

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 intermittent loops every metre runs along the hose length. This allows for the secure attachment of the power cable and prevents its possible rubbing against the bore casing.

Flexibore® 250 can swell 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 250 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
- ✓ Swells - 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
Burst pressure	72 bar	74 bar	58 bar	52 bar	50 bar	58 bar
Peak tensile load	3.5 t	3.2 t	8.3 t	10 t	14.5 t	21 t
Max. tensile load	1.7 t	1.6 t	4.2 t	5 t	7.3 t	10 t
Weight of hose/m	0.4 kg	0.6 kg	0.9 kg	1.5 kg	2.1 kg	2.5 kg
Coupling OD	70 mm	90 mm	115 mm	140 mm	170 mm	190 mm
Weight of S/S coupling	1.3 kg	2.8 kg	5.5 kg	7.8 kg	11.7 kg	13 kg
Weight of water/m at 10% swell	1.2 kg	2.2 kg	3.7 kg	8.9 kg	14.3 kg	19.8 kg
Max. flow rate	4 L/s	6 L/s	18 L/s	40 L/s	55 L/s	90 L/s
Fitting bolt torque	30 Nm	40 Nm	60 Nm	60 Nm	80 Nm	80 Nm
Part # Flexibore® 250 hose	HFB040XUA	HFB051XUA	HFB076XUA	HFB102XUA	HFB127XUA	HFB152XUA
Part # Flexibore® 250 coupling set	304 S/S	CLF040BCE	CLF050BCE	CLF076BCE	CLF102BCE	CLF127BCE
	316 S/S	CLF040BDE	CLF050BDE	CLF076BDE	CLF102BDE	CLE127BDE

OTHER SPECS

Water pH	3 to 9
Max. operating temp	60 °C
Max. diametric swell	15 %
Max. extension	0.5 %
Safety factor	2:1

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



Scan here to learn more

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