

## BORELINE FLEXIBLE RISING MAIN DATASHEET

# BORELINE

the flexible rising main

**Description:** Boreline polyurethane flexible rising main is a premium quality extruded layflat hose that sets new standards in performance and durability for borehole rising mains. Boreline features superior abrasion resistance, total corrosion resistance to seawater and aggressive groundwater, low co-efficient of friction, flexible and lightweight compared to steel – it's an extremely hardwearing and durable zero maintenance product which will give a long service life.

**Applications:** Applications include: industrial, water authorities, agriculture and mining, for heavy duty service under the toughest conditions.

**Construction:** High tenacity polyester yarn, circular woven and totally encapsulated to form an integrated cover and lining of a high performance polyurethane elastomer. A special rib is incorporated in the cover to facilitate the attachment of securing straps for the electric cable.



**Service Temperature:** Up to 50 Deg C.

**Average Extension:** 3%.

**Diametric Swell:** 15%.     **Length:** Up to 300m continuous – normally supplied cut to suit.

**Couplings:** Boreline is supplied with fully re-usable 316 grade Stainless Steel couplings each comprising a body and two outer fastening clamps – also in Glass-Reinforced Nylon for 1" to 4" sizes. The coupling body incorporates a BSP male threaded connection for attachment to the pump / headplate & two ribs over which the hose fits and the clamps are tightened – the two fastening clamps being split into three equal parts. These couplings will give a long service life and are fully warranted for use with Boreline.

**Approvals:** WRAS, NSF61, SABS ISO 9001 Fully complies to BS6920

**Warranty: 5 Years** (When installed by an approved installer)

### TECHNICAL DATA

Product Code	Nominal Size		Minimum Well Diameter	Working Pressure	Bursting Pressure	Breaking Strength	Maximum Working Load	Coupling Torque Setting	Coupling Outer Diameter	Coupling Weight	Boreline Weight	Column Weight of Water
	inch	mm										
001-BL0025-1	1	25	76	40	85	1400	470	10	55	1.0	0.2	0.6
001-BL0040-1.5	1½	40	102	30	65	3000	1000	10	75	1.5	0.33	1.94
001-BL0050-2	2	50	102*	30	65	4000	1300	12	95	3.5	0.55	2.25
001-BL0065-2.5	2½	65	152	25	60	6000	2000	20	109	5.0	0.85	3.32
001-BL0076-3	3	75	152	25	60	7000	2300	30	115	6.5	0.95	5.10
001-BL0102-4	4	100	203	25	58	12000	4000	30	145	8.5	1.40	9.05
001-BL0125-5	5	125	255	22	58	15000	5000	40	175	14.0	1.70	14.15
001-BL0154-6	6	150	305	22	58	20000	6600	45	200	16.0	2.50	20.35
001-BL0203-8	8	200	406	12	58	22000	7300	45	270	43.0	3.40	31

Minimum well diameters make no allowance for any cables or dip tubes

\*minimum 152mm well required when using 2" / 50mm GRN couplings

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