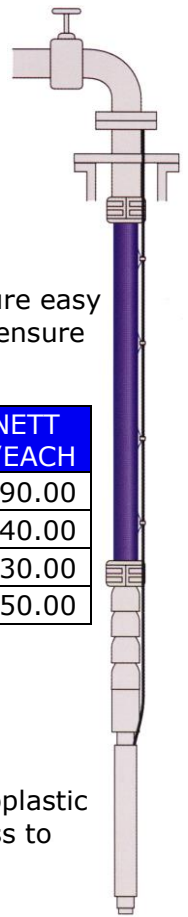



A complete system

The complete well riser main system consists of the Wellman hose, with special couplings, a submersible pump and power cables.



AISI 316 Stainless Steel Couplings

The potable water approved Wellman couplings are especially developed by Mandals to ensure easy installation and secure operation in the long term. They can be reused as needed and help ensure that the hose is coupled properly every time.

	INNER DIAMETER OF HOSE	OUTER DIAMETER OF COUPLING	PART No.	WEIGHT PER COUPLING	NETT \$/EACH
	2"/51mm	106mm	WHC51	3.60kg	190.00
	3"/76mm	133mm	WHC76	6.75kg	340.00
	4"/102mm	164mm	WHC102	10.70kg	430.00
	6"/154mm*	200mm	WHC152	8.00kg	750.00

*The 6" coupling is a different design.

Hose Construction

Mandals Wellman is manufactured using "through the weave" technology, where the thermoplastic polyether based polyurethane (TPU) lining and cover are formed in a single extrusion process to provide a tough composite riser with excellent wear and tear properties.

The textile reinforcement is designed to support the weight of the submersible pump, the column of water, the power cable and the riser itself, with a minimum 2:1 safety factor. Additionally, torque on pump start-up is accommodated without damage to the riser.

The preattached and strong loops allow for easy attachment of the power cables for the submersible pump.

Technical Data Mandals Wellman

INNER DIAMETER		WALL THICKNESS	PART No.	WEIGHT*	BURST PRESSURE		MAX. WELL DEPTH	MAX. CONTINUOUS END LOAD**
INCH	MM	MM		KG/M	PSI	BAR	M	KG
2	51+2.0	3.1	WELMAN51	0.57	870	60	250	1,700
3	76+2.0	3.1	WELMAN76	0.91	870	60	250	3,000
4	102+2.5	3.7	WELMAN102	1.50	870	60	250	5,500
5	127+2.5	3.7	WELMAN127	1.88	870	60	250	7,200
6	152+3.0	4.0	WELMAN152	2.30	870	60	250	9,000

To obtain maximum lifetime for the hose, it is recommended that actual working pressure does not exceed 30 bar/435 psi at the submerged pump head.

*Dry hose without any attachments.

**Including weight of water, pump, power cable, coupling, attachments, etc.