

# Flexibore® 400

## Flexible rising main



Flexibore 400 coupling set

### IDEAL FOR

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

**Flexibore 400** 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 400** 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 ultra-deep well pumping. It is designed to handle the weight of the pump and water up to 400 m deep.

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

**Flexibore 400** can dilate 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 76 mm to 152 mm and is available in continuous lengths of up to 400 m. Each roll is fully tested at our factory prior to despatch.

### FEATURES

- ✓ Ultra-deep groundwater pumping up to 400 m
- ✓ Ultra-high pressure
- ✓ High tensile for very large submersible pumps
- ✓ Flexible - can be rolled up
- ✓ Dilates - no internal build-up
- ✓ Rigorously tested
- ✓ Secure couplings
- ✓ Australian Made

### TECHNICAL DATA

Diameter (ID)	76 mm	102 mm	127 mm	152 mm
	3"	4"	5"	6"
Max. operating head	400 m	400 m	400 m	400 m
Min. burst pressure	10000 kPa	10000 kPa	9000 kPa	8000 kPa
Peak tensile load	14 t	20 t	25 t	30 t
Recommended max. tensile load	7 t	10 t	12.5 t	15 t
Weight of hose/m	1.5 kg	2.3 kg	3 kg	3.6 kg
Weight of hose with water/m at 10% dilation	6.5 kg	11.3 kg	16.9 kg	23.6 kg
Max. flow rate	18 L/s	40 L/s	55 L/s	90 L/s
Coupling OD	120 mm	150 mm	180 mm	205 mm
Weight of S/S coupling	6 kg	8 kg	12 kg	14 kg
Fitting bolt torque*	30 Nm	30 Nm	30 Nm	55 Nm
Part # Flexibore 400 hose	HFD076XUA	HFD102XUA	HFD127XUA	HFD152XUA
Part # Flexibore 400 coupling set in 316 S/S**	CLF076DDE	CLF102DDE	CLF127DDE	CLF152DDE

\*Rocol nickel-based anti-seize or equivalent must be applied to the bolt thread.  
\*\*Coupling sets in Duplex 2205 & Super Duplex 2507 available on special order.

### OTHER SPECS

Water pH	3 to 9
Max. operating temp	70 °C
Max. diametric dialation	10 %
Max. extension***	2 %
Safety factor	2:1

\*\*\*within recommended operating parameters.

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



Scan here to learn more

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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.

