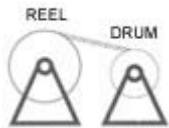


## PHILLYSTRAN<sup>®</sup> ROPE HANDLING

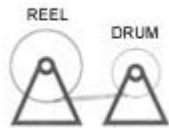
401-2/06

Phillystran rope or strand is lightweight, very high strength, flexible, and non-metallic. A protective jacket is extruded or braided over the finished rope or strand to provide abrasion and weather protection.

### CORRECT SPOOLING OF ROPE ON DRUM

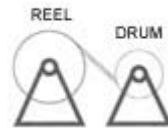


Correct overwind

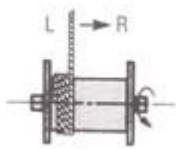


Correct underwind

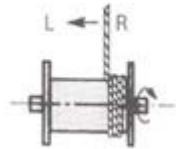
### INCORRECT



### CORRECT ONE LAYER WINDING



Overwind left to right\*



underwind right to left

\*observer behind drum, looking toward direction of rope travel

The winding or spooling methods illustrated above may be used to assure the proper direction of rope lay on flat or smooth-face drums.

### CORRECT UNREELING AND HANDLING



Unreel or uncoil by unwinding.

### INCORRECT



Do not pull out of a coil.  
Do not throw loops off a reel .

### CORRECT UNREELING



The reel should be revolved and the rope taken off the same way it was put on. A shaft, inserted through the center of the reel, should be jacked or blocked up. The rope should be pulled straight ahead, keeping it taut to prevent loosening up on the reel. A board held against one flange can be used as a brake.

**CAUTION: Break Strength:** The breaking strength of a rope is the load at which a new rope will break when tested under laboratory conditions. Break strength should not be mistaken for safe working load. **Safe Working Load:** Because of the wide range of rope use, rope condition and the degree of risk of life or property, it is not possible to make a blanket recommendation for safe working load. It is ultimately dependent on the rope user to determine what percentage of break strength is their own safe working load. **Wear:** Ropes wear out with use; the more severe the usage, the greater the wear. It is often not possible to detect wear on a rope by visible signs alone. Therefore, it is recommended that the rope user determine a retirement criteria for ropes in their application. For assistance in developing safe working load and retirement criteria for each application please call or write Phillystran, Inc.

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