

## THREE SPEED SELF TAILING WINCHES

### W80.3ST

The push-button on the base starts the first gear (the faster); second and third gear are automatically selected simply reversing the rotation of the handle.

The drum runs on very wide diameter bearings (s.steel rollers and Torlon balls).

The spring loaded self-tailing disks are self-adjusting.

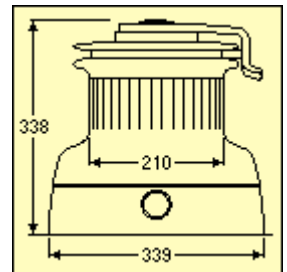
The base, produced with computer numeric control machines with no cast components, allows easy disassembling and maintenance.

All the gears (made in bronze) run on s.steel roller bearings.

This model is available only with bronze drum and can be powered with horizontal or vertical electric motors and with hydraulic motors.



Mod. W80.3 ST



MODEL	W16ST
POWER P1-P2-P3	10.7 / 30.0 / <b>81.4</b>
RECOVERY S1-S2-S3 (mm)	150 / 53 / 20
Ø LINE (mm)	12 / 22
WEIGHT BR (kg)	52.00
SCREWS N x Ø (mm)	8 x Ø10

<b>P1, P2,</b>	power with the first (fast), second (medium) and third (slow)
<b>P3 :</b>	gear.
<b>S1, S2,</b>	recovery speed, the length of line recovered with one turn of
<b>S3 :</b>	the handle in first, second and third gear.

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## WINCH POWER 100, 3 SPEED

- A very fast first gear ratio, therefore direct, capable of winding 80 m per minute.
- A second reduced gear ratio (power 25:1) which will be the most used.
- A third slow gear ratio, therefore high power, 100:1 with automatic insertion.

### RACE VERSION

Means minimum weight and therefore titanium alloy gears, resin bearings; base structure in light alloy entirely produced by CNC machining (no casted components).

The resulting weight is 17 kg.

### EFFICIENCY

The drum runs on 2 roller bearings and one ball type bearing made completely in resin (torlon). Of particular note is the large main roller bearing which is wider than the drum itself and which works externally on the toothed ring gear.

All the gears are mounted on roller bearings for radial loads and on ball bearings for axial loads. There are a total of 20 bearings.

### SELF-TAILING

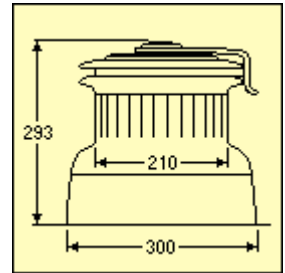
Pre-loaded it automatically adjusts to the various diameters of the line from 8 mm up to 16 mm.



Mod. W100.3 R



**These winches are always driven from a coffee grinder pedestal.**



<b>MODEL</b>	<b>W100.3R</b>
<b>POWER P1-P2-P3</b>	2.4 / 25.0 / <b>98.0</b>
<b>RECOVERY S1-S2-S3 (mm)</b>	660 / 63 / 16
<b>Ø LINE (mm)</b>	8 / 16
<b>WEIGHT BR (kg)</b>	17.00
<b>SCREWS N x Ø (mm)</b>	8 x Ø8