

Flexibore® 100

Flexible rising main



Flexibore 100 coupling set

IDEAL FOR

- Bore water pumping
- Kink-free handling
- Easy installation
- Rapid pump retrieval
- Low-cost pumping

FEATURES

- ✓ Designed for ground water pumping
- ✓ Boreholes up to 100 m deep
- ✓ High tensile - no safety cable required
- ✓ Secure couplings
- ✓ Flexible - easy to install and retrieve
- ✓ Dilates - no internal build-up
- ✓ Australian Made

OTHER SPECS

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

Flexibore 100 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 100 is manufactured by weaving a textile reinforcement of high-tensile polyester, then extruded with hydrolysis-resistant polyurethane. The woven polyester textile reinforcement gives the hose a high burst pressure and tensile strength, enough to handle the weight of the pump and the column of water. With **Flexibore 100** and patented couplings, this flexible riser needs no safety cable.

Installing **Flexibore 100** is easy! Manufactured in 32 mm & 51 mm diameters, it comes compactly coiled in one continuous length; the secure couplings can be easily attached on-site. A coloured strip with intermittent loops every metre runs along the length of the hose. This allows for the secure attachment of the power cable and prevents its possible rubbing against the bore casing.

Flexibore 100 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 can be the case with rigid pipe use such as poly pipe or steel.

Proudly manufactured in Australia by Crusader Hose, **Flexibore 100** is made to suit most lower-flow bore water pumping applications.



Scan here to watch the video

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.		

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

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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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.



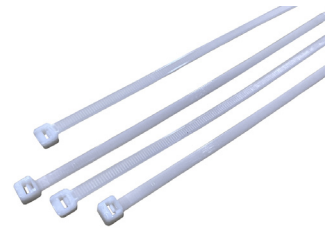
Flexibore® 100 Installation Accessories



CABLE TIES

Cable Ties are a quick and easy way to secure your power cable to Flexibore. Flexibore is manufactured with a coloured strip that creates cable attachment loops to secure your power cable. Depending on the thickness of the cables, one or two **Cable Ties** are required at each loop. Cable attachment loops are found at every 1 metre on Flexibore 100.

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

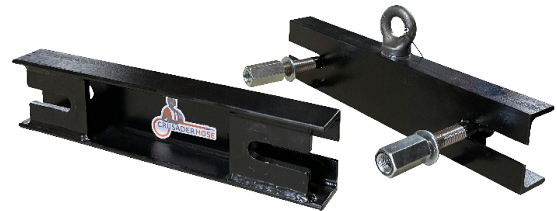


For the Flexibore warranty to remain valid, only Crusader Hose-approved cable ties may be used.

1.2 TONNE LIFTING CLAMP

Lifting Clamps are an essential accessory for the safe installation of your submersible pump with Flexibore. Depending on the chosen installation method, one or two **Lifting Clamps** may be required. Refer to the Installation Manual.

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 v2

The **Flexibore 100 Installation Roller v2** has been designed to assist in installing and retrieving your submersible pump using Flexibore 100. The Installation Roller 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.

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



ADAPTORS & SOCKETS

High-quality stainless steel **Adaptors and Sockets** for alternative configurations are also available. Please contact the Sales Team for more information.

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