

# FLEXIBORE 400 Series

Flexible Rising Main

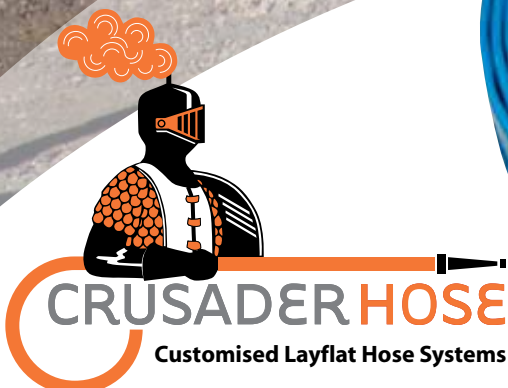


## Description

**Flexibore® 400** is a flexible riser used for ground water pumping. This flexible hose is fabricated by integrating thermoplastic polyurethane into a woven textile reinforcement of high-tenacity polyester. This process gives **Flexibore® 400** both pressure and tensile strength to sustain the forces when pumping groundwater with a submersible pump.

## Compatibility

**Flexibore® 400** will suit many borehole applications and is compatible with most submersible pumps. The sizes range from 76mm (3") to 152mm (6") internal diameter and depths of up to 400m.



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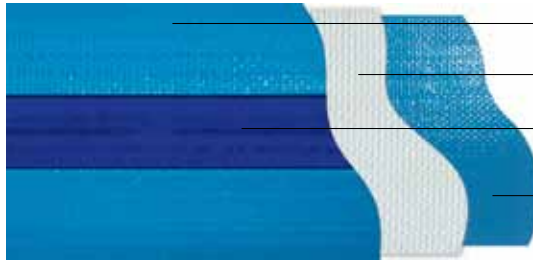


## Flexible Rising Main



### Easy Installation

Once in the field, the **Flexibore® 400** 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 manual for further details or visit [www.flexibore.com.au](http://www.flexibore.com.au).



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

Each **Flexibore® 400** hose is covered by a 5 year pro-rata warranty against faulty materials and workmanship.

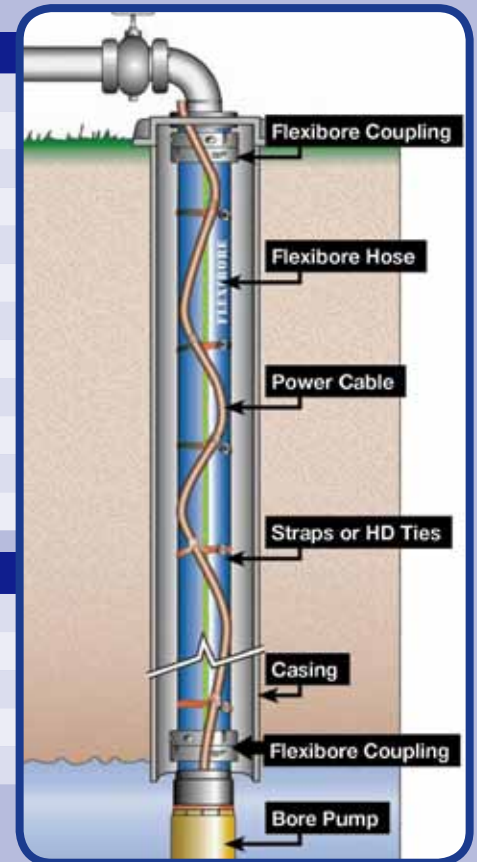
### FLEXIBORE® 400 SERIES

Nominal Size (inches)	3"	4"	5"	6"
Internal Diameter (mm)	76	102	127	152
Burst Pressure (bar)	110	110	90	90
Max. Recommended Operating Head (m)	400	400	400	400
Peak Tensile Load (tonnes)	14	20	25	30
Max. Recommended Tensile Load (tonnes)	7	19	12	15
Weight of Flexibore® (kg/m)	1.5	2.3	3	3.5
Outer Diameter of Coupling (mm)	120	145	175	195
Weight of Coupling Stainless Steel (kg)	6	8	12	14
Weight of Water at 10% Swell (kg/m)	3.74	8.91	14.30	19.80
Fitting Bolt Torque (Nm)	60	60	80	80
Maximum Flow Rate (litres/sec)	18	40	55	90

### OTHER SPECS

Maximum Operating Temperature	60°C
Water pH Range	3 to 9
Maximum Diametric Swell	15%
Maximum Extension	0.5%
Safety Factor	2:1

NOTE: A **FlexiboreCalc** input form is required for **Flexibore® 400**. For operation beyond stated RECOMMENDED OPERATING LIMITS, contact your **Flexibore®** distributor.



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