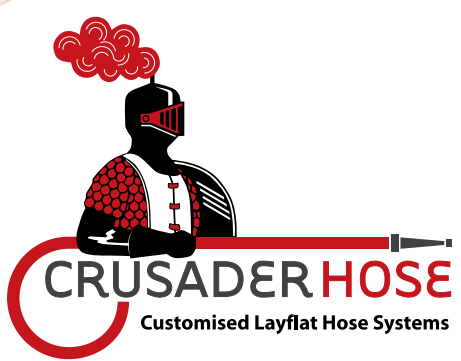


# FLEXIBORE 250

Flexible Rising Main





# FLEXIBORE 250

Flexible Rising Main



## Product Description



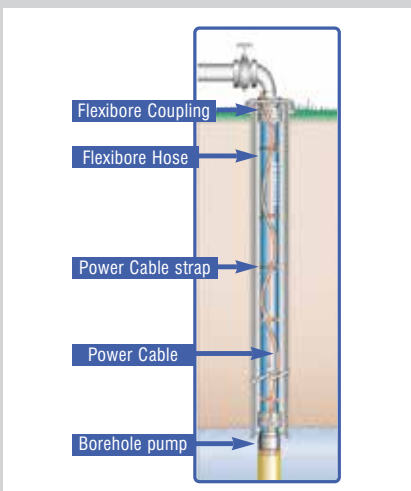
### Description

Flexibore 250 is a flexible riser used for ground water pumping. By integrating thermoplastic polyurethane into a woven textile fabric of high tenacity polyester, the hose is produced. This process gives the hose flexibility while sustaining the weight of a submersible pump.

### Compatibility

Flexibore 250 will suit many borehole applications and is compatible with most submersible pumps. The sizes range from 40mm to 152mm internal diameter and depths of up to 250m.

## Applications



### Typical Applications

These include mine de-watering, domestic and municipal water supply, test pumping, rural and industrial bore-water retrieval and similar ground water projects.

### General Application

Flexibore has been specifically designed to replace rigid riser pipes such as steel which is subject to rust and encrustations. This internal scaling reduces flow rates and pump efficiency. Other risers such as PVC and polypipe can be brittle or bend. They are also generally heavier and hard to handle.

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## Ease of Use



### Easy Installation

Once in the field, Flexibore 250 is attached to the pump with the patented couplings. The pump, with hose and cables attached, is lowered into the bore using either a simple rolling wheel or a crane. See our installation brochure for further details.

### Transportable

With its continuous length, the hose can be installed with less time and labour than rigid systems, this includes poly pipe. The same advantages apply to pump retrieval.

## Benefits

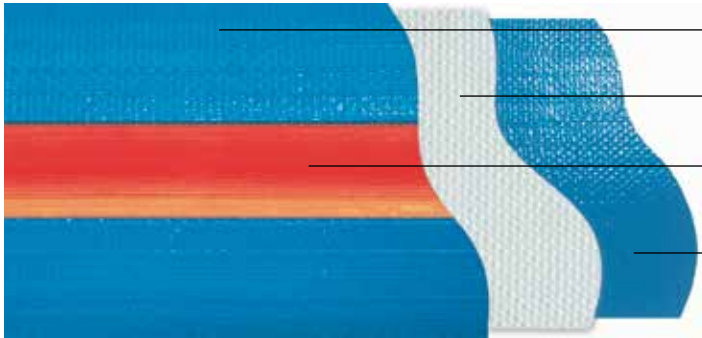


### Benefits and Cost Saving Features

- ✓ Quick and easy installation and retrieval
- ✓ No internal scaling
- ✓ Totally corrosion resistant
- ✓ Reduced head losses and improved flow rates due to swelling under pressure
- ✓ Less labour intensive due to ease of installation
- ✓ Reduced transport costs due to light weight and easy handling
- ✓ Custom lengths made to order
- ✓ Potable water approved: AS 4020
- ✓ All hydrostatically tested

# FLEXIBORE 250

## Flexible Rising Main



- Tough polyurethane cover
- Woven polyester fabric
- Strip with loops every meter from which to secure power cable
- Impregnated polyurethane lining bonded to outer cover which eliminates separation

Each Crusader hose is covered by a 5 year pro-rata warranty against faulty materials and workmanship.

### FLEXIBORE 250 SERIES

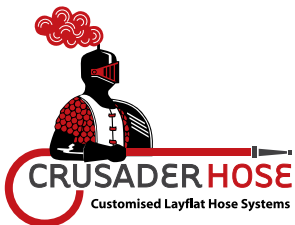
Nominal size (inches)	1 <sup>1/2</sup>	2	3	4	5	6
Internal diameter (mm)	40	51	76	102	126	152
Burst pressure (bar)	72	74	58	52	50	44
Maximum recommended operating pressure (bar)	36	37	29	26	25	22
Peak Tensile Load (tonnes)	3.5	3.2	8.3	10.0	14.5	16.0
Max. recommended Tensile Load (tonnes)	1.7	1.6	4.2	5.0	7.3	8.0
Weight of Flexibore (kg/m)	0.4	0.6	0.9	1.5	2.1	2.5
Outer diameter of Coupling (mm)	70	90	115	140	170	190
Weight of coupling stainless steel (kg)	1.3	2.8	5.5	7.8	11.7	13
Weight of water at 10% swell (kg/m)	1.52	2.38	5.49	9.89	15.09	21.96
Maximum flow rate (l/sec)	4	6	18	40	55	90

NOTE: For OPERATION beyond stated RECOMMENDED OPERATING LIMITS, consider Flexibore 300, Flexibore 400 or contact your Flexibore distributor.

### OTHER SPECS

Maximum operating temperature	60°C
Water pH range	3 to 9

Maximum diametric swell	15%
Average extension	0.5%
Safety Factor	2:1



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