



Boreman 200 flexible rising main is designed as a permanent alternative to traditional materials such as steel, fiberglass, UPVC and polyethylene in water wells with electric submersible pumps. Based on our Wellman riser, which has been in international markets for over 30 years and operating in numerous industrial locations, Boreman has been developed specifically for the mining and desalination industries.

The Boreman 200 is comparable to Boreman 300, but for wells up to 200m depth

Primary Uses & Applications

- Mine dewatering
- Land stabilization in open cut mines
- Beach well supply to reverse osmosis desalination plants
- Environmental monitoring
- Onshore oil and gas field water supply

Features

- Superior hydraulic performance.
- Allows rapid installation and retrieval of the submersible pump.
- Small storage footprint compared to rigid pipe, allowing transportation by smaller vehicles, and requiring less manpower.
- Light weight and easy to deploy.
- Low longitudinal elongation.
- Low maintenance and no corrosion.
- Torque on pump start-up is accommodated without damage to the riser.

Construction

- A high-tensile polyester reinforcement jacket enveloped by a high-grade polyurethane lining and cover material resistant to hydrocarbon fuels, many chemicals, ozone, UV, abrasion, and microbial attacks. The one-piece composite gives excellent stability and removes any risk of delamination.
- The textile reinforcement is designed to swell under operating conditions up to 20%, reducing scale build-up. This feature gives a nominal increase in riser diameter, reducing friction loss, and improving hydraulic performance.

Properties

- Lengths up to 200 meters.
- Color options: Black (standard).
- Couplings NPT (standard).
- The textile reinforcement is designed to support the weight of the submersible pump, the column of water, the power cable, and the riser itself, with a minimum 2:1 safety factor.

Boreman 200

Article Number	-	BML203
Inner Diameter ¹	mm Inch	203 8
Wall Thickness	mm Inch	4.2 0.17
Default Number of Straps	-	2
Maximum Pump Setting	m ft	200 656
Burst Pressure	bar psi	42 610
Maximum Operating Pressure ²	bar psi	21 305
Effective Tensile Strength	kg lbs	27700 61000
Maximum Continuous End Load	kg lbs	13800 30500
Weight (hose only)	kg/m lbs/ft	3.2 2.15
Weight (standard coupling)	kg lbs	26 57
Mandals Coupling Outer Diameter	mm Inch	250 9.8
Maximum Extension under Load Conditions	%	•5
Maximum Diameter Swell	%	•10
Maximum Diameter Temperature	°C °F	- 40 to + 50. (with intermittent use up to 80)
Water Quality	pH	4 – 9 (Below 30 °C / 86 °F)
Velocity at Maximum Flow	m/s ft/s	3.8 12.5
Velocity Flow Rate at Maximum Pump Setting	L/s gpm	133 2108

Note: ¹Tolerance range based on ISO1307 Type C. ²Values are for hose only; allowed working pressure can not exceed coupling pressure rating. For questions about chemical resistance please check mandals.com/support.