



Flexibore[®] 250 for Bore Water Pumping



Flexibore® 250



Flexibore 250 Coupling Set
(One set = one coupling and two clamps)



FEATURES

- ✓ Deep bore water 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

Flexibore 250: The Ultimate Layflat Hose for Submersible Pumps

Flexibore 250 is a premium layflat hose designed to simplify bore water pumping by replacing rigid pipes with a flexible, high-performance alternative. Manufactured in Australia by **Crusader Hose**, this revolutionary hose is engineered for deep bore applications, supporting pump depths of up to **250 metres**.

Superior Strength & Durability

Flexibore 250 is constructed using a **high-tensile polyester weave** and **hydrolysis-resistant polyurethane**, ensuring exceptional strength and reliability. The woven textile reinforcement provides **high burst pressure** while also bearing the full weight of the pump and water column.

Efficient & Cost-Effective

Unlike traditional rigid pipes, Flexibore 250 can **dilate by up to 15%**, reducing friction loss and significantly lowering pumping costs. Its dilation also prevents iron bacteria build-up, a common issue in poly pipe or fibreglass systems.

Easy Installation & Secure Cable Management

The hose features a **coloured guide strip with loops** spaced every 1/2 metre or 1 metre depending on diameter, allowing for secure attachment of power cables. This design prevents cable abrasion against the bore casing. Additionally, secure couplings can be easily attached on-site, simplifying setup and maintenance.

Versatile & Reliable

Flexibore 250 is available in a wide range of diameters and **continuous lengths** up to 500 m. Every roll undergoes rigorous factory testing before despatch, guaranteeing reliability in the field. For a **high-quality, easy-to-install, and cost-efficient** bore water pumping solution, choose **Flexibore 250** – engineered for performance, built to last.

Flexibore 250-A: Chemical Resistance for Demanding Environments

Flexibore 250-A offers all the strength and reliability of Flexibore 250 with enhanced chemical resistance for superior durability in aggressive conditions. Flexibore 250-A pairs seamlessly with duplex and super duplex couplings, ensuring maximum corrosion protection.

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-A hose	HFE040XUA	HFE051XUA	HFE076XUA	HFE102XUA	HFE127XUA	HFE152XUA
Part # Flexibore 250 coupling set 316 S/S	CLF040BDE	CLF050BDE	CLF076BDE	CLF102BDE	CLF127BDE	CLF152BDE
Part # coupling set 316 S/S fitted with brass break-off plug	-	-	CLF076BDF	CLF102BDF	CLF127BDF	CLF152BDF

*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 400** or contact your Flexibore distributor.

INTENDED USE: Flexibore systems are intended for upstream raw water transfer only, and it is assumed that suitable filtration and treatment are installed prior to connection to regulated potable water plumbing systems.

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 most up-to-date information is used.





Flexibore Accessories

Crusader Hose designs and manufactures a comprehensive range of accessories to streamline the installation and retrieval of **Flexibore** hose.

FlexiStraps & Cable Ties - Secure Cable Management for Flexibore

FlexiStraps and cable ties provide reliable cable-securing solutions for use with Flexibore. FlexiStraps are particularly recommended for securing thicker power cables, ensuring stability and durability in demanding environments.



Lifting Clamp

A crucial tool for the safe and efficient installation of your submersible pump. Crusader Hose provides a selection of **Lifting Clamps**, with load capacities ranging from **1.2 tonnes to 7 tonnes**, ensuring compatibility with your bore installation project.



Installation Roller

Designed to simplify the installation and retrieval of submersible pumps using the **vehicle installation method**. Crusader Hose offers **Installation Rollers** rated for **5 tonnes and 10.5 tonnes**, providing durability and ease of use for your operations.



Other Accessories

Bore Cap



Break-Off Plug



Hose Joiner



Adaptors & Sockets



Torpedo



Scan to watch a Flexibore installation



Flexibore® 250

IDEAL FOR

- Bore water pumping - diameters of 40 mm to 152 mm
- Potable water use
- Easy installation
- Rapid retrieval
- Low-cost pumping

Also available: Flexibore 250-A Hose



Engineered for demanding environments, **Flexibore 250-A** offers all the strength and reliability of the Flexibore 250 with enhanced chemical resistance for superior durability in aggressive conditions. Designed for high-performance pumping applications, it pairs seamlessly with duplex and super duplex couplings, ensuring maximum corrosion protection and long service life.



A-frame & Reel
with bulk length of
Flexibore 250 152 mm



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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