

Registration of interest and statement of capability

for the design, supply and hire of standard
and special formwork systems, heavy duty
shoring, scaffolding and accessories.

R•M•D
AUSTRALIA



Quality
Endorsed
Company

ISO 9001 Lic1205
SAI Global

Prepared By: RMD Australia
Head Office: 66 Bennet Avenue, Melrose Park SA 5039
Tel: (08) 8179 8200 **Fax:** (08) 8179 8201
Website: www.rmdaustralia.com.au
Email: rmd.australia@rmdformwork.com



Harvey Dam, Harvey, WA

Contents

<i>Introduction</i>	3
<i>RMD's Mission Statement</i>	3
<i>Background</i>	3
<i>Meeting Customers' Needs</i>	3
<i>RMD Commitment to Quality</i>	3
<i>Support Services</i>	4
<i>Product Design</i>	4
<i>RMD Personnel</i>	4
<i>Products</i>	4
1. <i>Formwork</i>	6
2. <i>Shoring</i>	10
3. <i>Scaffolding</i>	13
4. <i>Tie Systems</i>	14
5. <i>Other Products</i>	14
<i>Branch Network</i>	15
<i>Comprehensive Engineering Support</i>	15
<i>RMD Administration</i>	16
<i>Recent Major Projects</i>	16

"Whether it be the complex engineering requirements of major infrastructure projects or the speed of construction of industry and commerce, RMD Australia, through its powerful engineering resource, stands ready to work in partnership with its customers."

Hugh Johnson
Managing Director of RMD Australia



RMD Australia's Head Office



Satisfied clients - Joe Dujmovic, Project Director of DTMT and Arnold Penning the Site Supervisor - Telfer Mine



Quality Endorsed Company
 ISO 9001 Lic1205
 SAI Global

Introduction

The purpose of this document is to outline the capabilities of **RMD Australia** in the supply and support of a range of highly productive formwork, shoring and scaffolding products and accessories.

This document also provides background details in relation to RMD Australia, outlining its extensive experience in the construction industry, and highlighting the company resources it makes available to its clients.

Further information regarding RMD Australia's products, services and major projects supported are available on our website:

<http://www.rmdaustralia.com.au>

RMD's Mission Statement

"RMD is a customer-driven business. By understanding why our customers prefer to buy from us, we will:

- tailor our products and services to their needs
- offer compelling value
- succeed by doing not talking

In this way, we will create a sustainable competitive advantage and establish the basis for future growth in all of our worldwide markets."

Background

RMD Australia is a subsidiary of **Interserve Plc**, a major UK construction and services related group that operates in many countries around the world.

RMD Australia has built a reputation over 50 years for providing innovative and cost effective solutions for the formwork, shoring and scaffolding requirements of contractors and subcontractors, based on quality of service and technical excellence. To maintain this reputation and to continue to provide superior service, RMD Australia has established a network of 17 branches around the nation, all strategically located to provide sales, design and equipment supply facilities.

The core business of RMD Australia is hire and sale of formwork, scaffolding, shoring and related construction equipment and support services to the civil and commercial construction sectors. From the time it was established in 1953, RMD Australia has provided equipment that has been used extensively on a wide range of diverse projects around Australia, particularly those requiring a degree of construction complexity where RMD system and design expertise have been utilised to their full advantage.

Recently introduced products, such as: Airodek; Alshor Plus; Minima; Reflex and Rapidshor have been designed based on the criteria that they are innovative, highly productive and have enhanced safety.

RMD Australia is associated with other RMD companies around the world:

- | | | | |
|------------------|-----------|-------------|---------------|
| • United Kingdom | • USA | • Hong Kong | • Korea |
| • Portugal | • Ireland | • Spain | • Philippines |
| • New Zealand | • UAE | • Qatar | • Chile |

Meeting Customers' Needs

The company has built a vast portfolio of clients on two fundamental principles. Firstly, a commitment to meet the specific needs of every customer through a combination of innovative engineering designs and world-class service. Secondly, an unshakeable belief in the value of developing long term and mutually rewarding relationships in which RMD Australia can add value to its customers' businesses.

RMD Commitment to Quality

RMD Australia is accredited to AS 3901/ISO 9001 Quality Systems, for design, development, production, installation and servicing.

Our company-wide commitment to quality and our aim to exceed our customers' expectations, helps us to sell and hire a consistently high standard of construction equipment and provide an exceptional level of service, which leads to higher customer satisfaction.



Mark Newton, Senior Engineer



Dave Hartley,
Engineering Director

Paul McNeece,
Finance Director



Hugh Johnson, Managing Director



Telfer Mine, Great Sandy Desert, WA

Support Services

Equipment hire is just one of the ways in which RMD Australia adds value. Apart from helping customers to eliminate high capital expenditure, and the future need to maintain and store redundant equipment, RMD Australia's hire services include a range of support services, free of charge that simplify on-site erection. These include full technical assessment of project needs, on-going consultation during design development, assistance with value engineering, detailed commercial and engineering proposals, engineered erection drawings, method statements and design calculations. All technical recommendations meet the Australian Standards for formwork and scaffolding.

Product Design

The vast majority of the equipment hired and sold by RMD Australia has been designed by the company. Extensive design experience provided by the worldwide resources of the RMD group of companies ensures that designs for both standard and non-standard applications compare favourably with the best available in the world.

RMD Personnel

RMD Australia is proud to be able to offer a wealth of experience and expertise in formwork, scaffolding and shoring system solutions and undertakes to provide, at all times, the necessary experienced personnel to ensure the timely attainment of project requirements. RMD Australia also has the added advantage of ready access to other experienced personnel in our affiliated companies around the world.

The senior management of RMD Australia are located in our Head Office in Adelaide. They comprise of our Managing Director, **Hugh Johnson**; Engineering Director, **Dave Hartley**; and Finance Director, **Paul McNeece**.

Our Regional Managers are: **Andrew Box** (QLD); **Padman Aiyer** (NSW/ACT); **Peter Muirhead** (VIC/TAS); **Chris Wood** (WA); and **Tony Costanzo** (SA/NT).

Products

"Off The Shelf" Products - RMD Australia is the name behind versatile - "off the shelf" products that have become a benchmark of excellence throughout the construction industry. Products like Rapidshor, RMD's lighter weight 74kN shoring system, Alshor Plus, an aluminium shoring system with upto 120kN per leg, Megashor, a heavy duty propping system with an unrivalled 1000kN leg capacity, and Super Slim Soldiers which offer a very high strength-to-weight ratio for crane-handled formwork systems. The range of RMD formwork systems also includes the Rapid Ply panel system, Minima panel system, Reflex circular wall system and the Airodek high productivity soffit system. RMD Australia also has a comprehensive range of scaffolding products, including Rapidstage, which is an extremely versatile modular system that can be used for all types of access scaffolding requirements.

Special Products - To complement what is widely acknowledged as one of the best and most comprehensive standard product ranges in the world, RMD Australia also offers a diverse range of special products individually designed to meet specific project requirements.

Often the most economical solution is a combination of standard and special products.

Working together as a team to provide quality, cost-effective, versatile solutions that more than meet your construction requirements, RMD Australia has the products, experience and capability you need.



RMD Australia's Products

- 1. Formwork** 6
 - 1.1 *Airodek* 6
 - 1.2 *Reflex* 6
 - 1.3 *Rapid Ply* 7
 - 1.4 *Minima* 7
 - 1.5 *Rollback* 8
 - 1.6 *Special Formwork* 8
 - 1.7 *Super Slim Soldiers* 8
 - 1.8 *Aluminium Beams* 9

- 2. Shoring** 10
 - 2.1 *Megashor* 10
 - 2.2 *Rapidshor* 10
 - 2.3 *Alshor Plus* 11
 - 2.4 *Slimshor* 11
 - 2.5 *Trishore and Strongshor* 12
 - 2.6 *Props* 12
 - 2.7 *Trench Struts* 12

- 3. Scaffolding** 13
 - 3.1 *Rapidstage* 13
 - 3.2 *Tube and Fittings* 13

- 4. Tie Systems** 14
 - 4.1 *She-Bolt System* 14
 - 4.2 *Rapid Tie System* 14
 - 4.3 *RMD Rapid Anchor* 14
 - 4.4 *Rapid Tie She Bolt* 14

- 5. Other Products** 14





Airodek, MegaCentre, Brisbane, QLD

1. FORMWORK

1.1 Airodek

high productivity soffit system

Airodek is a low-weight, high productivity, simple slab formwork system, suitable for slabs of up to a depth of 700mm. Its quick, safe and simple assembly process enables one man to erect up to 40m² in an hour, significantly reducing construction time and labour requirements and thereby your costs.

Airodek's system of lightweight aluminium panels and minimum number of components means 30% less weight and 40% fewer parts than conventional props and timber. Furthermore the system is 25% lighter in weight than other systems using primary beams and panels. All of these features save time, labour and money.

Other **key benefits** of the Airodek system are:

- The unique Airodek Crown simultaneously locates the corners of up to 4 panels, ensuring the panels cannot easily be dislodged, **increasing site safety**.
- Powder coated panels prevent the adhesion of fresh concrete, **minimising cleaning and maintenance costs**.
- The quick strip support system, where panels and deck beams are removed during the early stages of concrete curing, results in higher re-use of panels and beams, **reducing the total amount of soffit formwork required**.
- Airodek panels and beams are erected from below the soffit, **minimizing the safety hazards associated with erecting panels from above**.

There are three Airodek system options:

Panels and Props - The panels are supported by the Crowns and props. The whole system is struck once the concrete has gained sufficient strength.

Panels, Deck Beams, Dropheads and Shoring – A quick strip system, where the Panels and Deck Beams are removed during the early stages of curing, whilst the Dropheads and shoring remain supporting the concrete.

Skeletal System – The Deck Beams sit in the Drophead and the Airodek Soffit Beam spans between the deck Beams supporting the plywood. The Deck Beams and Soffit Beams can be struck and removed, leaving the plywood supported by the Dropheads and shoring.

Airodek offers a wide selection of propping heights depending on loading and the method of support utilised. The key methods of support include: props; the Rapidshor shoring system; or the new Alshor Plus shoring system, **these alternatives provide you with flexible solutions for most propping requirements**.

1.2 Reflex

curved walls the easy way

RMD Australia is aware of the need for an innovative, flexible and easy to use solution for the construction of circular concrete structures in Australia. Consequently we have developed REFLEX it's RMD's solution for the cost effective forming of reinforced concrete curved walls.

Traditional methods of curved wall construction are labour intensive because of all the time needed to constantly assemble, disassemble and modify the system being used. Reflex is a pre-assembled, adjustable panel that is easily and quickly adjusted for the setting of all curves efficiently and accurately.

The key benefits of the Reflex system are:

- It has a steel frame, which means it is strong, withstanding concrete pressures of up to 60kN/m². Furthermore it is galvanised and is thus easy to maintain.
- It is easily adjusted for re-use without dismantling, which eliminates the risk of component loss and improves on-site productivity.
- Its high-grade form ply face produces a good quality concrete finish.
- Reflex access platforms and guardrails provide a safe and secure working platform during site operations.
- Manufacturing costs for Reflex have been kept to a minimum. This factor combined with labour savings allows Reflex to be priced very competitively.



Reflex, Daintree, QLD



Rapid Ply, Molonglo Dam, Canberra

1.3 Rapid Ply

a versatile, modular formwork system

Designed from on-site experience and a full understanding of contractors needs. RMD Australia's Rapid Ply is a versatile system of modular formwork panels for straight or curved walls and also suitable for small slab, beam and column formwork.

Why RMD's Rapid Ply formwork system is the best:

- Efficient edge section design using high tensile steel means more rigid frames, less prone to damage and reduces the weight by approximately 5kg per square metre compared to similar systems.
- The special high grade, phenolic resin film coated plywood is fitted flush with the frame and firmly secured with rivets from the rear of the panel, providing a smooth finish to F3 standard.
- The Circular Rapid Snap Tie system using a standard 50mm breakback prevents spalling of the finished concrete surface.
- Dual Purpose Wedges speed erection and reduce inventory problems.
- It is a highly versatile system with a comprehensive range of components and accessories and it can be used for straight or circular walls using either erect and strip or gangform methods. Panels can also be used for simple slab, beam or column formwork.

The erection and striking of Rapid Ply is fast and straight forward and only needs a team of two.



Kilt Brook Bridge, WA

1.4 Minima

panel formwork system

MINIMA is the latest addition to RMD Australia's range of wall formwork systems – it's an excellent solution for fast and cost effective forming of concrete walls.

With 19 panel sizes available Minima can easily be assembled into most layout combinations and pour heights and because many of the panels are lighter weight than similar systems, they can be set by hand, providing greater productivity.

The strong and robust design of Minima enables it to withstand concrete pressures up to 60kN/m² and Minima can be used on a wide range of applications.

Some of the **key benefits** derived from using Minima are:

- Because many of Minima's panels can easily be set by hand **crane requirements are minimised**, providing significant savings on construction costs.
- When panels are clamped together using Minima clamps up to 25m² can be **lifted by crane** thereby increasing the productivity of the system because the ganged form can be used multiple times.
- Minima clamps are easily tightened without much force, thus prolonging their working life and **reducing the labour requirement to fix the panels**. The clamps also make for easy panel-to-panel connection.
- **Fewer ties** are required on Minima than some other systems; this reduces tie costs and construction times.
- Minima inner corners have a 2-degree stripping clearance, allowing **panels to be easily removed** once concrete curing is finished.
- The large range of panel sizes **minimizes the need for traditional make-up pieces** saving construction time.
- There are a number of internal and external corner panels, some of which are hinged, this further adds to Minima's versatility in **adapting to most building structures**.

Minima can be used within any construction sector on a variety of **applications**, including:

- Walls
- Columns
- Buttresses
- Culverts
- Abutments and piers
- Service cores
- Basements

The Minima system has significant benefits in comparison to traditional shuttering and most other panel systems, and it has the backing of RMD's extensive worldwide resources.



Rollback, NPF Building, Port Moresby, PNG



Special Formwork, The Buranda Tunnel, Buranda, QLD



Super Slim's, Woodman Point (WA21), Perth, WA

1.5 Rollback

crane assisted climbing formwork

Rollback is a crane assisted climbing formwork bracket system that provides safe-contained working levels for economical wall core forming.

The trolley mounted formwork panel allows retraction from the form face, providing space for cleaning of forms and steel fixing. Formwork and access platforms are lifted as one, minimising crane support; reducing labour and material costs.

1.6 Special Formwork

purpose made formwork to meet special project requirements

RMD Australia undertakes a partnership approach with clients to meet special formwork requirements. With our worldwide design and engineering capability, we aim to ensure that we provide the most cost effective and safe solutions possible, through the combined use of standard and special products.

RMD Australia has provided unique special formwork solutions for a wide spectrum of applications, including:

- water retaining structures
- tunnels and culverts
- industry and commerce
- leisure and entertainment
- columns and piers
- water treatment works
- pre-cast and site moulds
- bridges
- energy plants

1.7 Super Slim Soldiers

the definitive primary beam

The Super Slim Soldier is the definitive formwork primary beam, with its unrivalled strength-to-weight ratio, versatility and range of accessories. Its ten standard lengths, from 90mm to 3600mm, gives almost unlimited scope for assembling beams of virtually any length.

Standard fixtures and clamps make it fully compatible with other RMD Australia product ranges and, in many cases, with the customers' own equipment.

With an unrivalled range of sizes and accessories the Super Slim Soldier is the backbone of the RMD Australia product range and is marketed worldwide.



Alform Beam

1.8 Aluminium Beams

strong but light to handle

In its drive to reduce the cost of labour in concrete formwork and to simplify design and assembly, RMD Australia has two aluminium beams in its product range.

Aluminium beams combine the benefits of strength, lightness and ease of handling with consistency, versatility and exceptional durability. With an extensive range of accessories, the beams form a complete system that can be used for virtually unlimited configurations and applications.

RMD Aluminium Beams have very high resistance to bending, concentrated load capacity and rigidity against deflection.

RMD Australia's Aluminium Beams include:

Albeam

This is a 225mm deep, heavy-duty primary beam for slab support, with a very high bending and concentrated load capacity.

Alform Beam

This 150mm deep beam is designed for wall formwork and slab support applications.

The Alform Beam has unique inclined twin webs, which, together with the edge stiffenings, provide great lateral stability and robustness in use. Plywood formwork is simply attached by nail connection to the timber batten in the upper flange, and the bevelled edge to the top flange allows for easy removal of the formwork on completion of use.

A central neutral axis ensures a very economical section, particularly in multispan applications, and coupled with its range of accessories, the Alform Beam provides contractors with a very cost effective formwork system.





Megashor, Stadium Australia, Sydney, NSW

2. SHORING

2.1 Megashor

ultra heavy-duty shoring

Megashor is an ultra heavy-duty modular propping system designed for axial loads of up to 1,000kN. Its real strength lies in its versatility. It has been used in heavy lifting towers, support spines for tunnel formwork, bracing for excavations, shoring and trusses.

Megashor can be configured for a huge variety of applications:

It provides complete solutions for:

- Heavy duty falsework
- Cofferdams
- Bridge launching
- Bearing replacement
- Facade retention
- Travelling slab and tunnel formwork
- Excavation support

Megashor received world recognition with its use in supporting roofing trusses in the Sydney Olympic Stadium.

2.2 Rapidshor

high-duty, adaptable shoring

Rapidshor is a highly productive, modular, steel shoring system from RMD Australia. Developed with an extensive range of accessories, its robust, galvanised design and ease of assembly have made Rapidshor the premier choice in modular shoring. Its high leg capacity of up to 74kN saves material and labour costs, with the reductions in the number of strip foundations and primary formwork.

It's a modular system which is quick and easy to erect and accommodates sloping ground and varying slab levels, with regular patterns of snap-on braces reducing both erection and safety inspection costs.

Its versatility has been enhanced even further in recent times by the addition of a captive deck system.

It's 60mm high grade steel standards result in a massive gain in strength to weight ratio. Rapidshor's modular bay sizes, wedge fixings and snap on braces make it highly cost effective for:

- Bridge decks
- Viaducts
- Commercial/retail buildings
- Culverts
- Tunnels
- Turbine pedestals
- Reservoirs
- Loading platforms

The total cost of a shoring system comprises the sum of the labour and material costs. Rapidshor vigorously attacks both elements in this equation.



Rapidshor, Grant Creek Bridge, Adelaide, SA





Glyburn Plaza Redevelopment, Adelaide, SA

2.3 Alshor Plus

latest generation shoring

Alshor Plus is the latest generation aluminium shoring system. Its enhanced on-site productivity provides shorter construction times and thereby greater reductions in labour costs. It is also an extremely safe and versatile system making it an ideal match for all the new requirements expected at construction sites these days.

As a result of Alshor Plus being fabricated from Aluminium it is light in weight and thereby easier to assemble and disassemble than traditional shoring systems.

One of its superior design features is the unique blade and socket connection system, which enables Ledger Frames and other Alshor Plus accessories to be located onto Alshor Plus legs much quicker than other shoring systems.

The **key benefits** of the Alshor Plus system are:

- The **increased leg load capacity** of Alshor Plus (up to 120kN) reduces the need for additional support equipment for most loading conditions, dramatically reducing erection and strike times.
- The high leg-load capacity also provides an increased propping range providing **greater versatility in both high and low support levels**.
- The increased extension range of the Alshor Plus jacks make it quick and easy to obtain the exact soffit height and their unique quick strike facility provides **quick release of the load for easy disassembly**.
- The Alshor Plus jacks' distinctive domed baseplate **eliminates the need for additional components to cater for uneven or sloping ground**.
- Alshor Plus was designed to **minimise the number of loose parts** to dramatically improve assembly and disassembly speed.
- **Enhanced load capacity is available when Alshor Plus is used as a back prop**, either as a stand-alone prop or as an assembly with multiple ledger frames in height

The increased performance of Alshor Plus will allow even greater support for shoring and formwork **applications**, including:

- Static slab support
- Towers and high reach birdcage assemblies
- Mobile tables
- Flying tables
- Props and back propping

The Alshor Plus system has significant benefits in comparison to traditional shoring systems, and it has the backing of RMD's extensive worldwide resources.

2.4 Slimshor

heavy-duty vertical, horizontal and raking shoring

A heavy-duty support for vertical, horizontal and raking applications for use on a variety of civil engineering and building work. Ideally suitable for supporting both large walls and precast units. The components connect directly to Super Slim Soldiers.

The addition of standard adjustable jack units to the ends of the Super Slim Soldiers with suitable end connections convert the conventional Super Slims into effective push-pull props. These props can be used to position and stabilize both large wall forms and existing walls or precast concrete wall elements. Adjustment of length is easily performed by the rotation of the Super Slim Soldier body.



Slimshor, Movie World, Gold Coast, QLD



Trishore, Mitchell Street Centre, Darwin, NT



Strongshor, Bent Street Apartments, Adelaide, SA



Props being used with Airodek

2.5 Trishore and Strongshor

High capacity adjustable, heavy-duty shoring systems suitable for a wide range of shoring applications where high loads are present.

Trishore

heavy-duty propping system

has a shoring capacity of 178kN for an effective length of five metres.

Trishore has only six components and all sections are interchangeable which provides a high degree of utilisation.

Strongshor

new, lighter Strongshor frames that can easily be handled by one man

The new lighter weight Strongshor frames enable site operatives to more easily place components, which means greater on-site productivity, less labour and lower construction costs.

Strongshor comprises four main components: frames, spigots, cross braces and head and base jacks. Fewer components result in savings in time, labour, storage, transport and inventory costs.

Strongshor will shore safely to any practical height. Its frames have a maximum safe working load of 90kN and subject to correct bracing procedure this load bearing capacity does not reduce as shoring height is increased.

2.6 Props

temporary support made easy

RMD Australia adjustable steel props are designed and manufactured to fully satisfy the requirements of the Australian Formwork Code. They provide excellent temporary support and are economical, easy and quick to erect.

RMD's props provide a solution for a wide range of temporary support requirements, and their capability has recently been enhanced with the addition of:

- **Stepped Pin** – The Stepped Pin allows for the quick release of the applied load on a prop with a single blow from a hammer. The inner section of the prop is lowered by 4mm, allowing easy rotation of the collar to enable the prop to be removed without difficulty.
- **Galvanised** – RMD props are now galvanised which eliminates corrosion, minimises maintenance and extends the life of the product.

2.7 Trench Struts

The Trench Struts standard head has square ends turned up for gripping timber trench supports, and is also ideal for use with trench sheeting and piling.



Trench Struts



Rapidstage, Hindmarsh Stadium, Adelaide, SA

3. SCAFFOLDING

3.1 Rapidstage

versatile, modular scaffolding

Rapidstage is a universally established prefabricated scaffolding system. Its inherent simplicity is what makes Rapidstage a versatile, highly productive and cost effective alternative to traditional tube and coupler scaffolds.

Rapidstage is an extremely versatile modular system that can be used for all types of access scaffolding requirements. Components are lightweight and therefore erection and dismantling is accomplished easily by a small crew.

Rapidstage uses standard RMD Universal Jacks, Super Planks and Stair Access Systems.

Rapidstage is the result of over 50 years experience gained on major scaffolding projects throughout the world.

Rapidstage access scaffolding can be used for new build, as well as repair and maintenance projects:

- Commercial
- Residential
- Housing
- Industrial
- Stadiums
- Shipbuilding
- Civil
- Utilities

3.2 Tube and Fittings

RMD Australia offers a range of scaffold tube, fittings and accessories for use in traditional scaffolding applications. Different types of couplers are available, including double coupler and swivel coupler. Couplers are of a one-piece design, with nuts captive to eliminate losses.



Scaffold Fittings



4. TIE SYSTEMS

RMD offer a comprehensive range of tie systems to suit your job requirements either for use with RMD construction equipment or for your own equipment.



4.1 She-Bolt System

This system is ideally suited for large areas of crane handled forms, timber or steel, as the whole assembly of the she-bolt, tie rod and she-bolt, can be passed through both faces of the form from one side.

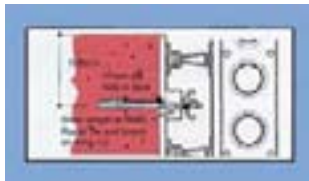
Manufactured from high tensile steel with rolled BSW thread, crimped to prevent rotation of the tie when the she-bolt is removed. Length from 50mm in increments of 25mm up to 600mm.



4.2 Rapid Bar Tie System

The RMD Rapid Bar Tie System is a "through" tie system in which the bar passes entirely through the formwork, waler plates, cone and tube assembly, locked in position with the knock-on wing nut threaded on to each end of the tie bar.

The expendable tube not only acts as a spacer ensuring the correct width of wall required, but also allows easy removal of the tie bar after pouring. Only one knock-on wing nut has to be removed to allow quick stripping of the tie assembly.



4.3 RMD Rapid Anchor

The RMD Rapid Anchor allows a cast-in fixing into concrete to connect directly to the Rapid Tie System. It comprises a special nut tapped to suit 15mm Rapid Tie which is encased in plastic. A circular steel washer increases the bearing area in the concrete. This cast-in anchor is designed to transmit axial forces into previously cast work.



4.4 Rapid Tie She Bolt

The RMD Rapid Tie She Bolt allows the Rapid Tie System to be used as a non-recoverable (embedded) tie. The advantages of the 'lost' Tie and She Bolt system are known to users of the RMD High Tensile System. A particular advantage on double-faced formwork is the ability to pass the assembled tie system through both formwork faces from one side after the forms have been erected.

The She Bolt System can also be used on single face formwork, e.g. in connections into rock faces etc., and for second fix connections into existing walls.

The Rapid Tie She Bolt is designed to give 50mm cover to the 'lost' Rapid Tie.

5. Other Products

- Formply
- SuperTube Plus plastic tube forming system for column structures
- Concrete skips and placing equipment
- Reinforcement chairs and spacers
- Road, kerb and gutter forms
- Plastic fillet for formwork
- Form release agent
- Column clamps





Branch Network

To better serve our customers, RMD Australia has established a network of 17 branches around the nation, all strategically located to provide sales, design and equipment supply facilities. The branch network enables RMD Australia to supply every product and accessory to building sites around Australia in a time frame that meets our clients' construction needs. RMD responds flexibly to customer requirements. If a product isn't available from a particular branch we can quickly transfer it in from the next nearest location.

RMD Australia has the following branches:

Brisbane*

- Cairns
- Townsville
- Mackay
- Rockhampton
- Bundaberg
- Maroochydore
- Gold Coast

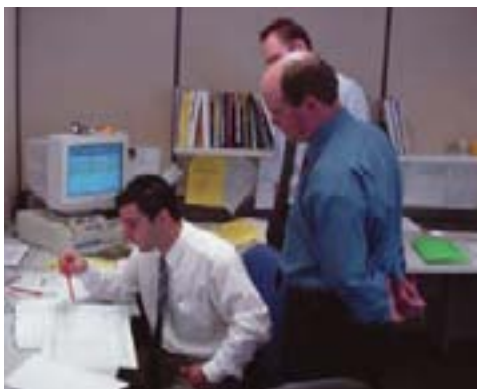
Sydney*

- Newcastle
- Melbourne***
- Hobart
- Launceston

Adelaide*

- Darwin
- Perth***
- Naval Base

**Regional Offices*



Members of the engineering team refining a design

Comprehensive Engineering Support

Many of our branches have their own engineering design capability. If the designer needs additional assistance on a more complex project, the extensive resources and knowledge of our Head Office engineering team can be utilised. For the odd project where we need special expertise, we can use the great wealth of knowledge that exists within the RMD worldwide network.

RMD Administration

All branches have computerised stock inventory systems with specialised online software for control of hire stock movements, sale invoicing, stock control and procurement. These systems are linked to RMD Australia's server system at Head Office enabling country-wide stock control, hire invoicing, general accounting and financial management to be centrally controlled.



Super Slim Soldiers, Lyell McEwin Hospital, Adelaide, SA

Recent Major Projects

Queensland

- Tugun Bypass – Northern & Southern Portal, Gold Coast, QLD
- Robina Town Centre Redevelopment, Gold Coast, QLD
- Comalco Alumina Refinery, Yarwun, QLD
- Gladstone Entertainment Centre Car Park, Gladstone, QLD
- The Ring Road, Townsville, Qld
- Gateway on Palmer Apartments, Townsville, Qld
- Maroochy River Bridge Duplication, Maroochydore, QLD
- Claude Wharton Weir Fish Lock, Gayndah, QLD
- Dalrymple Bay Coal Terminal Rail Receival Expansion, Mackay, Qld
- Bakers Creek Water Treatment Plant, Mackay, Qld

NSW

- Kiama Bypass, Kiama, NSW
- Kurnell Desalination Plant, Sydney, NSW
- Sheahan Bridge, Gundagai, NSW
- Bega Valley Sewerage Treatment Works, Bega, NSW
- Wagga Sewerage Treatment Works, Wagga, NSW
- Nabic Overpass, Pacific Highway Nabic, NSW
- Bonville Deviation, Bonville, NSW
- Eraring Vales Point Power Station, Newcastle, NSW

Victoria/Tasmania

- Eastlink Tollway, VIC
- Albury/Wodonga By-pass, VIC
- Convention Centre, Melbourne, VIC
- Bullring Project, Fitzroy, VIC
- Vaucluse Gardens, Hobart, TAS
- Federation Concert Hall, Hobart, TAS
- York Cove Development, TAS
- Launceston Peppers Seaport Hotel, TAS

South Australia/Northern Territory

- Evolution on Gardiner, NT
- Darwin Waterfront Redevelopment, NT
- McArthur River Mine, NT
- The Precinct Stage 1, SA
- The Martin Towers Project, SA
- Octagon Student Apartments, SA
- Lyell McEwen Hospital Redevelopment, SA
- Little Para Reservoir Spillway for Dam, SA

Western Australia

- Boddington Gold Mine Expansion, Boddington, WA
- Mitchell Freeway Extension, Perth, WA
- Newman Hub RGP4, Newman, WA
- New Perth Bunbury Highway, Perth/Bunbury, WA
- Dalyellup 6ML Storage Tank, Dalyellup, WA
- Kwinana WWTP, Kwinana, WA
- Raine Square Development, Perth, WA
- Pluto LNG Project, Karratha, WA