

Flexibore® 300

Flexible rising main



Flexibore 300 coupling set

IDEAL FOR

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

Flexibore 300 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 300 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 super-deep bore pumping. It is also designed to handle the weight of the pump plus the column of water up to 300 m deep.

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

Flexibore 300 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 300** is made to suit super-deep bore water pumping applications. It is made in a large range of diameters from 76 mm to 152 mm and is available in continuous lengths of up to 300 m. Each roll is fully tested at our factory prior to despatch.

FEATURES

- ✓ Super-deep groundwater pumping up to 300 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	203 mm
	3"	4"	5"	6"	8"
Max. operating head	300 m	300 m	300 m	300 m	300 m
Min. burst pressure	8000 kPa	8000 kPa	7000 kPa	7000 kPa	6000 kPa
Peak tensile load	10 t	15 t	20 t	25 t	40 t
Recommended max. tensile load	5 t	7.5 t	10 t	12.5 t	20 t
Weight of hose/m	1.5 kg	2.3 kg	3 kg	3.6 kg	3.4 kg
Weight of hose with water/m at 10% dilation	6.5 kg	11.3 kg	16.9 kg	23.6 kg	39 kg
Max. flow rate	18 L/s	40 L/s	55 L/s	90 L/s	148 L/s
Coupling OD	120 mm	150 mm	180 mm	205 mm	280 mm
Weight of S/S coupling	6 kg	8 kg	12 kg	14 kg	42 kg
Fitting bolt torque*	30 Nm	30 Nm	30 Nm	55 Nm	85 Nm
Part # Flexibore 300 hose	HFC076XUA	HFC102XUA	HFC127XUA	HFC152XUA	HFC203XUA
Part # Flexibore 300 coupling set in 316 S/S**	CLF076CDE	CLF102CDE	CLF127CDE	CLF152CDE	CLF203CDE

*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 dilation	10 %
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.



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.

