EMRAILS
THE AUSTRALIAN RAIL STOCKIST



Capability Statement

Specialist rail products.
Extensive range ex-stock.
Responsive supply.

emrails.com.au
1800 804 276

About EMRAILS

EMRAILS is The Australian Rail Stockist. For more than 30 years, the business has supplied rail products and fastening systems to customers across Australia, New Zealand and selected export markets.

EMRAILS holds and supplies an extensive range of ex-stock railway rail, crane rail and light rail, backed by specialist product knowledge and practical support across rail, mining, ports, cranes, marine, steelmaking, manufacturing and infrastructure applications.

Our capability extends beyond rail supply. EMRAILS supports customers with fastening systems, value added solutions and ultrasonic testing, together with project management support including flow delivery and storage options.

Whether the requirement is a single rail profile, complete project rail supply, a replacement fastening component or a coordinated rail and fastening package, EMRAILS works with customers to make specialist rail procurement straightforward, responsive and dependable.

Talk To The Rail Specialists

Discuss your rail supply requirements and delivery location with the EMRAILS team.

Specialist Rail Supply Built On Experience

30+ Years Experience — Specialist focus on stocking, supplying and distributing rail steel and fastening systems.

Ex-Stock Range — A market leading range of railway rail, crane rail and light rail held for responsive supply.

Complete Packages — Rail, clips, pads, fishplates and associated fastening products from one specialist supplier.

AUS/NZ + Export — Global supply capability across Australia, New Zealand and selected export markets.



Our Core Capabilities

Rail Supply
EMRAILS supplies light rail, standard rail, crane rail, heavy crane rail and specialist rail profiles across a broad range of infrastructure, industrial, maintenance and materials-handling applications.

Coordinated Delivery
Delivery coordination can be aligned to project sequencing and site requirements.

Fastening Systems
The fastening range includes crane rail clips, fishplates, hookbolts and rail pads. This allows customers to source fastening components efficiently.

Storage Options
Storage options can support securing project supply, staged projects and changing delivery programs.

Drilling & Cutting
Rail can be prepared to suit specified hole patterns and connection requirements. Rail can be cut to project lengths, helping reduce site preparation.

Project Management Support
EMRAILS can coordinate product requirements, processing, stock, delivery and storage as part of a practical project supply solution.

Ultrasonic Testing
Ultrasonic testing support is identified by EMRAILS as part of its processing capability and can be coordinated where required.

Technical Support
Published product data sheets provide dimensional and mechanical information for many rail profiles and fastening products.

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Industries

EMRAILS supports customers in various industries, including rail infrastructure, mining, ports, cranes, steelworks, marine and specialist industrial applications. The combination of product range, stockholding, processing and delivery support allows EMRAILS to respond to both planned projects and replacement requirements.

Railway Infrastructure

Passenger and freight lines; track and related infrastructure.

Ports & Harbours

Shiploaders, unloaders, wharf cranes and port materials handling.

Mining

Track, stackers, reclaimers and materials-handling applications.

Steelworks

Track, cranes and steelmaking equipment.

Cranes

Gantry, wharf and other industrial crane systems.

Marine

Shipyards, slipways and specialist movement systems.

Standards Represented

- AS: Australian Standard rail profiles
- JIS: Japanese Industrial Standards
- DIN 536; German crane rail profiles
- ArcelorMittal standard: Selected heavy crane and specialist rail profiles

Our Value Proposition

Our value proposition is based on providing an extensive product range, responsive supply, specialist knowledge and practical support to keep your rail projects and operations moving.

Specialist Experience

More than 30 years focused on rail and fastening systems across a broad range of industries.

Processing Capability

Drilling, cutting and ultrasonic testing to help prepare rail for project requirements.

Project & Logistics Support

Flow delivery, storage options and project coordination to align supply with customer programs.

Complete Rail Packages

Rail plus clips, pads, fishplates, hookbolts and related components where required.

Standards-Based Products

Products in stock across Australian, Japanese, DIN and selected ArcelorMittal standards.

Responsive Supply

Product information, quotations, stock availability and delivery support from an experienced rail team.

Specialist Rail Solutions.
Responsive Supply.
Proven Experience.

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Product Range

Light Rail				
Product	**Standard / family**	**Published length**	**Mass**	**Typical applications / notes**
10kg Rail	JIS E1103	6.00 m	10.1 kg/m	Factory and mine trolleys; door railing; light-load applications
15kg Rail	JIS E1103	9.00 m	15.2 kg/m	Factory and mine trolleys; door railing; light-load applications
22kg Rail	JIS E1103 M	12.19 m	22.3 kg/m	Trolley rails; crane rail; slipways; other light/industrial applications
30kg Rail	JIS E1101 / E1101-M	12.19 m	30.1 kg/m	Trolley rails; crane rail; slipways; other industrial applications
37kg Rail	JIS E1103	12.19 m	37.2 kg/m	Trolley rails; crane rail; slipways; other industrial applications

Standard Rail				
Product	**Standard / family**	**Published length**	**Mass**	**Typical applications / notes**
41kg Rail	RT23 / AS1085.1-2002	12.19 m & 13.72 m	40.8 kg/m	Network and light freight; crane rail; conveyor trippers; slipways; workshop pads
47kg Rail	RT27 / AS1085.1-2002	12.19 m & 13.72 m	46.37 kg/m	Standard rail applications; use approved source copy after verification
50kg Rail	RT23 / AS1085.1-2002	12.19 m & 13.72 m	50.6 kg/m	Network, light freight and mining; crane rail; conveyor trippers; slipways; workshop pads
50kg Head Hardened Rail	RT23 HH / AS1085.1-2002	12.19 m & 13.72 m	50.6 kg/m	Heavy axle loads and tight radius curves; applications requiring improved rail life
53kg Rail	RT25 / AS1085.1-2002	12.19 m & 13.72 m	53.0 kg/m	Network, light freight and mining; crane rail; conveyor trippers; slipways; workshop pads
53kg Head Hardened Rail	RT 25 HH / AS1085.1-2002	12.19 m & 13.72 m	53.0 kg/m	Heavy axle loads and tight radius curves; final technical values require verification
60kg Rail	RT23 / AS1085.1-2002	12.19 m & 13.72 m	60.6 kg/m	Network, light freight and mining; crane rail; conveyor trippers; slipways; workshop pads
60kg Head Hardened Rail	RT23 HH / AS1085.1-2002	12.19 m & 13.72 m	60.6 kg/m	Heavy axle loads and tight radius curves; improved durability
68kg Rail	RT19 / AS1085.1-2002	12.5 m	67.5 kg/m	Network, freight and mining; crane rail; stacker/reclaimers; crushers; bin-liners; workshop pads
68kg Head Hardened Rail	RT19 HH / AS1085.1-2002	12.5 m	67.5 kg/m	Heavy axle loads/tight curves; mining stacker/reclaimers, crushers, bin-liners and workshop pads

Product Range

Crane Rail				
Product	Standard / family	Published length	Mass	Typical applications / notes
A45 Crane Rail	DIN 536	12.00 m	22.1 kg/m	Trolley rails, crane rail, mining rails and industrial movement applications
A55 Crane Rail	DIN 536	12.00 m	31.8 kg/m	Trolley rails, crane rail, mining rails and industrial movement applications
A65 Crane Rail	DIN 536	12.00 m	43.1 kg/m	Crane rail, mining rails and industrial applications
A75 Crane Rail	DIN 536	12.00 m	56.2 kg/m	Crane rail, mining rails and industrial applications
A100 Crane Rail	DIN 536	12.00 m	74.3 kg/m	Crane rail, mining rails and industrial applications
A120 Crane Rail	DIN 536	12.00 m	100 kg/m	Trolley rails, crane rail, mining rails, car-dumpers and industrial applications
A150 Crane Rail	DIN 536	12.00 m	150.3 kg/m	Trolley rails, crane rail, mining rails, car-dumpers and heavy industrial applications

Heavy Crane Rail				
Product	Standard / family	Published length	Mass	Typical applications / notes
73kg Crane Rail	ArcelorMittal standard	12.00 m	73.63 kg/m	Stacker/reclaimers; steelworks cranes; port and wharf cranes; mining rail
86kg Crane Rail	ArcelorMittal standard	12.00 m	85.5 kg/m	Stacker/reclaimers; steelworks cranes; port and wharf cranes; mining rail
87Akg Crane Rail	ArcelorMittal standard	12.00 m	86.8 kg/m	Stacker/reclaimers; port and wharf cranes; crane rail; mining rail
125kg Crane Rail	ArcelorMittal standard	12.00 m	125.0 kg/m	Steelworks cranes; port and wharf cranes; crane rail; mining rail
192kg Heavy Crane Rail	ArcelorMittal standard	12.00 m	192.0 kg/m	Steelworks cranes; port and wharf cranes; crane rail; mining rail

Other Rail				
Product	Standard / family	Published length	Mass	Typical applications / notes
CR73 Rail	ArcelorMittal standard	12.00 m	73.30 kg/m	Stacker/reclaimers; steelworks cranes; port and wharf cranes; crane rail; mining rail
89kg Rail	Arcelor standard	12.00 m	89.9 kg/m	Port and wharf cranes; crane rail
MRS 87B / CR175	Arcelor standard	12.00 m	86.7 kg/m	Stacker/reclaimers; steelworks cranes; port and wharf cranes; crane rail; mining rail
AS86 Crane Rail	Arcelor standard	12.00 m	85.88 kg/m	Stacker/reclaimers; steelworks cranes; port and wharf cranes; crane rail; mining rail

Product Range

Fastening Systems	
M120 Crane Rail Clips	Patented rubber pressure block retention. Published supplier sheet shows M16 class 10.9 bolt, 13 mm adjustment and 120 kN lateral resistance for listed rail configurations. Compatible chart covers A-series, MRS/CR and metric rail profiles.
CLX20 Crane Rail Clips	Self-locking cam adjustment system with retained rubber pressure block. Published sheet shows M20 bolt, 20 mm total adjustment (+/-10 mm) and 98 kN lateral resistance, dependent on connection design.
Fishplates	Available to suit 10kg, 15kg, 22kg, 30kg, 41kg, 47kg, 50kg, 53kg, 60kg and 68kg rails; other sizes such as 73kg can also be provided. Available separately or in sets. Website states AS1085.1.
Hookbolts	Hookbolts for rail projects. Features listed by EMRAILS include black or hot-dip galvanised coating, M16-M24 sizes, single or double nuts and 300PLUS Grade.
IP-4100 Crane Rail Pad	Molyneux IP-4100 intermittent soleplate pad. Website lists benefits including reduced noise/vibration, rail wear/fatigue stresses, runway maintenance and structural stresses; resistant to water, oil, grease, mildew and fungus.
IP-94 Marine Crane Rail Pad	Marine-formulated intermittent soleplate pad. EMRAILS notes that it allows engineers to determine soleplate size from stress analysis rather than a fixed pad size.
DSP-172 Crane Rail Pad	Listed in the current EMRAILS fastening-systems range. The individual product page could not be retrieved during this review, so product copy and technical data should be inserted only after the current approved supplier data sheet is obtained.

Talk To The Rail Specialists

Whether you need to source a standard rail profile, locate a specialist crane rail, arrange processing or develop a complete rail and fastening package, talk to EMRAILS.

Our team can help you identify the appropriate product and coordinate supply for your project or operation.

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