



## Flexible Rising Main



### World's Best Quality

- ✓ Ultra-deep ground water pumping up to 400m
- ✓ Ultra-high pressure
- ✓ High tensile for very large submersible pumps
- ✓ Flexible so can be rolled up
- ✓ Swells so no internal build-up
- ✓ Rigorously tested
- ✓ Secure coupling

### Ideal for:

- Deep bore water pumping
- Low-cost pumping
- Ease of installation
- Rapid retrieval
- Continuous length

### Other specs

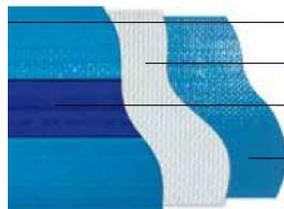
Water pH range	3 to 9
Max. operating temperature	60 °C
Max. diametric swell	10 %
Max. extension	0.5 %
Safety factor	2:1

**FLEXIBORE® 400** is a high-quality layflat hose for use inside boreholes. It is manufactured by weaving a textile reinforcement of high-tensile polyester and encasing it with hydrolysis-resistant polyurethane. The woven polyester fabric gives the hose a high burst pressure for ultra-deep well pumping. It is also designed to handle the weight of the pump plus water up to 400m inside the bore.

**FLEXIBORE® 400** can swell up to 10% making it extremely efficient in reducing pumping costs and friction loss. By dilating under pressure, no internal build-up of iron bacteria occurs, as seen with rigid pipe use such as steel or fibreglass.

Proudly manufactured in Australia by Crusader Hose, **FLEXIBORE® 400** is made to suit deep bore water pumping applications. It is manufactured in a large range of diameters from 76mm to 152mm and is available in continuous lengths of up to 400m. Each roll is fully tested at our factory prior to despatch.

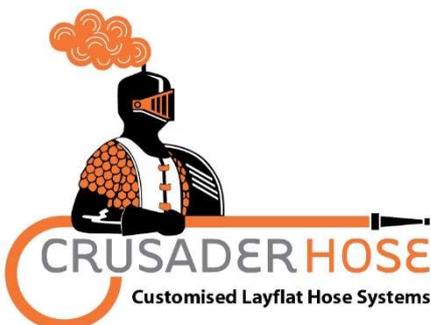
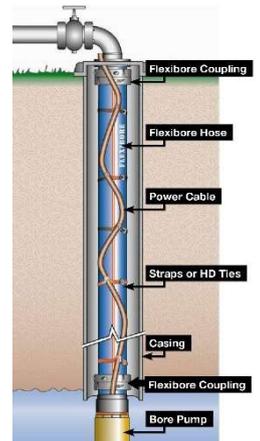
Secure couplings can be easily attached on site. A strip with intermittent loops every half metre runs along the length of the hose. This allows the secure attachment of the electrical power cable to the hose and prevents possible rubbing against the bore casing.



- Tough polyurethane cover
- High pressure woven fabric
- Strip with loops every half meter from which to secure power cable
- Impregnated polyurethane lining bonded to outer cover which eliminates separation

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	350	350
Peak tensile load (tonnes)	14	20	25	30
Max. recommended tensile load (tonnes)	7	10	12.5	15
Weight of Flexibore® (kg/m)	1.5	2.3	3	3.5
Outer diameter of coupling (mm)	120	145	175	195
Weight of stainless-steel coupling (kg)	6	8	12	14
Weight of water at 10% swell (kg/m)	3.7	8.9	14.3	19.8
Fitting bolt torque (Nm)	60	60	80	80
Max. flow rate (litres/sec)	18	40	55	90

NOTE: For operation beyond stated recommended operating limits, contact your Flexibore® distributor.



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