

Flexibore® 100

Flexible rising main



Flexibore® 100
coupling set

IDEAL FOR

- Bore water pumping
- Kink-free handling
- Easy installation
- Rapid pump retrieval
- Low-cost pumping

FEATURES

- ✓ Designed for ground water pumping
- ✓ Boreholes up to 100 m deep
- ✓ High tensile - no safety cable required
- ✓ Secure couplings
- ✓ Flexible - easy to install and retrieve
- ✓ Swells - no internal build-up
- ✓ Australian Made

OTHER SPECS

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

Flexibore® 100 is a high-quality layflat hose manufactured for use with submersible pumps. Its revolutionary flexible design simplifies bore water pumping replacing cumbersome rigid pipe.

Flexibore® 100 is manufactured by weaving a textile reinforcement of high-tensile polyester, then extruded with hydrolysis-resistant polyurethane. The woven polyester textile reinforcement gives the hose a high burst pressure and tensile strength, enough to handle the weight of the pump and the column of water. With **Flexibore® 100** and patented couplings, this flexible riser needs no safety cable.

Installing **Flexibore® 100** is easy! Manufactured in 32 mm & 51 mm diameters, it comes compactly coiled in one continuous length; the secure couplings can be easily attached on-site. A coloured strip with intermittent loops every metre runs along the length of the hose. This allows for the secure attachment of the power cable and prevents its possible rubbing against the bore casing.

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 poly pipe or steel.

Proudly manufactured in Australia by Crusader Hose, **Flexibore® 100** is made to suit most lower-flow bore water pumping applications.



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TECHNICAL DATA

Diameter (ID)	32 mm	51 mm
	1.25"	2"
Max. operating head	100 m	100 m
Burst pressure	70 bar	46 bar
Peak tensile load	2 t	3 t
Max. tensile load	0.8 t	1.2 t
Weight of hose/m	0.33 kg	0.48 kg
Bore casing requirement	76 mm	102 mm
Coupling OD	65 mm	90 mm
Coupling thread size	32 mm	50 mm
Weight of S/S coupling	0.6 kg	1.7 kg
Weight of water/m at 10% swell	1.0 kg	2.4 kg
Max. flow rate	2 L/s	6 L/s
Fitting bolt torque	30 Nm	40 Nm
Part # Flexibore® 100 hose	HFA032XUA	HFA051XUA
Part # Flexibore® 100 coupling set	CLF032ACE	CLF050ACE

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

Crusader Hose Pty Ltd

22 Industry Place, Bayswater VIC 3153 Australia
e: sales@crusaderhose.com.au p: +61 3 9720 1100

www.crusaderhose.com.au

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