



# Flexibore<sup>®</sup> 120 for Bore Water Pumping



# Flexibore® 120

**NEW!**



## Flexibore 120 Coupling Set

(One set = one coupling and one clamp)



## FEATURES

- ✓ Deeper bore pumping up to 120 m
- ✓ Eco-friendly black guide strip made from recycled PU
- ✓ One-person handling – faster installation, even in remote areas
- ✓ Off-site preparation – assemble pump and cable before deployment
- ✓ Rigorously tested
- ✓ Secure couplings
- ✓ Australian Made

## The Next Generation in Bore Pump Hose Technology

The new **Flexibore 120** is a high-performance layflat hose designed for efficient bore water pumping. Engineered to replace rigid pipe systems, it supports submersible pump installations up to 120 metres deep—a 20% upgrade on the trusted Flexibore 100 series. Manufactured using high-tensile polyester and hydrolysis-resistant polyurethane, Flexibore 120 offers superior strength, exceptional flexibility, and ease of installation. Its layflat design allows for faster deployment and retrieval compared to traditional poly pipe, making handling and storage significantly more convenient.

## Superior Strength & Durability

- ✓ **High Burst Pressure:** Through advanced weaving techniques, the hose achieves burst pressures of up to 7000 kPa.
- ✓ **High-tensile Strength:** Woven textile reinforcement supports full pump and water column weight.

## Efficient & Cost-Effective

- ✓ **Dynamic Expansion Capability:** Hose dilates up to 10% increasing the internal diameter of the hose while pressurised, reducing friction loss and energy consumption.
- ✓ **Iron Bacteria Prevention:** Layflat hose dilation helps stop iron bacteria build-up—unlike poly—keeping water flow clear and pumps efficient.

## Easy Installation & Secure Cable Management

- ✓ **Flexible Layflat Design:** With a lighter, more flexible build, Flexibore 120 enables quick installation, retrieval, and easy pump checks by one person—a task that requires two with poly pipe.
- ✓ **Cable Management:** Integrated guide strip with loops every 1 metre for secure cable attachment.
- ✓ **Secure, Reliable Coupling:** Quick-fit design for dependable pump connections, allowing off-site preparation to save time on-site.

## Versatile & Reliable

- ✓ **Versatile Lengths:** Available in continuous lengths up to 1000 metres
- ✓ **Diameter Options:** 32 mm and 51 mm

## Sustainability & Compliance

- ✓ Contains **10% recycled content** – black guide strip made from regrind PU
- ✓ Certified to **AS/NZS 4020:2018** – suitable for use with drinking water

## Quality Assurance

Proudly Australian Made, each roll of Flexibore 120 undergoes **rigorous factory testing** prior to despatch to ensure consistent performance and reliability.

## TECHNICAL DATA

	32 mm	51 mm
Diameter (ID)	1.25"	2"
Max. operating head	120 m	120 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 120 hose	HFF032XUA	HFF051XUA
Part # Flexibore 120 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.



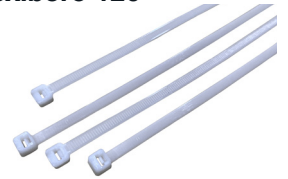


## Flexibore Accessories

**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 120

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. For cables larger than 25 mm in diameter, **FlexiStrap** securement may be required.



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



### 1.2 Tonne Lifting Clamp

A recommended 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.



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



### Installation Roller V2

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.



<b>Rated load</b>	150 kg
<b>Proof load</b>	300 kg
<b>Weight</b>	3 kg
<b>Part #</b>	ACF002BSA



### Bore Caps

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

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



# Flexibore® 120

Ideal for agricultural, mining, and municipal water systems, Flexibore 120 simplifies deep bore-water pumping with unmatched flexibility and strength.

## Other Accessories

Bore Cap



Adaptors & Sockets



Hose Joiner



**Wooden drum** with bulk length of Flexibore 120 hose



**Crusader Hose Pty Ltd**

22 Industry Place, Bayswater VIC 3153 Australia

e: [sales@crusaderhose.com.au](mailto:sales@crusaderhose.com.au) p: +61 3 9720 1100

[www.crusaderhose.com.au](http://www.crusaderhose.com.au)

2509

