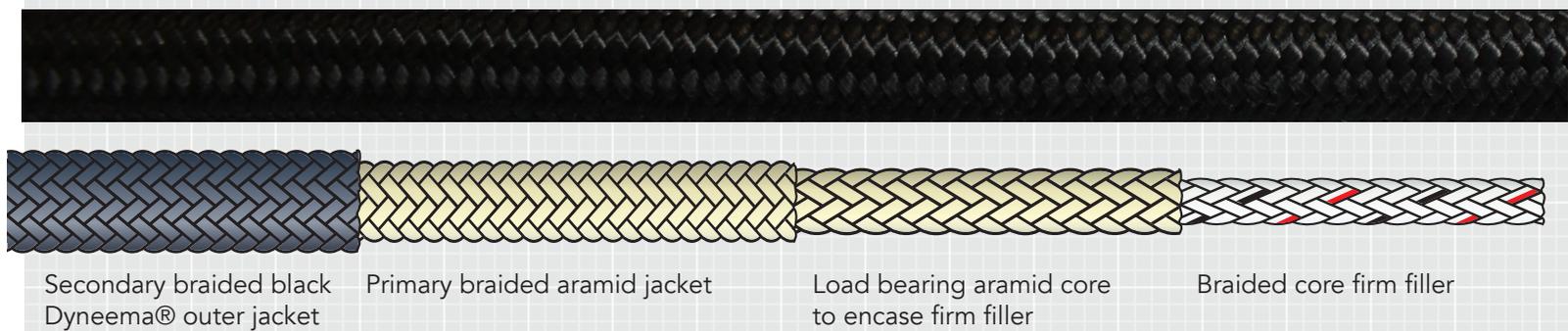


# Marlow<sup>®</sup> DATASHEET

## PRO-DRIVE TORSION ROPE v.2 AN ENGINEERED EVOLUTION



Secondary braided black  
Dyneema® outer jacket

Primary braided aramid jacket

Load bearing aramid core  
to encase firm filler

Braided core firm filler

Following the success of Marlow's original torsional cable, the **PRODRIVE v.2** has been through an engineered evolution which sees a number of improvements to the core and cover resulting in a better performing rope product with improved rigidity and stiffness without increasing the cost.

Upgrades to the core include the high modulus aramid from the centre of the rope being replaced with a braided core firm filler which gives the centre of the rope more rigidity and durability. A benefit of the braided core is that this no longer 'knuckles' when bent and is then covered with a secondary load bearing aramid core.

The **PRODRIVE v.2** has two additional braided jackets; the first continues to be made from aramid fibre to carry torsional load, and now the second braided jacket has been upgraded from polyester to black Dyneema® – a new addition to the DSM Dyneema® product range which wasn't available at the time of engineering **PRODRIVE v.1**.

These high modulus material improvements have ensured that meaningful stiffness has been added to the **PRODRIVE** product, and with more high modulus material placed further from the axis of rotation, a better performing rope has been born without an increase in cost.



## CONSTRUCTION

<b>MATERIAL CORE:</b>	Para-Aramid
<b>MATERIAL TORSION JACKET:</b>	Para-Aramid
<b>MATERIAL OUTER COVER:</b>	Black Dyneema®
<b>LOAD BEARING CORE:</b>	Braided aramid core, bonded to resist compression
<b>BRAID TORSION JACKET:</b>	24 plait (16 plait for the 7mm)
<b>BRAID COVER:</b>	24 plait (16 plait for the 7mm)

## PROPERTIES

<b>LOW ELONGATION CORE:</b>	Accurate sail shape
<b>LOW CREEP CORE:</b>	Maintains position
<b>VERY HIGH TORSIONAL STIFFNESS:</b>	Excellent torque transmission for Top Down Furling
<b>UV RESISTANCE:</b>	Very good
<b>ABRASION RESISTANT JACKET:</b>	Durable

## PERFORMANCE

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN		
7	1/4	44.7	3.00	2190	4820	21.5	1970	4340	19.3		
9	3/8	66.7	4.47	3440	7570	33.7	3100	6810	30.4		
11	7/16	98.4	6.60	5070	11200	49.7	4560	10000	44.8		
13	33/64	136	9.1	6870	15100	67.4	6180	13600	60.7		
15	19/32	181	12.2	7450	16400	73.1	6710	14800	65.8		

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