



Concrete Equipment
Solutions and Technology

CONCRETE PIPES & CAGES

Machinery For Making Concrete Pipes And Cages

TECHNICAL SPECIFICATION SHEET:

PMSA supplies a comprehensive range of concrete pipe, special concrete products and cage making machinery to meet customer requirements.



CONCRETE PIPE PRODUCTS INCLUDE:

- Concrete spun pipes
- Jacking pipes
- Reinforced concrete pipes
- Pre-stressed concrete pipes
- Small-bore concrete pipes
- Manhole elements including base units and tapers

SPECIAL CONCRETE PRODUCTS INCLUDE:

- Concrete flumes
- Concrete poles
- Concrete piles
- Concrete street gullies

In addition we offer wire cage making machines for the production of wire cages for the manhole and concrete pipe industry, as well as high-capacity cage welding machines for the production of round and square reinforcement cages for driven and bored piles, columns and beams.

Our machinery is **Built to Last®** for decades, ensuring a low lifetime cost of ownership.

FEATURES AND BENEFITS

Many products in this range can be made with or without reinforcing.

- **Concrete spun pipes:** Our inclusion of vibro-press-spinning technology produces high quality products. Pipe diameters can vary between 350 mm to 3 120 mm with lengths varying from 6 m to 7 m.
- **Jacking pipes:** These pipes can be manufactured by using a spinning system or vertical cast method. Jacking pipes are commonly used for trenchless pipelines and are extremely strong to withstand the thrust loads that they are subjected to. By using a double cage these pipes can be reinforced with a steel collar at the socket end.
- **Reinforced concrete pipes:** Reinforced concrete spun pipes are ideal for road crossings that require high quality pipes to withstand transient loads. Diameters

can range from 350 mm to 2 000 mm with lengths ranging from 2.5 m to 3.5 m.

- **Pre-stressed concrete pipes:** Pre-stressed concrete cylinder pipes are high quality pressure pipes and are produced by vertical casting of vibrated concrete. Pipe diameters can vary from 500 mm to 4 000 mm, with lengths ranging from 3 m to 6 m, depending on the design.
- **Small-bore concrete pipes:** Our equipment can also produce small-bore concrete pipes with a bell end or a large, straight wall. These can be made with or without reinforcing.
- **Manhole elements:** Manhole elements such as manhole rings, tapers, street gullies, base units and seating rings for manhole systems can all be produced on a variety of different machine ranges, depending on the design and production requirements.
- **Wire cage making machinery:** Our wire cage making plants are designed to suit customer requirements.

OPTIONS

Our concrete pipe and special concrete product plants are available with various options including:

1. Batching plants: PMSA supplies full, custom-designed batching plants suited specifically to client and plant requirements, which may include:

- Weighing and batching of materials
- Mixing of concrete
- Transportation of wet concrete to the machinery

2. Curing solutions: PMSA supplies concrete curing solutions for concrete pipes and special concrete products. Curing solutions control relative humidity (moisture) and temperature within the curing chambers, creating optimal curing conditions, maximum strength gain, quick turnaround time, and minimised cement usage and product damage.

3. Concrete pipe and special concrete product handling

- Forklift transportation options
- Overhead crane options



Supplied by PMSA in South Africa. Our professional and experienced technical support team will provide you with the assistance you require. Our comprehensive spare parts facility enables us to provide immediate dispatch globally. E&OE. [Rev_2_2021]

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