

WARNING

READ BEFORE INSTALLING AND OPERATING WINCH INSTALLATION

Mounting structure must be capable of withstanding loads within the capacity of the winch.

OPERATING

Ambient operating temperature between -10°C and $+50^{\circ}\text{C}$. Do not exceed the load capacity rating of the winch. Capacity rating is based on one layer of line around drum. As line builds on drum, capacity decreases. Obtain cable and rope manufacturers recommendation for size and type. Use proper end connection for attaching the hook to the cable or rope. When anchoring line to drum, 4 to 6 wraps must remain on drum to supply friction for a proper anchor. Keep rope or cable properly aligned on drum.

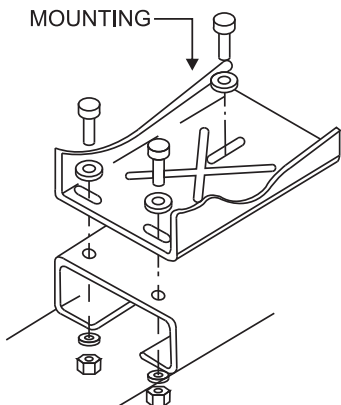
CAUTION: NEVER FULLY EXTEND THE ROPE OR CABLE WHILE UNDER LOAD.

INSPECTION & MAINTENANCE

Moving parts including gears, ratchets and shafts must be kept clean and lubricated to insure proper and safe operation.

Components can be affected by chemicals, salts and rust and should be examined for safe operation before each use. Do not operate winch if line is knotted or kinked or has any sign of weakening. Please replace a new line to ensure the operational safety. Be sure that the steel cable, rope or strap is strong enough to move the load.

Keep hands away from load bearing cables, ropes, sheaves, drums and pulleys while operating. If the switch spring is broken or locking system failure, please stop operation and repair.

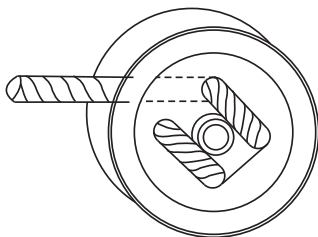




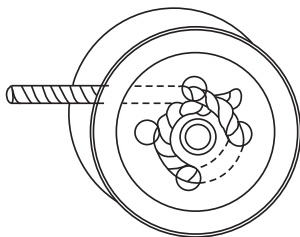
INSTRUCTIONS FOR ATTACHING ROPE TO WINCH DRUM

Requires no bolts, nuts or rope keeper. See illustration below of two ways of threading rope through holes in drum side.

CAUTION: Never fully extend the rope while pulling a load. Keep four (4) complete turns of rope around the drum, otherwise rope can pull loose from drum.



HEAVY LINE



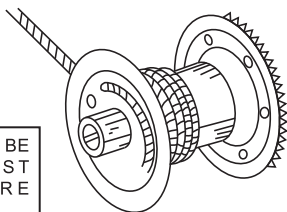
LIGHT LINE



INSTRUCTIONS FOR ATTACHING CABLE TO WINCH DRUM

Requires cable keeper fastened through square holes. See illustration below :

CAUTION: Never fully extend the cable while pulling a load. Keep four (4) complete turns of cable around the drum, otherwise cable can pull loose from drum.



HANDLE AND NUT MUST BE
TIGHTENED AGAINST
SHOULDER BEFORE
OPERATING WINCH.