



Flexible Rising Main



An Australian-developed hose

- ✓ Designed for ground water pumping
- ✓ Boreholes up to 100m deep
- ✓ High tensile so no safety cable required
- ✓ Flexible so easy to instal and retrieve
- ✓ Swells so no internal build-up
- ✓ Secure coupling

Ideal for:

- Bore water pumping
- No kinking like polypipe
- Ease of installation
- Rapid retrieval
- Low-cost pumping

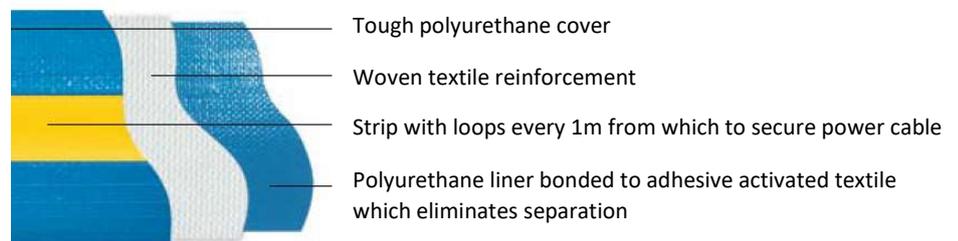


Flexibore® 100 coupling

FLEXIBORE® 100 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 plus tensile strength to handle the weight of the pump. No safety cable is necessary or recommended due to the woven fabric.

FLEXIBORE® 100 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 can be the case with rigid pipe use such as polypipe or steel.

Proudly manufactured in Australia by Crusader Hose, **FLEXIBORE® 100** is made to suit most lower-flow bore water pumping applications. It is manufactured in 32mm & 51mm diameters and is compactly coiled up in a continuous length. Secure couplings can be easily attached on site. A strip with intermittent loops every 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.

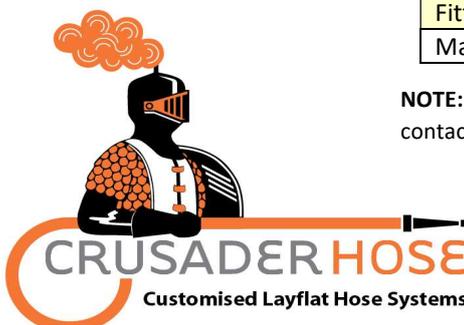


Nominal size (inches)	1 ¼"	2"
Internal diameter (mm)	32	51
Burst pressure (bar)	70	46
Max. recommended operating head (m)	100	100
Peak tensile load (tonnes)	2.0	3.0
Max. recommended tensile load (tonnes)	0.8	1.2
Weight of Flexibore® (kg/m)	0.33	0.48
Outer diameter of coupling (mm)	65	90
Well/Bore casing requirement (mm)	76	102
Coupling thread size (mm)	32	50
Weight of stainless-steel coupling (kg)	0.6	1.7
Weight of water at 10% swell (kg/m)	1.0	2.4
Fitting bolt torque (Nm)	30	40
Max. flow rate (litres/sec)	2	6

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

Other specs

Water pH	4 to 9
Max. operating temperature	40 °C
Max. diametric swell	10 %
Max. extension	1 %
Safety factor	2.5:1



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