

# Flexibore® 250

## Flexible rising main



Flexibore 250 coupling set



### IDEAL FOR

- Bore water pumping
- Potable water use
- Easy installation
- Rapid retrieval
- Low-cost pumping

**Flexibore 250** 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 250** is manufactured by weaving a textile reinforcement of high-tensile polyester and extruded with hydrolysis-resistant polyurethane. The woven polyester fabric gives the hose a high burst pressure for deep bore pumping. It is designed to handle the weight of the pump and column of water up to 250 m deep.

Secure couplings are easily attached on-site. A coloured strip with loops every metre runs along the hose length. These loops allow for the power cable's secure attachment and prevent possible rubbing of the cable against appropriately-sized bore casings.

**Flexibore 250** can dilate up to 15%, 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 polypipe or fibreglass.

Proudly manufactured in Australia by Crusader Hose, **Flexibore 250** is made to suit most bore water pumping applications. It is manufactured in a large range of diameters from 40 mm to 152 mm and is available in continuous lengths of up to 500 m. Each roll is fully tested at our factory prior to despatch.

### FEATURES

- ✓ Deep groundwater pumping up to 250 m
- ✓ Ultra-high tensile for large submersible pumps
- ✓ Flexible - easy to install and retrieve
- ✓ Dilates - no internal build-up
- ✓ Rigorously tested
- ✓ Secure couplings
- ✓ Australian Made

### TECHNICAL DATA

Diameter (ID)	40 mm	51 mm	76 mm	102 mm	127 mm	152 mm	
	1.5"	2"	3"	4"	5"	6"	
Max. operating head	250 m	250 m	250 m	250 m	250 m	250 m	
Min. burst pressure	7200 kPa	7400 kPa	5800 kPa	5200 kPa	5000 kPa	5800 kPa	
Peak tensile load	3 t	4.2 t	8.3 t	10 t	14.5 t	21 t	
Rec. max. tensile load	1.5 t	2.1 t	4.2 t	5 t	7.3 t	10 t	
Weight of hose/m	0.5 kg	0.6 kg	1.1 kg	1.3 kg	2.1 kg	2.7 kg	
Weight of hose with water/m at 10% dilation	1.9 kg	2.8 kg	6.1 kg	10.3 kg	16 kg	22.7 kg	
Max. flow rate	4 L/s	6 L/s	18 L/s	40 L/s	55 L/s	90 L/s	
Coupling OD	75 mm	90 mm	120 mm	150 mm	170 mm	195 mm	
Weight of S/S coupling	1.3 kg	2.8 kg	5.5 kg	7.8 kg	11.7 kg	13 kg	
Fitting bolt torque*	6 Nm	15 Nm	30 Nm	30 Nm	30 Nm	30 Nm	
Part # Flexibore 250 hose	HFB040XUA	HFB051XUA	HFB076XUA	HFB102XUA	HFB127XUA	HFB152XUA	
Part # Flexibore 250 coupling set	304 S/S	CLF040BCE	CLF050BCE	CLF076BCE	CLF102BCE	CLF127BCE	CLF152BCE
	316 S/S	CLF040BDE	CLF050BDE	CLF076BDE	CLF102BDE	CLF127BDE	CLF152BDE

\*Rocol nickel-based anti-seize or equivalent must be applied to the bolt thread.

### OTHER SPECS

Water pH	3 to 9
Max. operating temp	70 °C
Max. diametric dilation	15 %
Max. extension**	2 %
Safety factor	2:1

\*\*within recommended operating parameters.

**NOTE:** For operation beyond stated recommended operating limits, consider **Flexibore 300** or contact your Flexibore distributor.



Scan here to watch a Flexibore installation

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Crusader Hose reserves the right to modify any specification as part of ongoing product development and without prior notice.

Contact Crusader Hose to ensure that the current technical data sheets and documentation are used.

