

**BORELINE<sup>®</sup>**

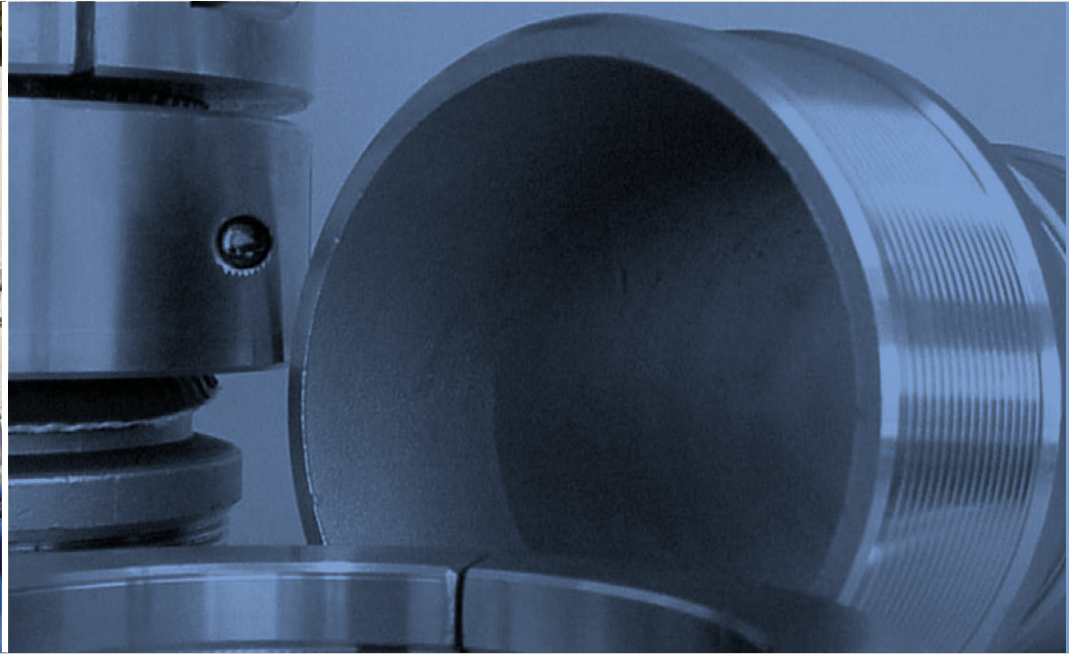
— FlexiRiser<sup>®</sup> —

FLEXIRISER

**HoseSolutions** Inc 

# The **BORELINE**<sup>®</sup> Advantage

The easiest way to install submersible pumps is with **BORELINE FlexiRiser**. Designed to keep it simple, safe and efficient.



Consider the **BORELINE** advantages:

## **ENERGY EFFICIENT**

- Lower Your Pumping Costs
- Energy Savings from Day One
- Self-Cleaning Means No Internal Scaling

## **SAFE**

- Very Simple Installation and Retrieval
- Easy to Store, Handle and Transport
- Smaller Footprint at Well Site

## **APPROVED**

- NSF 61 Approved
- ISO 9001 : 2000
- -40F (-40C) to 160F (70C)

## **LONG LIFE**

- 50 Year Manufacturer Warranty
- Total Corrosion Resistance
- Zero Maintenance Product



# Value Engineering at its Best

**BORELINE FlexiRiser** is used where submersible pumps are installed worldwide including North America, South America, Europe, Africa, Australia and Asia.

Install your submersible pump with our **FLEXIRISER Pump Puller**

**Quick**  
**Safe**  
**Efficient**



*75hp x 300gpm pump installed on 580ft x 4" **BORELINE FlexiRiser** in 30 minutes*

Industries using **BORELINE FlexiRiser**:

- MINES
- **AGRICULTURE**
- WATER UTILITIES
- **ENVIRONMENTAL**
- INDUSTRIAL
- **SOLAR**
- ASR
- **MUNICIPALITIES**



# BORELINE® – It Does Make Sense

**BORELINE FlexiRiser** is ideal when improved efficiency and superior performance are required.



## *Aggressive Water Conditions – Totally Corrosion Resistant*

Insist on **BORELINE FlexiRiser** when Potable Drinking Water is required for large utilities or small domestic applications.

## *Contaminated Sites, Environmental Clean-up*

Contaminated sites require pumping in aggressive conditions resulting in the constant replacement of pumps, motors and pipe.

Pumps can be installed and retrieved without handling or contamination. This is safe and secure.



**FLEXIRISER PUMP PULLER**

# BORELINE<sup>®</sup>

— FlexiRiser<sup>®</sup> —

## Installation Procedure

**STEP 1:**  
Connect  
**BORELINE**  
to pump



**STEP 2:**  
Attach power  
cable using  
**BORELINE**  
Cable Straps



**Vertical:** Use clamps to lower **BORELINE** and pump.

**STEP 3 (V):**  
Lift pump  
and lower  
**BORELINE**  
into well



**Horizontal:** Attach **BORELINE** to vehicle and lower into well.

**STEP 3 (H):**  
Lift pump  
and lower  
**BORELINE**  
into well



# BORELINE® – Energy Savings

***Here is an example of an actual customer who moved from steel pipe to BORELINE FlexiRiser***

- *Was pumping 230,000 gpd at \$57.23/day  
= \$24.88 / 100,000 gallons*
- *Invested in new energy efficient equipment,  
Higher GPM pump and **BORELINE FlexiRiser***
- *Now pumping 360,000 gpd at \$46.62/day  
= \$12.95/100,000 gallons*
- *48% reduction in annual energy cost*
- *No cost increase since 2018*

**Grant Cooper**

*Forest Lakes, AZ*

*I am the superintendent of the City of Westport Water department in Washington State. We have high iron and manganese in our water which was causing us to replace our steel drop pipe every 5 to 6 years at a big cost.*

*We invested in **BORELINE FlexiRiser** and don't have any build-up inside our drop pipe. Most interestingly, we have increased our pumping capacity from 120 gpm to 170 gpm. This has resulted in massive energy savings for our City.*

**Jason Barnum**

*City of Westport Water Dept.*



# BORELINE<sup>®</sup> Specifications

— FlexiRiser<sup>®</sup> —

NOMINAL SIZE	1" 25 mm	1.25" 32 mm	1.5" 38 mm	2" 50 mm	2.5" 64 mm	3" 76 mm	3" DS 76 mm	4" 102 mm	5" 127 mm	6" 152 mm	8" 202 mm
<b>MAXIMUM DEPTH SETTING</b>	1,200 ft 400 m	1,000 ft 300 m	1,000 ft 300 m	1,000 ft 300 m	800 ft 250 m	800 ft 250 m	1312 ft 400 m	800 ft 250 m	700 ft 220 m	700 ft 220 m	400 ft 120 m
<b>THEORETICAL BURST PRESSURE</b>	980 psi 67 bar	920 psi 63 bar	920 psi 63 bar	920 psi 63 bar	850 psi 58 bar	850 psi 58 bar	1450 psi 100 bar	820 psi 56 bar	820 psi 56 bar	820 psi 56 bar	600 psi 42 bar
<b>OPERATING PRESSURE</b>	500 psi 35 bar	430 psi 30 bar	430 psi 30 bar	430 psi 30 bar	360 psi 25 bar	360 psi 25 bar	600 psi 41 bar	360 psi 25 bar	310 psi 22 bar	310 psi 22 bar	200 psi 15 bar
<b>THEORETICAL TENSILE STRENGTH</b>	3,000 lbs 1,400 kg	3,750 lbs 1,700 kg	6,500 lbs 3,000 kg	8,750 lbs 4,000 kg	11,000 lbs 6,000 kg	15,000 lbs 7,000 kg	26,000 lbs 12,000 kg	20,000 lbs 9,000 kg	30,000 lbs 13,000 kg	34,000 lbs 16,000 kg	48,000 lbs 22,000 kg
<b>MAXIMUM* RECOMMENDED WORKING LOAD</b>	1,500 lbs 680 kg	1,700 lbs 780 kg	2,500 lbs 1,200 kg	3,500 lbs 1,600 kg	4,500 lbs 2,000 kg	5,500 lbs 2,500 kg	9,600 lbs 4,500 kg	9,000 lbs 4,000 kg	11,000 lbs 5,000 kg	15,000 lbs 6,800 kg	16,000 lbs 7,000 kg
<b>WEIGHT OF BORELINE</b>	0.14 lb/ft 0.2 kg/m	0.18 lb/ft 0.27 kg/m	0.22 lb/ft 0.33 kg/m	0.37 lb/ft 0.55 kg/m	0.57 lb/ft 0.85 kg/m	0.64 lb/ft 0.95 kg/m	0.70 lb/ft 1.00 kg/m	0.94 lb/ft 1.40 kg/m	1.14 lb/ft 1.70 kg/m	1.68 lb/ft 2.50 kg/m	2.30 lb/ft 3.40 kg/m
<b>FITTING BOLT TORQUE SPEC</b>	8 ft.lb 10 Nm	8 ft.lb 10 Nm	8 ft.lb 10 Nm	10 ft.lb 12 Nm	15 ft.lb 20 Nm	22 ft.lb 30 Nm	22 ft.lb 30 Nm	22 ft.lb 30 Nm	30 ft.lb 40 Nm	33 ft.lb 45 Nm	33 ft.lb 45 Nm
<b>MINIMUM* RECOMMENDED WELL DIAMETER</b>	4" 102 mm	4" 102 mm	4" 102 mm	6" 152 mm	6" 152 mm	6" 152 mm	6" 152 mm	8" 203 mm	10" 254 mm	12" 305 mm	14" 356 mm
<b>WEIGHT OF FITTING</b>	2 lb 1 kg	2 lb 1 kg	5 lb 2 kg	7 lb 3 kg	11 lb 5 kg	14 lb 6 kg	17 lb 8 kg	19 lb 9 kg	31 lb 14 kg	35 lb 16 kg	95 lb 43 kg
<b>WEIGHT OF WATER</b>	0.40 lb/ft 0.6 kg/m	0.70 lb/ft 1.0 kg/m	1.4 lb/ft 2 kg/m	1.60 lb/ft 3 kg/m	2.60 lb/ft 4 kg/m	3.50 lb/ft 5 kg/m	3.50 lb/ft 5 kg/m	6.20 lb/ft 9 kg/m	9.60 lb/ft 14 kg/m	14 lb/ft 21 kg/m	24 lb/ft 37 kg/m

*Our policy of continuous improvement can result in changes to specifications without prior notice.*

*This product is not for use with contaminated water without prior written approval.*

*\*Please contact us to discuss.*



# BORELINE<sup>®</sup>

— FlexiRiser<sup>®</sup> —

Sales@HoseSolutions.com  
HoseSolutions.com

9419 E. San Salvador Dr. #104  
Scottsdale, AZ 85258 USA  
+1 (480) 607-1507

HoseSolutions Inc

Ref: 01/30/24

Supplied By:

