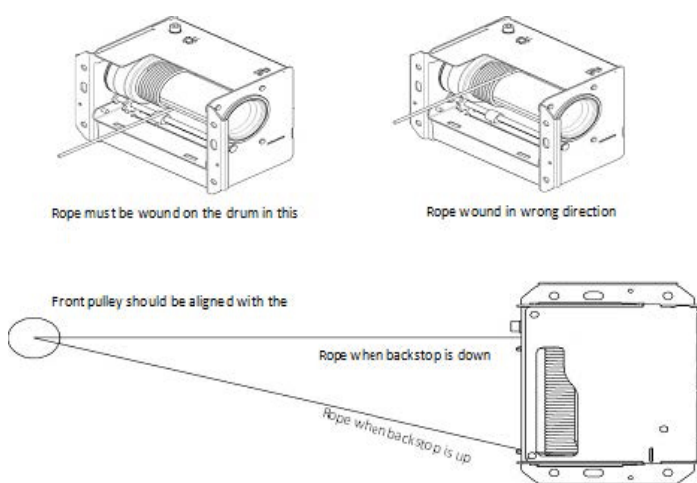


HW 1800 INSTALLATION INSTRUCTIONS

MOUNTING WINCH ON FLAT SURFACE

- Four $\frac{9}{16}$ " diameter holes are provided for mounting the unit. The fastener type and size required will vary according to the type of mounting surface but must be adequate to safely sustain all loads imposed by the backstop. The manufacturer of the backstop system and the architect/engineer for the building should be consulted to determine the proper method and size of fastener necessary.



CAUTION

- As with any lifting device, the installation shall be made only by persons suitably experienced and qualified for work on hoisting equipment in accordance with local requirements.
- The instructions address the areas of proper mounting, rope installation, wiring and limit switch adjustment, but they are not intended to cover every aspect of installation of your hoisting system, not to replace the need for normal good care, workmanship and proper practices on part of the installer.

WIRE ROPE INSTALLATION (SEE FIG. 2)

The winch is designed for standard $\frac{1}{4}$ " diameter 7 x 19 aircraft cable and has a hollow drum, which makes rope attachment simple and reliable. The rope passes through a hole in the drum and is prevented from pulling out by doubling the end back on itself and securing with a standard rope clamp.

- Turn the winch handle to bring the wire rope mounting hole in the winch drum to the top.
- Pass the wire rope from outside the winch in through the rope port and then through the hole in the drum into the center of the hollow drum. Pass enough cable through to allow pulling the free end out the end of the drum.
- Double the cable end back on itself and install the cable clamp supplied. Tighten the nuts progressively to make sure the clamp is fully secured.
- Pull the rope back through the hole to snug the clamp back tight to the hole, inside the drum.
- Wind on at least two turns of rope (the pressure roller will lift by itself to allow the rope to pass under). Make sure that the rope starts properly in its groove to ensure even winding of the cable.

FIG. 2

