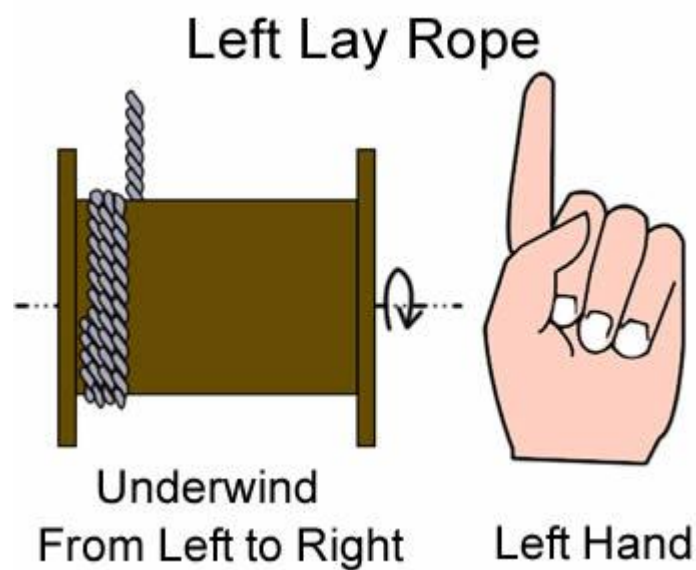


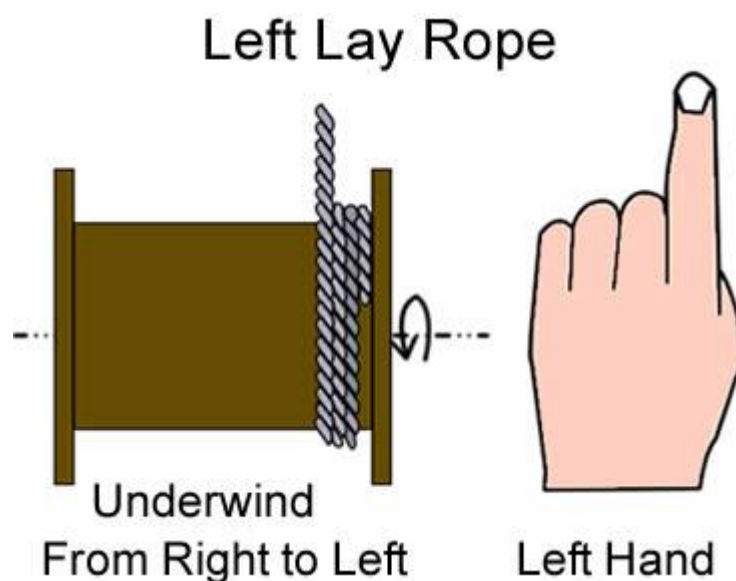
Winding & Re-reeling steel wire ropes

It is important to attach steel wire ropes at the correct locations on a smooth drum as improper winding methods will cause the spreading of turns in the first layer of steel wire ropes on the drum. Then the second layer of wire ropes may be wedged between the open coils of first layer, crushing and flattening the rope as successive layers are spooled.

Generally, steel wire ropes are wound from the top of the one reel to the top of another or from the bottom to bottom. But how to start wire ropes on a drum may puzzle lots of our customers. The following illustration will give you the best solution.

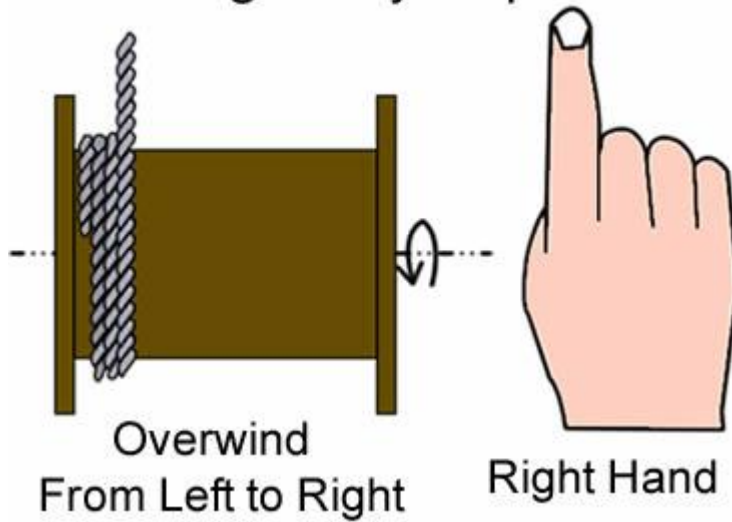


Underwind - left to right



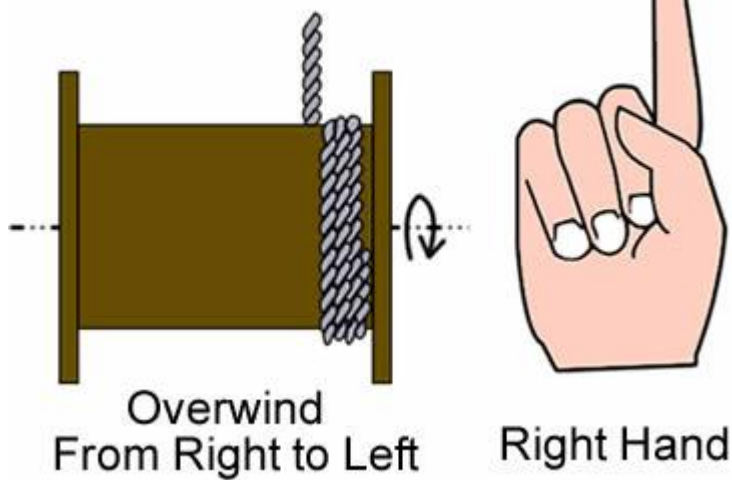
Underwind - right to left

Right Lay Rope



Overwind - left to right

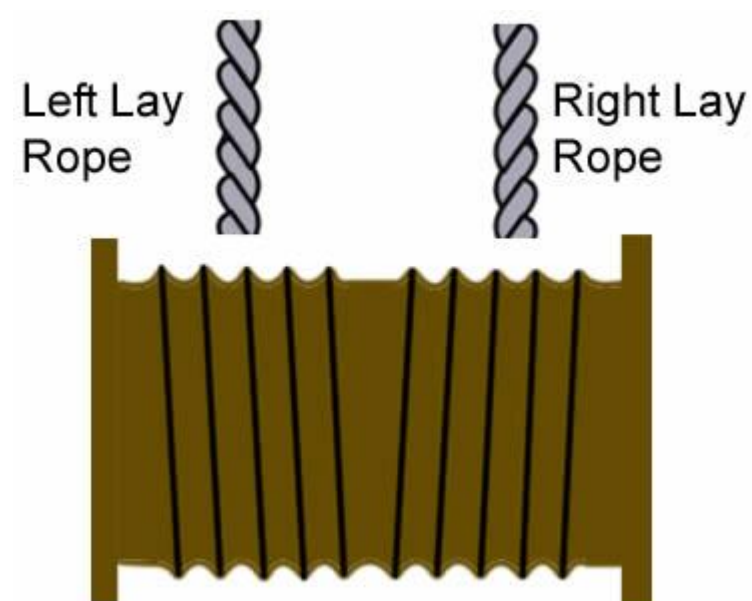
Right Lay Rope



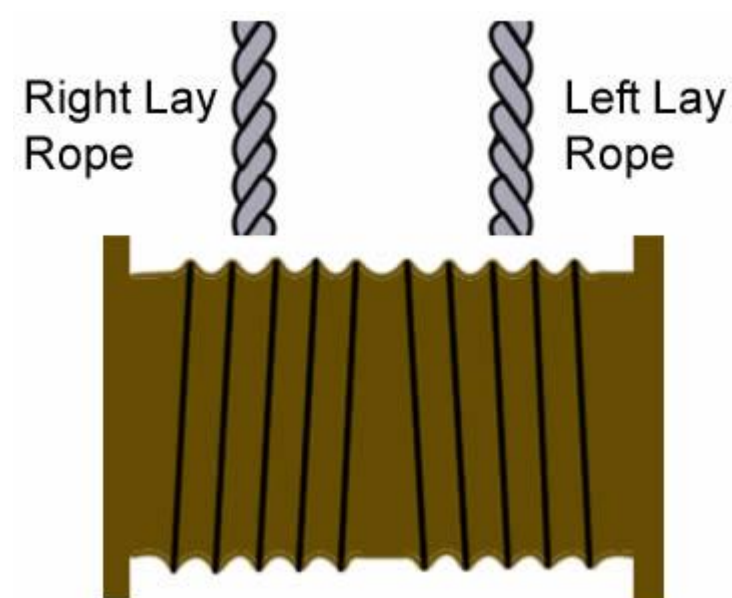
Overwind - right to left

The right hand normally are used to determining right-lay wire ropes and the left hand for left lay wire ropes when standing toward the drum. The clenched fingers represent the drum and the extended finger stands for the oncoming rope.

Many crane models also have two sided grooved drums for winding wire ropes as shown in the picture.

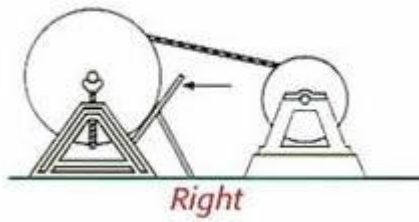


Tow side grooved drums-1

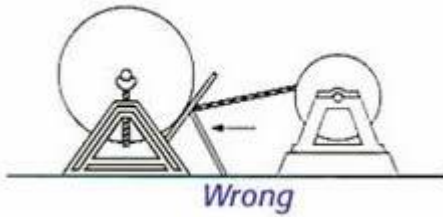


Tow side grooved drums-2

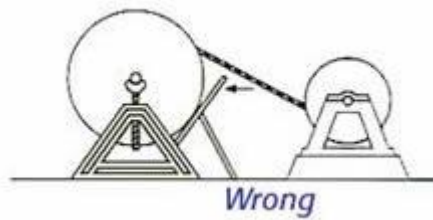
When re-reeling steel wire ropes from horizontally supported reel to another drum, make sure that the rope is traveling from the top of the reel to the top of the drum or bottom to bottom to avoid a reverse bend. Look at the following picture about the right and wrong method of re-reeling:



Right method of re-reeling wire ropes



Wrong method of re-reeling wire ropes



Wrong method of re-reeling wire ropes

Note:

When re-reeling steel wire ropes, make sure the surface of the drum is clean, smooth and dry to protect wire ropes from damages by foreign particles.

For reels with vertical shafts, re-reeling is also available but you must to ensure the rope is always taut to avoid accumulation of slack.