

Why A C M C?

Fact sheet

At last the Australian pipeline industry has access to Ductile Iron pipes and fittings that the rest of the world has had available for many years. A choice of Ductile Iron pipe sizes and joint types as never before offered in Australia.

- Competitive Ductile Iron pipes & cost-price fittings with a 150 year proven history
- Largest diameter pipes ever offered at DN 80 – DN 3000 with no site welding
- 8 million tonne per year production base guaranteeing capacity, availability and delivery
- More than 11 000 employees, an asset base of US \$ 15.8 billion and more than 60 years of delivering pipe to 72 countries & regions globally
- Premium raw grade materials with guaranteed 75 year service
- Wide range of joint types easily assembled reducing construction time and thrust blocks
- Assembly of pipelines only require lifting equipment and simple hand tools
- A range of pipe lengths, pressure classes, internal and external linings / coatings for all soil conditions
- Robust & adaptable pipes reducing installation costs, creep, design strength and corrosion, but with a greater safety factor and higher impact resistance than other materials
- Lower Whole Of Life cost
- More than 100 years experience in manufacturing, logistical, project management, construction engineering, technical and business relations experience
- Hands-on training, friendly “hot-line” technical advice and ongoing support
- Additional pipe & cost-price fittings sourced from our Australian facility
- Third party Quality Assured products to ISO 9001
- Independent Quality Control verification
- A genuine commitment to businesses and communities to offer pipe supply solutions
- Manufacturing facility being established locally
- Water Services Association Appraisal commenced and members of the APIA and the Australian Water Association



In-house ownership of mines (both in Australia and China) for raw materials, factories and ships; ensures that your pipes and fittings are guaranteed - on time, every time!



For more information please visit us online at www.acmcpipes.com.au or call us directly to discuss your pipe needs on **1300 798 186** or **07 3210 1188**.

The future is in the pipeline

DICL vs STEEL

Fact sheet



Ductile Iron vs Steel Pipes

The advantages of Ductile Iron pipes are many and have been proven over many decades and can be summarised as:

- Excellent corrosion resistance
- The physical properties of Ductile Iron do not change with age
- Strength of Ductile Iron is not compromised by time
- Polyethylene encasement provides effective corrosion control for Ductile Iron pipe in most corrosive environments
- Flexible jointing
- Ease of jointing
- Ductile Iron Pipe stiffness is greater than steel especially at larger diameters and there is greater flexibility in installation conditions over steel
- Radial deflection is less than steel especially at larger diameters due to superior pipe stiffness
- Bedding materials are not as critical
- No site welding
- Reduced installation time
- Impact resistance is improved over any other pipe materials
- High tensile and shear strength
- Low expansion coefficient
- Axial bending strength is greater than steel (600 Mpa vs 410 Mpa)
- Yield strength is similar to steel pipe

The above advantages lead to a Whole of Life (WOL) cost that is far superior to steel.

The installation and maintenance costs of cathodic protection on a steel pipe system is an obvious example of the lower WOL when comparing a Steel to a Ductile Iron pipe system.



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Australia China Metal Corporation Pty Ltd

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