

PILING

STEEL MAINS PTY LTD - PILING



SPIRAL WELDED STEEL PIPE for PILING



What are Spiral Welded Steel Piles?

Steel Mains manufactures steel pipe using the spiral welding method. In this process, coils of steel having the required width and thickness are uncoiled and formed into a helix having the required pipe diameter. The helix is continuously welded internally and externally using Submerged Arc Welding process. The weld produced forms a spiral hence the name of the end product.

Piling is manufactured in accordance with AS1579.

Weld testing is done using ultrasonic or radiographic methods in accordance with AS1554.1 Category SP.

PROJECT HISTORY

Steel Mains has the experience in delivering piling to large scale projects across Australia.



Steel Mains Spiral Welded Steel Piles have been used by many major Authorities across Australia

Some of our clients are listed below –

- Port of Brisbane Authority – Queensland
- Port of Melbourne Authority – Victoria
- Gold Coast Waterways – Queensland
- Fremantle Wharf – Western Australia
- Gladstone Port Authority - Queensland
- Department of Defence
- Department of Transport
- Mackay Port Authority – Queensland
- Bundaberg Port Authority – Queensland
- Cairns Port Authority – Queensland



Why use Steel Mains

Spiral Welded Steel Piles

Versatility – The spiral welding process allows for the most economic selection of diameters and wall thicknesses. Steel Mains manufactures a comprehensive range of diameters from 168mm through to 1422mm and wall thicknesses from 5mm to 25mm. Piles can also be manufactured in long lengths, limited only by transportation restrictions.

Australian Made – Made in Australia using Australian Steel. Steel Mains is committed to manufacturing in Australia to meet Australian Standards and Conditions.

Corrosion Protection Systems – We are able to supply piles coated in factory applied fusion bonded MDPE, SINTAKOTE®.

Quality – All our manufacturing facilities are accredited to ISO 9001 Quality Management Systems.

Technical Support – Steel Mains, has been associated with steel pipe and piles since the late 1800's. This experience and technical knowledge is provided to customers throughout the design, construction and maintenance phases of each project.



PRODUCT OFFERING

STEEL MAINS Piling

Piling Manufacturing Capabilities

Plant Locations	Melbourne and Perth
Size Range (OD)	168 to 1422mm
Wall Thickness (WT)	5mm to 25mm ⁽¹⁾
Length of Pile	Standard: Up to 13m length ⁽²⁾
Coating (if required)	Factory applied Fusion Bonded MDPE – Sintakote available
Steel Grades	AS1594 HA1016, HA250 or HA350 AS3678 Grade 250 or 350
Quality Assurance	ISO 9001
Welding and testing	In accordance with AS1554.1 Category SP. Ultrasonic or radiographic test methods

Notes

(1). Steel Coil made in Australia up to a maximum:

- 16.0mm Grade 250
- 12.0mm Grade 350

(2). Lengths greater than 13m available – will also include a circ weld
Consult local and state regulators on any restrictions associated with transporting lengths greater than 14m



MANUFACTURING LOCATIONS

SOMERTON, VICTORIA



KWINANA, WESTERN AUSTRALIA



Location: Somerton, Victoria - 30 minutes north of Melbourne CBD

Production Capacity: 40,000 tonnes p.a.

Site Size: Site is 35 acres (140,000 sqm); with place for loadout and storage

Capability: 2 x spiral mill + production line; fittings fabrication

- **Pipe Diameter:** 114 – 2,500mm
- **Pipe Thickness:** 4.5 – 25mm
- **Pipe Length:** 6.0 – 13.5mtr
- **Fittings:** fabrication, end forming, coating and lining

Location: Kwinana, Western Australia - 40 minutes South of Perth CBD

Production Capacity: 30,000 tonnes p.a.

Site Size: 23 acres (93,000 sqm), with place for loadout and storage

Capability: 1 x spiral mill + production line

- **Pipe Diameter:** 508 – 1,422mm
- **Pipe Thickness:** 5 – 20mm
- **Pipe Length:** 11.7 -12.2mtr



MANAGEMENT SYSTEMS

Quality:
Safety:
Environmental:
Standards License:

ISO 9001:2015
ISO 45001:2018
ISO 14001:2015
AS1579: 2001



Steel Mains prides itself on setting the highest standards with regards to all aspects of our business and operational duties.

Solutions for Life®

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