



Flexibore[®] 100 for Bore Water Pumping



Flexibore® 100



Flexibore 100 Coupling Set
(One set = one coupling and one clamp)



FEATURES

- ✓ Bore water pumping up to 100 m
- ✓ High tensile - no safety cable required
- ✓ Flexible - can be rolled up
- ✓ Dilates - no internal build-up
- ✓ Rigorously tested
- ✓ Secure couplings
- ✓ Australian Made

Flexibore 100: The Ultimate Layflat Hose for Submersible Pumps

Flexibore 100 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 **100 metres**.

Superior Strength & Durability

Flexibore 100 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, making it ideal for demanding submersible pump applications.

Efficient & Cost-Effective

Unlike traditional rigid pipes, Flexibore 100 can **dilate by up to 10%**, 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, ensuring safe and efficient operation. Additionally, secure couplings can be easily attached on-site, simplifying setup and maintenance.

Versatile & Reliable

Flexibore 100 is available in **32 mm and 51 mm** diameters and **continuous lengths** up to 500 m, catering to various bore water pumping needs. 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 100** – engineered for performance, built to last.

TECHNICAL DATA

Diameter (ID)	32 mm	51 mm
	1.25"	2"
Max. operating head	100 m	100 m
Min. burst pressure	7000 kPa	4600 kPa
Peak tensile load	2 t	3 t
Recommended max. tensile load	0.8 t	1.2 t
Weight of hose/m	0.3 kg	0.48 kg
Weight of hose with water/m at 10% dilation	1.2 kg	2.7 kg
Max. flow rate	2 L/s	6 L/s
Coupling OD	65 mm	90 mm
Coupling thread size	32 mm	50 mm
Weight of S/S coupling	0.6 kg	1.7 kg
Fitting bolt torque*	6 Nm	15 Nm
Part # Flexibore 100 hose	HFA032XUA	HFA051XUA
Part # Flexibore 100 coupling set	CLF032ACE	CLF050ACE

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

OTHER SPECS

Water pH	4 to 9
Max. operating temp	40 °C
Max. diametric dilation	10 %
Max. extension**	2 %
Safety factor	2.5:1

**within recommended operating parameters.

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

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.

Cable Ties - Secure Cable Management for Flexibore 100

Cable ties are a reliable cable-securing solution for use with Flexibore. Depending on the thickness of the cables, one or two **Cable Ties** are required at each loop.



Hose diameter (ID)	32 mm	51 mm
	1.25"	2"
Weight/each	0.01 kg	
Part #	ACF001JEA	

1.2 Tonne Lifting Clamp

A crucial tool for the safe and efficient installation of your submersible pump. Crusader Hose manufactures a 1.2 tonne **Lifting Clamps**, ensuring compatibility with your bore installation project.



Rating	1.2 Tonne
Hose compatibility (ID)	32 mm - 152 mm
	1.25" - 6"
Weight	11 kg
Dimensions	450 mm x 100 mm x 170 mm
Part #	ACF012ASB

Flexibore 100 Installation Roller

Designed to simplify the installation and retrieval of submersible pumps using the **walk-in or vehicle installation methods**. The Installation Roller v2 comprises the frame, roller, two R-clips and a 450 kg rated strap. The frame has three pairs of roller mounting holes to accommodate a variety of bore casing diameters.



Rated load	150 kg
Proof load	300 kg
Weight	3 kg
Part #	ACF002BSA

Bore Caps

Stainless steel or galvanised **Bore Caps** are available in a variety of sizes.

Diameter	32 mm Galvanised	50 mm Galvanised	50 mm 316 S/S
Part #	ACF032HGA	ACF050HGA	ACF050HDA



Scan to watch
a video on
Flexibore 100



Flexibore® 100

IDEAL FOR

- Bore water pumping - diameters of 32 mm & 51 mm
- Potable water use
- Easy installation
- Rapid retrieval
- Low-cost pumping

Other Accessories

Bore Cap



Adaptors & Sockets



Hose Joiner



Wooden drum with bulk length of Flexibore 100 hose



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

2507

