Used in applications such as: Bridge splice plates, beam-to-colum connections, stadia roof trusses to rail switches and crossings
- Ability to paint over the product



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APPLICATIONS:

- Lowest cost method of properly installing high strength preloaded bolting assemblies
- Property Class 10.9/10
- Manufactured in accordance with EN 14399-10
- CE Marked in accordance with EN 14399-1
- Available in M12, M16, M20, M22, M24, M27, M30 & M36 in various lengths



TENSION CONTROL BOLT INSTALLATION TOOLS

- Lightweight electric shear wrench.
- Single person operation.
- Less operator fatigue. High user safety.
- No pneumatic or hydraulic equipment required.
- Low noise & vibration.



DURASQUIRT® DTI WASHER

DURASQUIRT® WITH DIRECT TENSION INDICATORS (DTI'S) FOR FAST AND ACCURATE INSTALLATION OF BOLTED ASSEMBLIES COMPLIANT TO AS/NZS1252:2016

INSTANT VISUAL INSPECTION FOR CORRECT TENSION AND STOP POINT.

- A durable squirt indication that lasts on the connection.
- Engineered to withstand the elements from wind, heavy rain and extreme temperatures.
To prove how much DuraSquirt® DTI Washers can withstand, it was run through an automated dishwasher for 1 year. Despite the daily punishment of heated turbulent water and detergent, the squirt media was still visible.
- Complete indication occurs after minimum tension has been achieved.
- Simple to use and easy for installers and inspectors to see when the required tension is achieved.
Not affected by poor torque tension correlation factors such as weathering, poor lubrication and damaged threads.
- A clear visual indication when the bolt assembly is tensioned correctly by “squirting” bright orange indicator. Independently tested from -50 to 104 degrees Celsius.

TECHNICAL INFORMATION:

- For detailed technical information and performance reports contact your local representative or refer to the Konnect Fastening Systems® website.



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NORD-LOCK® BOLT SECURING SYSTEMS STEEL CONSTRUCTION WASHERS



BASED ON THE LEADING NORD-LOCK WEDGE-LOCKING TECHNOLOGY, THE STEEL CONSTRUCTION (SC) WASHERS ARE DESIGNED TO SECURE BOLTED JOINTS IN STRUCTURAL STEEL APPLICATIONS THAT ARE SUBJECTED TO SEVERE VIBRATION AND DYNAMIC LOADS.

DIRECT REPLACEMENT FOR STANDARD PLAIN CHAMFERED WASHERS TO FIT HR SETS BOLTS AND NUTS COMPLY TO EUROPEAN STANDARD EN 14399-3.

- Size range: M12 to M36 (other sizes available to special order).
- Material: Steel 1.7182 or equivalent.
- Hardness: HV1 > 465 HV through hardened.
- Coating finish: Delta Protekt.

ADVANTAGES:

- Ensures the function of the joint is maintained.
- Reduced maintenance resulting in long term cost savings.
- Quick and easy to install and remove with standard tools.
- Defined and uniform friction conditions which result in a more accurate pre-load.
- Safe and reliable locking for joints with short clamp.
- High corrosion resistance.
- Traceable batch codes and markings
- Locking function not affected by lubrication



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TECHNICAL INFORMATION:

- For detailed technical information and performance reports contact your local representative or refer to the Konnect Fastening Systems® website.

STRUCTURAL STEEL CONNECTIONS

BOLTED CONNECTIONS AND ASSEMBLIES

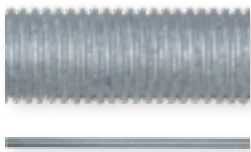
THREADED BOLT ASSEMBLIES FOR STRUCTURAL AND NON STRUCTURAL CONNECTIONS TO STEEL AND CONCRETE.

Fastening system solutions include:

- High tensile and standard strength steel assemblies.
- Choice of zinc, hot dipped galvanised and stainless steel finishes.
- A wide range of metric and imperial diameters and lengths.
- Complete bolt, nut and washer assemblies.
- Threaded rods and accessories.

APPLICATIONS:

- Structural girders & beam connections.
- Steel purlins and roof trusses.
- Suspended services and tray systems.
- Fixing structural columns to concrete.
- Rigging, bracing and framework.
- Equipment chassis.



Threaded Rod

Mild steel and high tensile threaded rod available in metric or imperial and in a range of sizes & finishes.



Structural Assemblies

Fully certified structural assemblies to meet your construction requirements. Available in diameters from 12mm to 36mm in a variety of lengths, with test certificates available.



Purlin Bolts

High and low tensile purlin assemblies for fastening steel purlins. Available in diameters from 12mm to 16mm and in a length of 30mm.



Nuts, Bolts & Washers

Range of high & low tensile nuts, bolts & washers. Available in a range of finished, types and sizes; suitable for various applications.

SHEAR STUD CONNECTIONS FOR STEEL BEAMS

WELDED STEEL STUD COMPONENTS FOR THE CONSTRUCTION OF COMPOSITE STEEL AND CONCRETE STRUCTURES

ENABLES THE MECHANICAL INTERLOCK BETWEEN THE STEEL BEAM AND THE STRUCTURAL CONCRETE SO THAT A JOINT BEARING EFFECT IS CREATED ON A LARGE SCALE.

- Cold forged steel stud and head with ceramic ferrules.
- Welded stud complies to AS/NZS 1554.2:2003.
- Stud diameter: 19mm. Lengths from 75mm to 250mm (other diameters available. Lead times may apply).



WEATHERING STEEL ASSEMBLIES

HIGH STRENGTH LOW ALLOY STEEL COMPONENTS WITH IMPROVED RESISTANCE TO ATMOSPHERIC CORROSION COMPARED TO STANDARD CARBON STEELS

WEATHERING STEEL IS A LONG LIFE, LOW MAINTENANCE ALTERNATIVE TO HOT DIPPED GALVANISING THAT FORMS A PROTECTIVE RUST PROHIBITING COATING OVER TIME. AVAILABLE IN GRADES: A325 TYPE 3 OR A490 TYPE 3

APPLICATIONS:

- Outdoor sculptures.
- Exterior façades.
- Bridges and large steel structures.
- No painting required.
- Stable, rust like appearance.
- High copper, nickel and chromium material content.
- Goods supplied to project orders. Lead times apply.
- Submit your project enquiry to your local Konnect Fastening Systems® Representative.



TCB WEATHERING ASSEMBLIES

WEATHERING REFERS TO THE CHEMICAL COMPOSITION OF THESE STEELS ALLOWING THEM TO EXHIBIT INCREASED RESISTANCE TO ATMOSPHERIC CORROSION



THOUGH OCCASIONALLY USED IN HIGH RISE BUILDINGS AND SCULPTURES, OUR WEATHERING STEEL TCBS ARE MOST COMMONLY SPECIFIED IN THE BRIDGE MARKET.

APPLICATIONS:

- Weather resistant assemblies in accordance with EN 1090-2:2018 section 5.6.6
- High strength structural bolting assemblies for preloading
- Property class 10.9/10
- Manufactured in accordance with EN 14399-10
- CE marked in accordance with EN 14399-1
- Available in M24 and M30 in multiple lengths
- Requirement for maintenance reduced
- Steel surface is allowed to rust in order to form the protective coating



STRUCTURAL STEEL CONNECTIONS

HOLD-DOWN BOLTS

FOR STRUCTURAL AND NON-STRUCTURAL CONNECTIONS OF STEEL COLUMNS AND FRAMES TO PRECAST CONCRETE FOOTINGS

INDIVIDUAL OR MULTIPLE BOLT OPTIONS WITH STEEL PLATE ASSEMBLIES.

- Black or hot dipped galvanised finish.
- Metric bolt diameters from M12 to M30.
(Other diameters available but lead times may apply).
- Total bolt lengths from 300mm to 800mm.
(Other lengths available but lead times may apply).
- Choice of bolt thread lengths from 100mm to 200mm.





HOBSON HBS BOLTS

ONE-SIDED INSTALLATION FOR FIXING STEEL TO HOLLOW SECTIONS OR WHERE THERE IS LIMITED ACCESS.

APPLICATIONS:

- For fixing steel to hollow steel sections
- For use with square, rectangle, and circular hollow sections
- High shear and tensile capacities
- Large grip range
- One sided installation
- Steel framework including: gantries, bridges, stadiums, and transmission towers.

Material	Coating
 Class 8.8	 Hot Dipped Galvanised



Mechanical Properties					
Part Prefix.	Nominal Size	Characteristic Load		Working Load	
		Tensile	Shear	Tensile	Shear
		kN	kN	kN	kN
KBB88GHM08	M8	24.3	26.1	6	7
KBB88GHM10	M10	44.8	45.6	10	12
KBB88GHM12	M12	51.6	58.3	13	15
KBB88GHM16	M16	89.1	105.3	23	28
KBB88GHM20	M20	128.9	161.4	34	43

TECHNICAL INFORMATION:

- For detailed technical information and performance reports contact your local representative or refer to the Konnect Fastening Systems® website.



- Hexagon collar for use with open end or ring spanner.

CHEMICAL ANCHORING SYSTEMS

MIT700-RE PURE EPOXY INJECTION ANCHOR

GENERAL PURPOSE ANCHOR FOR MASONRY, BRICK AND CONCRETE.
CHOICE OF CARTRIDGE SIZE AND DISPENSING METHOD



- 24 Month shelf life
- Suitable for overhead fixings
- VOC Free
- ETA Approved: Cracked and non-cracked, diamond drilled holes in non-cracked concrete
- Working Time 10 hours in 20°C (Dry hole)
- Curing Time 30mins at 20°C (Dry hole)
- Concrete and Natural Stone Rock

APPLICATIONS:

Starter bars, structural steel plates, handrails, barriers, hold down brackets, seating.
Close to edge and close to anchor fixings.



MIT-HYBRID VINYLESTER INJECTION ANCHOR

GENERAL PURPOSE ANCHOR FOR MASONRY, BRICK AND CONCRETE.
CHOICE OF CARTRIDGE SIZE AND DISPENSING METHOD



- May be used under seismic influence for performance category C1 & C2
- Low odour level (low VOC)
- Suitable for high loads
- Suitable for overhead fixings
- Styrene Free, Low Odour
- Fast curing time: 30 mins at 20°C (dry Hole)
- Can be used in dry and damp holes
- Concrete and natural stone rock
- Installation down to -5°C

APPLICATIONS:

Steel plates and bars, handrails, balustrades, gate posts, brackets, timber to concrete.
For hollow materials use plastic sleeves to install threaded rods. Close to edge and close to anchor fixings.



You may also need:

Cartridge Dispensing Gun | Hand Hole Blower | Dispensing Nozzles | Hole Cleaning Brushes | Carbide Tipped Drill Bits

THREADED STUDS

- Chisel point stud with nut and washer.
- Available in 316 Stainless Steel, Galvanised and Zinc finish.
- Steel studs Grade 5.8.
- Depth mark for correct embedment.
- External hex driver included.
- Sizes: M12 - M24 | Lengths: 160mm - 300mm.



CHEMICAL ANCHORING SYSTEMS

MIT-SE VINYLESTER INJECTION ANCHOR

GENERAL PURPOSE ANCHOR FOR MASONRY, BRICK AND CONCRETE.
CHOICE OF CARTRIDGE SIZE AND DISPENSING METHOD



- May be used under seismic influence for performance category 1
- Low odour level (low VOC)
- Suitable for overhead fixings
- Styrene Free, Low Odour
- Fast curing time: 45 mins at 20°C (dry hole)
- Can be used in dry and damp holes



APPLICATIONS:

Starter bars, structural steel plates, handrails, barriers, hold down brackets, seating. Close to edge and close to anchor fixings.

MIT-SP POLYESTER INJECTION ANCHOR

GENERAL PURPOSE ANCHOR FOR MASONRY, BRICK AND CONCRETE.
CHOICE OF CARTRIDGE SIZE AND DISPENSING METHOD



- VOC Free
- Suitable for assemblies in perforated brick with sleeve
- Medium duty fastenng
- Styrene free and low odour
- Curing time 45mins at 20°C (dry hole)
- Installation down to -5°C
- ETA Approved
- LEED (leadership in Energy and Environmental Design) Approved
- Dry Hole/Wet hole approved



APPLICATIONS:

Steel plates and bars, handrails, balustrades, gate posts, brackets, timber to concrete. For hollow materials use plastic sleeves to install threaded rods. Close to edge and close to anchor fixings.

You may also need:

Cartridge Dispensing Gun | Hand Hole Blower | Dispensing Nozzles | Hole Cleaning Brushes | Carbide Tipped Drill Bits

THREADED STUDS

- Chisel point stud with nut and washer.
- Available in 316 Stainless Steel, Galvanised and Zinc finish.
- Steel studs Grade 5.8.
- Depth mark for correct embedment.
- External hex driver included.
- Sizes: M12 - M24 | Lengths: 160mm - 300mm.



PURE150 PRO PURE EPOXY INJECTION ANCHOR



EXTREME PERFORMANCE PURE EPOXY ADHESIVE. ANCHOR FOR ALL CONSTRUCTION ENVIRONMENTS, COMPLIES TO INTERNATIONAL STANDARDS AND AUSTRALIA CONSTRUCTION CODE STANDARDS (NCC) SA TS 101:2015



- ETA approved for cracked and non cracked concrete.
- ETA approved for seismic C1 (non structural) and C2 (structural).
- ICC-ES approved for cracked and non cracked concrete.
- Deep embedment anchoring.
- Working time of 30 minutes at 20°C, loading/cure time of 10 hours at 20°C.
- Carbide and diamond core drilled holes (non cracked concrete).
- Horizontal, vertical and overhead applications.
- Bonds threaded rods, reinforcing bars and internal threaded sleeves.
- Low VOC & suitable for drinking water use.
- Fire rated up to 240min (rebar connections).
- Dry, wet and flooded holes.
- Close to edge and close to anchor fixings.

APPLICATIONS:

- Structural steel connections, bridges, tunnels, water infrastructure, seismic upgrades, starter bars, post installed reinforcing connections, road and rail.



PURE500+ PURE EPOXY INJECTION ANCHOR

THE PURE500+ IS A HIGH STRENGTH ADHESIVE DESIGNED FOR VARIOUS APPLICATIONS AND HOLE DRILLING TECHNIQUES, INCLUDING DIAMOND CORING, AND CLEANING TECHNIQUES.



- Approved for 100-year design life
- Approved for seismic design C1 & C2
- ETA Approved – designed for use with threaded rod or reinforcing bar in cracked and uncracked concrete
- Superior bond strength for most demanding applications
- Working time of 30 minutes at 20°C, loading/cure time of 12 hours at 20°C.
- Carbide and diamond core drilled holes (non cracked concrete).
- Dry, Wet and flooded holes.
- Low VOC & Suitable for drinking water use.
- Store for 24months (From date of manufacture) without leakage and dispensing problems often found with other epoxy systems.

APPLICATIONS:

- Structural steel connections, bridges, tunnels, dams & water infrastructure, seismic upgrades, starter bars, railway, roads, post installed reinforcing connections.



You may also need:
 Cartridge Dispensing Gun | Hand Hole Blower | Dispensing Nozzles | Hole Cleaning Brushes | Carbide Tipped Drill Bits

CHEMICAL ANCHORING SYSTEMS

AC100-PRO VINYLESTER INJECTION ANCHOR

FAST CURING, NON-SAG ADHESIVE IDEAL FOR HORIZONTAL AND VERTICAL APPLICATIONS. VERSATILE ANCHORING SYSTEM DESIGNED FOR VARIOUS APPLICATIONS.



- 18 Month shelf life from manufacture date
- Low odour level (low VOC)
- Styrene Free, Styrol free and odourless
- Fast curing time: 45 mins at 20°C
- Installation down to -10°C
- Approved for almost any application
- ETA approved threaded rod (M8-M30); Internal Threaded sleeve (M8-M20); Reinforcing bar (8-32) Cracked and uncracked concrete
- ETA masonry, solid and hollow brick (M8-M16)
- ETA Post installed rebar connection
- Good for overhead work
- Dry Hole/Wet concrete
- Flooded hole
- Concrete and cracked concrete
- Close to edge and close to anchor fixings.



PV45-PRO POLYESTER INJECTION ANCHOR

DESIGNED FOR USE IN THE INSTALLATION OF THREADED ROD IN SOLID CONCRETE AND MASONRY MATERIALS.



- 12 Months Shelf Life (from date of manufacture)
- Low Odour Level (Low VOC)
- Styrene-Free
- Curing time 45mins at 20°C
- Low Cost Fastening
- Approved for Hollow brick (M8-M16) Alkali resistant: durability of more than 50 years
- Installation down to -5°C
- ETA Approved
- LEED (leadership in Energy and Environmental Design) Approved
- Dry Hole/Wet hole approved
- Concrete; solid; hollow brick
- ETA threaded rod, uncracked concrete (M8 – M24)
- ETA Masonry, Solid and hollow brick



You may also need:
Cartridge Dispensing Gun | Hand Hole Blower | Dispensing Nozzles | Hole Cleaning Brushes | Carbide Tipped Drill Bits

THREADED STUDS

- Chisel point stud with nut and washer.
- Available in 316 Stainless Steel, Galvanised and Zinc finish.
- Steel studs Grade 5.8.
- Depth mark for correct embedment.
- External hex driver included.
- Sizes: M12 - M24 | Lengths: 160mm - 300mm.



CHEMICAL ANCHORING SYSTEMS

AC200+ HYBRID ACRYLIC INJECTION ANCHOR

THE TWO-COMPONENT, HIGH STRENGTH ADHESIVE ANCHORING SYSTEM IS SUITABLE FOR BONDING REBARS TO CONCRETE AS A POST-INSTALLED REINFORCEMENT APPLICATION.



- 18 Months shelf life (from date of manufacture)
- Low Odour Level (Low VOC)
- Curing Time 30mins at 20°C
- Designed for use with threaded rod or reinforcing bar
- Consistent performance in cracked and uncracked concrete of variable strength
- Wide range of steel element diameter and embedment depth
- Flexible fixture thickness
- Simple installation and low cleaning effort
- Wide range of ambient temperatures, very high maximum service temperature
- Cartridge design allows multiple uses using extra mixing nozzles.



EA70-PRO MASONRY INJECTION ANCHOR

EA70-PRO ADHESIVE IS DESIGNED FOR MANY APPLICATIONS SUCH AS BONDING THREADED RODS TO CONCRETE.



- Designed for use with threaded rod
- Simple and Fast Installation
- Versatile styrene free formula with quick curing time 45mins at 20°C
- Flexible embedment depths and fixture thickness
- Wide range of base material
- Cartridge design allows multiple uses using extra mixing nozzles



You may also need:

Cartridge Dispensing Gun | Hand Hole Blower | Dispensing Nozzles | Hole Cleaning Brushes | Carbide Tipped Drill Bits

THREADED STUDS

- Chisel point stud with nut and washer.
- Available in 316 Stainless Steel, Galvanised and Zinc finish.
- Steel studs Grade 5.8.
- Depth mark for correct embedment.
- External hex driver included.
- Sizes: M12 - M24 | Lengths: 160mm - 300mm.



THROUGH BOLT STUD ANCHOR

INDEPENDENTLY TESTED

Heavy duty, torque controlled through fixture anchor for permanent anchoring in solid concrete.

- Full bolt diameter expansion anchor for superior load performance.
- Anchor design generates high shear & tensile load capacity.
- Anti-rotation expansion sleeve grips the hole for correct installation.
- Choice of lengths to suit different fixture thickness.
- Available in zinc and galvanised finish.
- Diameters: From 12mm to 20mm.
- Lengths: From 80mm to 120mm.

SUITABLE FOR:

- Barriers & building façades.
- Handrails & balustrades.
- Machinery tie down.
- Seating & racking.
- Structural steelwork & fixture plates.
- Overhead anchoring.
- Scaffolding & platforms.
- Panels & cladding.
- Safety barriers.

TECHNICAL INFORMATION:

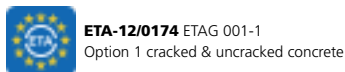
- For detailed technical information and performance reports contact your local representative or refer to the Konnect Fastening Systems® website.



You may also need:
 Rotary Drilling Machines | Carbide Drill Bits | Hole Cleaning Pump and Brushes | Drill Driver | Impact Driver

SCREWBOLT

A HIGH TENSILE ONE-PIECE HEAVY DUTY CONCRETE THREAD FORMING ANCHOR WITH A PATENTED DUAL LEAD THREAD AND A CHAMFERED TIP FOR FAST INSTALLATION WITH IMMEDIATE HIGH STRENGTH LOADING.



NATIONAL CONSTRUCTION CODE COMPLIANT SA TS 101:2015.

A high performance torque controlled, expansion sleeve style anchor for high load capacities in tension and shear. Easy to install design that produces a tight and reliable connection.

- ETA approved for cracked and uncracked concrete.
- ETA approved for Seismic C1 anchorage. Fire rated F120.
- High strength sleeve for extreme shear loads.
- Large heavy duty washer for extreme clamp down.
- Nylon compression ring for perfect expansion.
- No spinning in hole retainer nut.

APPLICATIONS:

- Structural steel connectors to concrete.
- Steel base plates to concrete.
- Machine hold down.
- Gate fixture plates.
- Safety barriers.

TECHNICAL INFORMATION:

- For detailed technical information and performance reports contact your local representative or refer to the Konnect Fastening Systems® website.



Seismic Rated
 Now Available



Loads Evolving from earthquake are termed seismic loads and are characterised by cyclic loading. The Suitability of the seismic loads is classified at Seismic Category 1.

General Nuts and Bolts

GENERAL NUTS AND BOLTS

AVAILABLE IN DIFFERENT GRADES BASED ON THE STRENGTH REQUIRED IN BOTH METRIC AND IMPERIAL SIZES.

- For Imperial the common grades are grade 5 and grade 8
- For metric, the common grades are 4.6/4.8, 8.8, 10.9 and 12.9. Each grade specifies the bolt strength and are used for differing applications. Higher tensile steel can withstand high levels of strain without losing their strength or structure.
- **Grade 8.8** high tensile steel is usually stocked in plain finish or zinc. It can be plated in many other coatings. These products are built to last and work optimally under harsh usage and should be easily identifiable via a permanent marking on the head to allow the customer to differentiate them.
- **Grade 10.9** bolts are typically used in automotive applications and for bolting large, forged parts and are often made using carbon steel and boron steel. Socket and Countersunk buttons are commonly manufactured in this grade.



Metric Head Markings		
Head Marking	Grade & Material	Nominal Size Range (inches)
	Grade 4.6/4.8 Medium carbon steel, quenched & tempered	All Sizes below M16
		M16 - M72
	Grade 8.8 Medium carbon steel, quenched & tempered	M16 - M72
	Grade 10.9 Alloy steel, quenched & tempered	M6 - M48
	Grade 12.9 Alloy steel, quenched & tempered	M6 - M48








Imperial Head Markings		
Head Marking	Grade & Material	Nominal Size Range (inches)
	Grade 2 Low or medium carbon steel	1/4 through 3/4
		Over 3/4 through 1-1/2
	Grade 5 Medium carbon steel, quenched & tempered	1/4 through 1
		Over 1 through 1-1/2
	Grade 8 Medium carbon steel, quenched & tempered	1/4 through 1-1/2

- Different finishes are applied to fasteners to provide some protection against corrosion. The most common corrosion protective coatings are Plain, Zinc Plated, Zinc Yellow Passivate, and Galvanised.

Coating			
Plain	Zinc Yellow Passivate	ZINC PLATED	Galvanised

STAINLESS STEEL FASTENERS

CORROSION RESISTANT, STAINLESS STEEL FASTENERS HAVE AN ATTRACTIVE FINISH. THEY'RE VERSATILE AND PERFECT FOR A WIDE RANGE OF BUILDING

Benefits of Stainless Steel		
CORROSION RESISTANCE		All stainless steels have a high resistance to corrosion. Low alloyed grades resist corrosion in atmospheric conditions; highly alloyed grades can resist corrosion in acids, alkaline solutions, and chloride bearing environments, even at elevated temperatures and pressures.
HIGH AND LOW TEMPERATURE RESISTANCE		Some grades will resist scaling and maintain high strength at very high temperatures, while others show exceptional toughness at cryogenic temperatures.
EASE OF FABRICATION		The majority of stainless steels can be cut, welded, formed, machined and fabricated readily.
STRENGTH		The cold work hardening properties of many stainless steels can be used in design to reduce material thickness and reduce weight and costs. Other stainless steels may be heat treated to make very high strength components.
AESTHETIC APPEAL		Stainless steel is available in many surface finishes. It is easily maintained resulting in a high quality, pleasing appearance.
HYGIENIC PROPERTIES		The cleanability of stainless steel makes it the first choice in hospitals, kitchens, food and pharmaceutical processing facilities.
LIFE CYCLE		Stainless steel is a durable, low maintenance material and is often the least expensive choice in a life cycle cost comparison.



Grade 304: Stainless Steel Grade 304 resists rusting and corrosion, whilst offering durability.

Grade 304: Suitable for most applications except where a harsh environment exists.



Grade 316: Stainless Steel Grade 316 is the preferred choice for use in and close by to marine environments due to its better corrosion resistance.

Grade 316: Is suitable for use in marine, food & harsher environments where 304 is not recommended.

ABRASIVES

CUTTING, GRINDING & FINISHING



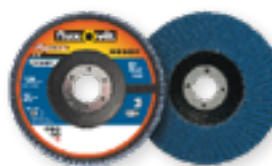
Flexovit® Metal Grinding Wheels
Metal Depressed Centre Grinding Wheels for use on ferrous metal welds and structural steels. Excellent life and performance.



Flexovit® Ultra-Thin Cut-Off Wheels
Mega Inox Ultra-Thin Cut-Off Wheels for cutting very hard ferrous metals and stainless steel.



Flexovit® Metal Cut-Off Wheels
General Purpose Metal Cutting Wheels for use on ferrous metals with excellent life and performance.



Flexovit® Zirconia Flap Discs
Designed for grinding/finishing of welds, rust removal and deburring.



Flexovit® Low Speed Cut Off Wheels
Suitable for most 240V electric cut off machines. Fast cutting of ferrous metals including bar and tubing.



Norton BDX Ultra-Thin Stainless Steel Cut Off Discs
Ultra thin fast straight cutting with low material loss | For steel and stainless | Durable resin bond designed for long life | Available in 100mm, 115mm and 125mm



Norton BDX Metal Cut Off Discs
Metal Cutting Wheels for use on ferrous metals | Fast straight cutting | For steel and stainless | Durable resin bond designed for long life | Available in 100mm, 115mm, 125mm and 230mm



Norton BDX Metal Grinding Discs
Excellent depressed centre grinding wheel | For fast stock removal of steel, stainless and hard ferrous metals | Fillers free of iron, sulphur and chlorine | Excellent depressed centre grinding wheel | Available in 100mm, 115mm, 125mm and 230mm



Norton BDX Flap Discs
Manufactured with zirconia grain specially developed for use in flap discs, providing greater aggression and fast stock removal | Improved cloth backing for better strength, flexibility and wear resistance | Has self-sharpening properties with controlled grain fracturing continuously producing sharp, new abrasive points | Available in 100mm, 115mm and 125mm



Norton BDX Low Speed Cut Off Wheels
BDX cutting & grinding wheels suit the most popular power tools, including both corded and cordless right angle grinders | Fast straight cutting on low speed chop saw | For steel and stainless | Durable resin bond designed for long life

DRILL BITS

suttontools LONG SERIES DRILLS



IDEAL FOR DRILLING DEEPER HOLES.
Made from European high Speed Steel, Available in Metric and Imperial sizes, Metric diameter from: 2.0mm to 13.0 mm, Drilling length from: 57mm to 121mm, extra long reach also available in certain sizes.

suttontools REDUCED SHANK



FOR GENERAL PURPOSE ROTARY DRILLING INTO CONCRETE
Small to medium diameter hole drilling | Self-centering head | Excellent swarf removal | Diameters from 5mm to 26mm | Length: from 110mm to 450mm.

suttontools STRAIGHT SHANK (2 CUTTER CARBIDE HEAD) MASONRY DRILL



FOR PERCUSSION DRILLING MACHINES
Double Sprial Flute, Brazed tip, TCT Point, Size: from 3mm to 13mm, Length: from 60mm to 120mm.

suttontools HIGH SPEED JOBBER DRILLS



FOR DRILLING METAL, WOOD AND PLASTIC
118 Split point minimising wandering when starting, Reduced shank on on larger sizes suit 10mm drill chucks, Made from high speed steel. Available in both Metric and Imperial, Metric sizes from: 1.0mm to 13.0mm.

SAFETY



Eyewear

AS/NZS 1337.1:2010 Standards Approved | Anti-Scratch costing to reduce marking and dirt build up | Superior Anti-Fog Coating for use in humid environments | UV400 fitter for 100%UV Protection Outdoors | Polarised Lens



Leather Rigger Gloves

Beige in colour and available in sizes Small – 2X Large



Gloves

The most lightweight multipurpose glove, providing superior grip and dexterity in wet, dry and oily conditions



Croc Grip Multi-purpose Glove Clip

Available in six colours (Black, Blue, Orange, Yellow, Pink and Red) in packs of 20.



Disposable Foam Ear plugs

Uncorded or corded poly packs, with a foam material and available in packs of 5 pairs or 10 pairs.



250kg & 500kg 3S Leaver Block

Manufactured to AS 1418.2 High Quality aluminium housing | Easy handling with low physical force on lever | Fully protected mechanism for low maintenance cost | Easy adjustment by free chaining mode



Trade Ear Muff

Class 4 24 dBA and Class 5 30dBA available.



High Impact Face Shield w/ Chin Guard

Clear in Colour, with a replacement visor available.



Clear View Hard Hat

UV400 Stabilised and vented, with 6 point webbing hardness | AS/NZS 1801 Approved | Available in Blue, Clear, Green, Orange, Pink, Red, Smoke and Yellow.



Disposable Dust Masks

Molded nose bridge seals easily without a metal noseband | Facepiece is naturally contoured for less pressure



Safety Harness with Quick Release Buckles

Fully body harness that comes with front and rear fall arrest attachment points.



Full Body Harness c/w Rear & Front Fall Arrest Attachment Points

Full body harness with 2 attachment points | The mesh panel gives the harness form and ease of wear



Barrier Tape

100m X 75mm roll.



Safety Vest

Available in yellow & orange | Sizes from small to 5X Large.



Traffic Cone

700mm non-reflective



Roofers Kit

Complete Roof Worker's Kit. All items comply to AS/NZS standards.

LIFTING & RIGGING



Shackle Bow Grade 5 Galvanised 8X10mm WLL 0.75T

A rated shackle that meet the requirement of AS 2741 | Grade 5 Shackles are the most common shackles used in lifting applications | High strength to size ratio



Multi Purpose 50mm X 9m Ratchet Tie Down Assembly With Hook & Keeper

Ratchet Assemblies comply to Australian Cargo restraint System Standards AS/NZS 4380



Roundsling Mega 1000Kg x 1.0m

Synthetic Round Lifting Sling | Manufactured to AS 4497 | Supplied with Test certificate | All-purpose lifting sling | Continuous loop made from polyester yarn encased in a sleeve of polyester or nylon fabric



Eye Nut DIN582 Gold

Available in a range of threads, including BSW, UNC, and Metric, and are predominately used for lifting applications. This eyebolt is rated to DIN 582.



Turnbuckle Commercial

Eye and Eye Commercial Galvanised Turnbuckles



Shackle Dee Grade 5 Galvanised 10X11mm WLL 1.0T

A rated shackle that meet the requirement of AS 2741 | Grade 5 Shackles are the most common shackles used in lifting applications | High strength to size ratio



Multi Purpose 35mm Ratchet Tie Down Assembly

Ratchet Assemblies comply to Australian Cargo restraint System Standards AS/NZS 4380



Roundsling Mega 2000Kg x 2.0m

Synthetic Round Lifting Sling | Manufactured to AS 4497 | Supplied with Test certificate | All-purpose lifting sling | Continuous loop made from polyester yarn encased in a sleeve of polyester or nylon fabric



Eyebolt 2P Metric WLL 340kg Large Eye 12mm

Lifting Eye Bolts – Metric shouldered to DIN 580 | Gold Zinc Dichromate Finish | Conforms to AS2317-194



Turnbuckle Commercial Galvanised

Hook and Eye Commercial Galvanised Turnbuckles

* Products listed on this page are available in selected branches only.

POWER TOOLS



MAXIMISE JOB SITE PRODUCTIVITY.



M18 FUEL

Milwaukee® M18 FUEL™ 6 Piece Power Pack (KIT)



M18 FUEL

Milwaukee® M18 FUEL™ 4 Piece Power Pack (KIT)



M18 FUEL

Milwaukee® M18 FUEL™ 2 Piece Power Pack (KIT)



M18 FUEL

Milwaukee® M18 FUEL™ SAWZALL™ Reciprocating Saw (Tool Only)



M18 FUEL

Milwaukee® M12™ & M18™ Rapid Charge Station (Tool Only)



M18 FUEL

Milwaukee® M18 FUEL™ Hammervac™ 26mm Dedicated Dust Extractor (Tool Only)



M18 FUEL

Milwaukee® M18 FUEL™ 203mm (8") Metal Cutting Circular Saw



M18 FUEL

Milwaukee® M18 FUEL™ 38mm Magnetic Drill (Tool only)



M18 FUEL

Milwaukee® M18 FUEL™ 1/2" High Torque Impact Wrench with Pin Detent (Tool Only)



M18 FUEL

Milwaukee® M18 FUEL™ 125mm (5") Angle Grinder With Deadman Paddle Switch (Tool Only)



M18 FUEL

Milwaukee® M18 FUEL™ Deep Cut Dual-trigger Band Saw (Tool Only)



M18 FUEL

Milwaukee® M18 FUEL™ 28mm SDS Plus Rotary Hammer (Tool Only)

MILWAUKEE® Drill bits

Milwaukee SDS PLUS AND SDS MAX VACUUM DRILL BITS



The 4-cutter tip design delivers durability in concrete and concrete with rebar applications. The combination of dust extraction holes at the bit tip and the hollow shaft design allow dust to be removed through the bit while drilling holes, reducing airborne silica dust in the process. Made in Germany.

Milwaukee SDS PLUS and SDS MAX Flat Wide Chisel 250 X 40



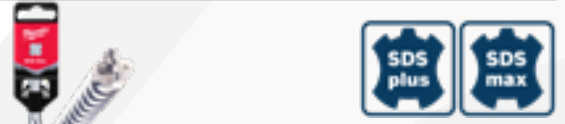
General purpose flat edge chisel with added width for greater material removal. Ideal for a large range of breaking and cutting, as well as general demolition. Premium, high performance pointed chisel with reinforced tip design to provide longer life. Made in Germany.

Milwaukee SDS PLUS Drive (2 Cutter Carbide Head) Drill Bits



For general purpose rotary drilling into concrete. Small to medium diameter hole drilling, self-centering head, excellent swarf removal, diameters from 4mm to 26mm, length from 110mm to 1,000mm. Made in Germany

Milwaukee SDS PLUS and SDS MAX Drive (4 Cutter Carbide Head) Drill Bits



Fast, high performance rotary drilling into concrete and rebar. 4 Flute Geometry ensures the optimum removal of dust and debris. 4 breaker points pulverise material more efficiently. Centering tip for easy spot drilling with pinpoint accuracy. Enhanced rebar guards., SDS PLUS bits: diameters from 5mm to 32mm, length: from 110mm to 1,000mm. SDS MAX bits: diameters from 12mm to 52mm, length from 340mm to 1,320mm. Made in Germany.

MILWAUKEE® Hand Tools



SNAP-OFF KNIFE 18MM
48221961

Designed for maximum durability that will hold up to jobsite conditions up to 10x longer.



PRECISION SNAP-OFF BLADES 18MM (10 PK)
48229118

Designed to maximise cutting performance and durability in most common jobsite materials.



SAWZALL BLADE 230MM (PK)
48005342

These multi-material SAWZALL® blades offer up to 50X more life vs. bi-metal reciprocating saw blades.



20OZ CURVED CLAW HAMMER
48229080

The hammer features a shockshield grip, which results in vibration reduction and will not peel over time.



ADJUSTABLE WRENCH 305MM (12")
48227412

The ergonomic handle form has been designed for maximum comfort and won't dig into the palms.



REDSTICK™ MAGNETIC BOX LEVEL (24")
MLBXM24

Industry-leading performance with maximised vial readability, frame durability, and magnet strength.



LINEMAN'S PLIERS 230MM W/ CRIMPER
48226100

The pliers' head features integrated reaming ridges (patent pending) for removing burrs from the inside of smooth pipe



TIN SNIPS SET 3PK
48224533

Milwaukee® Aviation Snips are built for long life and durability. Forged blades deliver more cuts than cast blades.



COMPACT MAGNETIC TAPE MEASURE 10M
48220510

The tape is wear and impact-resistant with nylon blade protection and an additional anti-tear coating on the first 15cm of the blade



COMPACT HACKSAW
48220012

The MILWAUKEE Compact Hack Saw features a compact design that is ideal for small cutting applications.



BOLD LINE CHALK REEL KIT 30M (W/ BLUE CHALK)
48223982

MILWAUKEE chalk reels features fast retraction ratio of 6:1. High strength braided bold line creates clear, bold lines and resist abrasion from tough jobsite conditions.



BOLD REPLACEMENT LINE 30M
48223989

High strength braided bold line for MILWAUKEE chalk reels. Also available in fine line.

OUR SERVICES

Konnect Fastening Systems® is an Industry leader in Industrial & Construction Fastening Systems & Supplies across Australia and New Zealand with a proud history of servicing the mining, construction, petrochemical and manufacturing industries.

Konnect Fastening Systems® places a great emphasis on our ability to deliver:

- Quality Products
- Prompt and Accurate Delivery
- Quality Customer Service
- Technical Assistance
- Specially Manufactured Products

KONNECT FASTENING SYSTEMS® ADVANTAGES

There is a lot more to fasteners than just simple nuts and bolts; the suitability of a fastening is highly dependant on its application.

The selection process must establish the strength required (material grade), corrosion factors (protective coatings), head type and thread form fit. That's why it is important to use a specialist such as Konnect Fastening Systems®. Our extensive industry experience enables us to provide support for all types of fasteners for a wide range of applications. Access to information and our ability to source many different materials and coatings means you can be assured that you are receiving comprehensive support made possible by our experience and long standing supply partnerships.

ON SITE SERVICES

Konnect Fastening Systems® can offer fully customised on-site containers that provide an on-site 'warehouse' stocked with a arrange of products relevant to your business or project. This means stock is on site and ready to go whenever it is required without costly delays. A Konnect Fastening Systems® representative will visit the site at selected intervals to record usage and issue an invoice.



Containers are fitted with appropriate lighting and shelving and can be assembled and stocked ready for transport to site. Due to our large range it can sometimes be difficult to select the appropriate product mix for a site and Konnect Fastening Systems® can also help in this areas. We have generic product mixes developed for several major industries including construction, mining projects, infrastructure projects, coal seam gas projects, fabrication workshops and more.

BRANCHES



ALSO AVAILABLE AT:

Nubco Burnie - 17 Main Road, Wivenhoe TAS 7320 ■ Ph: (03) 6431 9009
Nubco Launceston - 93 Forster Street, Invermay TAS 7248 ■ Ph: (03) 6332 6000
Cooper Fluid Systems Mackay - 8 Michelmores Street, Paget QLD 4740 ■ Ph: (07) 4952 4844
Cooper Fluid Systems Kalgoorlie - 16 Atbara Street, Kalgoorlie WA 6430 ■ Ph: (08) 9021 4000
Cooper Fluid Systems Newman - 26D Woodstock Street, Newman WA 6753 ■ Ph: (08) 6272 5333

AUSTRALIA — Ph: 1300 KONNECT (566 632) ■ Web: konnctfasteningsystems.com.au

QUEENSLAND	TELEPHONE	OPENING HOURS
BRENDALE 61 Kremzow Road, Brendale QLD 4500	(07) 3265 6111	Monday to Friday - 7:00am to 4:00pm
CAIRNS 248 Hartley Street Bungalow QLD 4870	(07) 4035 5600	Monday to Friday - 7:30am to 4:00pm
GLADSTONE 118 Hanson Road, Gladstone QLD 4680	(07) 4972 5511	Monday to Friday - 7:30am to 4:00pm
GOLD COAST 34 Taree Street, West Burleigh QLD 4220	(07) 5593 6588	Monday to Friday - 7:00am to 4:00pm
MACKAY 7B Progress Drive, Paget QLD 4740	(07) 4952 6867	Monday to Friday - 7:30am to 4:00pm
MOUNT ISA 47 West Street, Mount Isa QLD 4825	(07) 4743 9788	Monday to Friday - 7:30am to 4:00pm
PINKENBA Building 2/660 MacArthur Avenue, Pinkenba QLD 4008	(07) 3291 8200	Monday to Friday - 7:00am to 4:00pm
ROCKHAMPTON Unit 2/223 Denison St, Rockhampton QLD 4700	(07) 4921 7300	Monday to Friday - 7:30am to 4:00pm
SUNSHINE COAST 12A Robert Drive, Kunda Park QLD 4556	(07) 5451 0388	Monday to Friday - 7:00am to 4:00pm
TOOWOOMBA 10 Tradewinds Court, Toowoomba QLD 4350	(07) 4633 1777	Monday to Friday - 7:30am to 4:00pm
TOWNSVILLE 92-94 Duckworth Street, Garbutt, Townsville QLD 4814	(07) 4728 6633	Monday to Friday - 7:30am to 4:00pm
WACOL Unit 1/1318 Boundary Road, Wacol QLD 4076	(07) 3879 3043	Monday to Friday - 7:30am to 4:30pm
NEW SOUTH WALES	TELEPHONE	OPENING HOURS
ALEXANDRIA Unit 2, 64-66 Burrows Road, Alexandria NSW 2015	(02) 9698 9566	Monday to Friday - 7:00am to 4:30pm
ARTARMON 58 Whiting Street, Artarmon NSW 2064	(02) 9438 3677	Monday to Friday - 7:00am to 4:00pm
LISMORE Unit 1/7 Krauss Avenue, South Lismore NSW 2480	(02) 6621 9677	Monday to Friday - 7:00am to 4:30pm
NEWCASTLE Unit 1/4 Birraba Avenue Beresfield NSW 2322	(02) 4966 3002	Monday to Friday - 7:30am to 4:30pm
ORANGE 203 Byng Street, Orange NSW 2800	(02) 6369 1622	Monday to Friday - 7:30am to 4:30pm
TAMWORTH 60 Dampier Street, Tamworth NSW 2340	(02) 6763 8600	Monday to Friday - 7:30am to 4:30pm
WAGGA 9 Dobney Avenue, Wagga NSW 2650	(02) 6925 6700	Monday to Friday - 7:30am to 4:30pm
WETHERILL PARK 6 Nello Place Wetherill Park NSW 2164	(02) 9616 6100	Monday to Friday - 7:30am to 4:30pm
WOLLONGONG Unit 1/7 Waverley Drive, Unanderra NSW 2526	(02) 4225 3744	Monday to Friday - 7:30am to 4:30pm
AUSTRALIAN CAPITAL TERRITORY	TELEPHONE	OPENING HOURS
CANBERRA Unit 5/19 Tennant Street, Fyshwick ACT 2609	(02) 6192 6000	Monday to Friday - 7:30am to 4:30pm
VICTORIA	TELEPHONE	OPENING HOURS
CAMPBELLFIELD Unit 8/1880 Hume Highway Campbellfield VIC 3061	(03) 9357 2755	Monday to Friday - 7:30am to 4:30pm
DANDENONG Unit 5/2 Indian Drive Keysborough VIC 3173	(03) 9793 3644	Monday to Friday - 7:30am to 4:30pm
GEELONG 18A Tarkin Court, Bell Park, Geelong VIC 3215	(03) 5277 2063	Monday to Friday - 7:30am to 4:30pm
LAVERTON Unit 4/151 Dohertys Road, Laverton VIC 3026	(03) 9368 7955	Monday to Friday - 7:30am to 4:30pm
MILDURA 53 Seventh Street East, Mildura VIC 3500	(03) 5021 2311	Monday to Friday - 7:30am to 4:30pm
SHEPPARTON 84 Benalla Road, Shepparton VIC 3630	(03) 5831 2577	Monday to Friday - 7:30am to 4:30pm
TASMANIA	TELEPHONE	OPENING HOURS
HOBART 71B Charles Street, Moonah TAS 7009	(03) 6272 8794	Monday to Friday - 7:30am to 4:30pm
SOUTH AUSTRALIA	TELEPHONE	OPENING HOURS
LONSDALE 6 Aldershot Road, Lonsdale SA 5160	(08) 8326 4122	Monday to Friday - 8:00am to 4:30pm
MOUNT GAMBIER 321 Commercial St W, Mount Gambier SA 5290	(08) 8723 8300	Monday to Friday - 7:30am to 4:30pm
WINGFIELD 13 Rosberg Road, Wingfield SA 5013	(08) 8300 8700	Monday to Friday - 7:30am to 4:30pm
WESTERN AUSTRALIA	TELEPHONE	OPENING HOURS
BIBRA LAKE Unit 2/13 Discovery Drive, Bibra Lake WA 6163	(08) 9331 2455	Mon to Thurs - 7:30am to 4:30pm; Fri - 7:30am to 4:00pm
BUNBURY Corner Proffit Street & Wilson Road, Bunbury WA 6230	(08) 9724 2500	Mon to Thurs - 7:30am to 4:30pm; Fri - 7:30am to 4:00pm
KALGOORLIE 200 Boulder Road South Kalgoorlie WA 6430	(08) 9021 9550	Monday to Friday - 7:30am to 4:30pm
KWINANA 36 Mandurah Road, Kwinana WA 6167	(08) 9439 7000	Mon to Thurs - 7:30am to 4:30pm; Fri - 7:30am to 3:30pm
OSBORNE PARK Unit 1B/15 Hector Street West, Osborne Park WA 6017	(08) 9244 4555	Mon to Thurs - 7:00am to 4:00pm; Fri - 7:00am to 3:30pm
REDCLIFFE Gate 4, 52 Redcliffe Rd, Redcliffe WA 6104	(08) 9350 3624	Mon to Thurs - 7:00am to 4:30pm; Fri - 7:00am to 4:00pm

NEW ZEALAND — Ph: 0508 KONNECT (566 632) ■ Web: konnctfasteningsystems.co.nz

NORTH ISLAND	TELEPHONE	OPENING HOURS
ALBANY Unit K/118 Bush Road, Albany, Auckland 0632	(09) 477 0480	Monday to Friday - 7:30am to 4:30pm
EAST TAMAKI 11 Bruce Roderick Drive, East Tamaki, Auckland 2013	(09) 276 0760	Monday to Friday - 7:00am to 4:30pm
HAMILTON 31 Tawn Place, Te Rapa, Hamilton 3200	(07) 848 1290	Monday to Friday - 7:30am to 4:30pm
MT MAUNGANUI 95B Hull Road, Mt Maunganui 3116	(07) 929 6849	Monday to Friday - 7:30am to 4:30pm
NAPIER 62 Austin Street, Onekawa, Napier 4110	(06) 873 9500	Monday to Friday - 7:30am to 4:30pm
NEW PLYMOUTH 53A Hurlstone Drive, New Plymouth 4312	(06) 769 6745	Monday to Friday - 7:30am to 4:30pm
PENROSE 27B Cain Road, Penrose, Auckland 1061	(09) 477 0484	Monday to Friday - 7:30am to 4:00pm
ROTORUA Unit 1/5 Waterford Street, Mangakakahi, Rotorua 3015	(07) 343 6722	Monday to Friday - 7:30am to 4:30pm
SILVERDALE 15A Foundry Road, Stanmore Bay, Silverdale 0932	(09) 974 2103	Monday to Friday - 7:30am to 4:00pm
WELLINGTON 18 Centennial Highway, Ngauranga Gorge, Wellington 6035	(04) 499 3292	Monday to Friday - 7:30am to 4:30pm
WHANGAREI Unit 2/17 Dyer Street, Whangarei 0110	(09) 438 1080	Monday to Friday - 7:30am to 4:30pm
SOUTH ISLAND	TELEPHONE	OPENING HOURS
CHRISTCHURCH 117 Wrights Road, Riccarton, Christchurch 8041	(03) 338 8825	Monday to Friday - 7:30am to 5:00pm
DUNEDIN Corner Crawford and Gordon Streets, Dunedin 9016	(03) 477 7369	Monday to Friday - 7:30am to 4:30pm
INVERCARGILL 146 Mersey Street, Invercargill 9810	(03) 302 6284	Monday to Friday - 8:00am to 5:00pm
NELSON Unit 2B/7 Nayland Road, Stoke, Nelson 7011	(03) 547 2681	Monday to Friday - 7:30am to 5:00pm
TIMARU Unit 1/26 Washdyke Flat Rd, Timaru 7910	(03) 927 2514	Monday to Friday - 8:00am to 5:00pm