

## *Handling and Installation Instructions for Bridon American Dyform 34LR Rotation Resistant Crane Ropes*

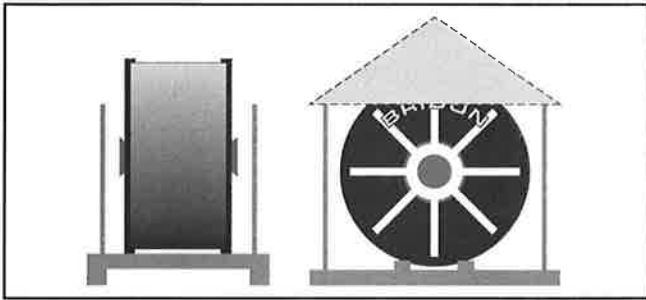


Figure 1

The reel must not be dropped and when lifted it should be lifted on the flanges of the reel. The forks of the fork lift should not contact the rope. If stored outdoors the rope must be covered and not contact the ground. (Figure 1)

As with all ropes, it is important that care is taken so that these High Performance crane ropes are not damaged during handling and installation.

Make sure that the rope received is properly identified, certified and the correct rope for the application.

During installation of the rope the rope must be reeled from the top of the shipping reel to the top in the first sheave or bottom of the reel to bottom of the first sheave.

To prevent rope damage during (Figure 2) installation the area should be clean and free from equipment or implements that could strike or be struck by the rope.

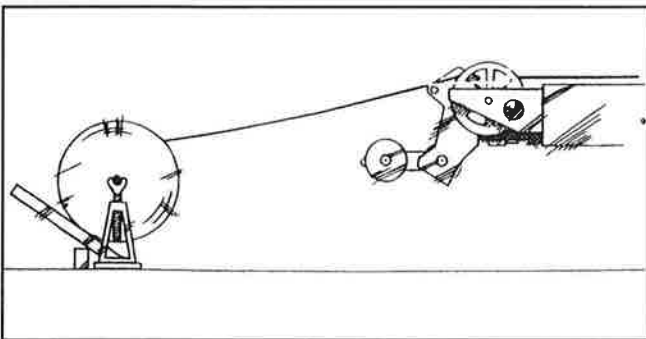


Figure 2

It is important to maintain back tension on the rope during installation. We recommend that a back tension of at least 2% of the Minimum Breaking Force of the rope be applied to the rope during installation. Do **NOT** apply tension to the rope by clamping two boards onto the rope and dragging the rope between the boards. An acceptable method is to apply friction to the flange of the reel. (Figure 3)

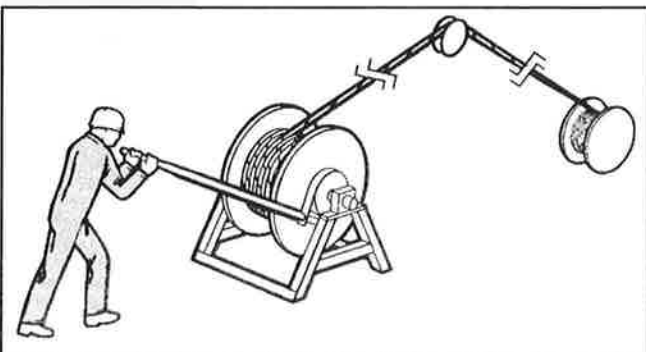


Figure 3

Make sure that the fleet angle between the rope and the first sheave is no more than 2 degrees so that the turn is not induced into the rope by rolling into the groove of the sheave.

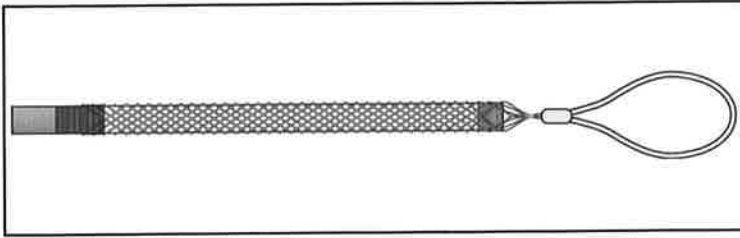


Figure 4

Do not weld the new rope to the old rope to pull into the reeving. A Chinese finger grip or rope sock (Figure 4) is an appropriate method to use. Make sure that seizing or tape is applied to the outside of the sock to prevent it from coming loose. It is important that any torque in the old rope is not transferred to the new rope.

The rope end as supplied is most likely welded or tapered and welded (Figure 5). This is an acceptable method and the weld does not have to be removed when the rope is put into service. If a wedge type socket is used at the dead end the tail must be at least 20 rope diameters in length for all Rotation Resistant ropes (Figure 6). If for some reason the weld has to be cut off its mandatory that the rope be properly seized with at least 3 seizings one rope diameter in length on each side of the cut.

Dyform 34LR ropes can be used with a swivel at the dead end in multiple part reeving systems.

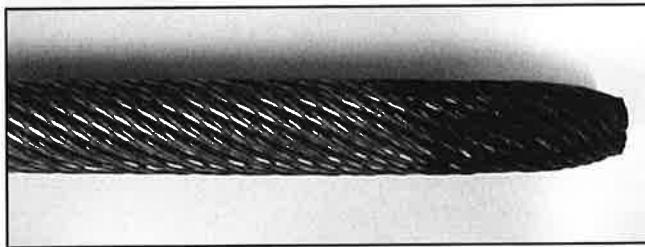


Figure 5

Tapered and welded end

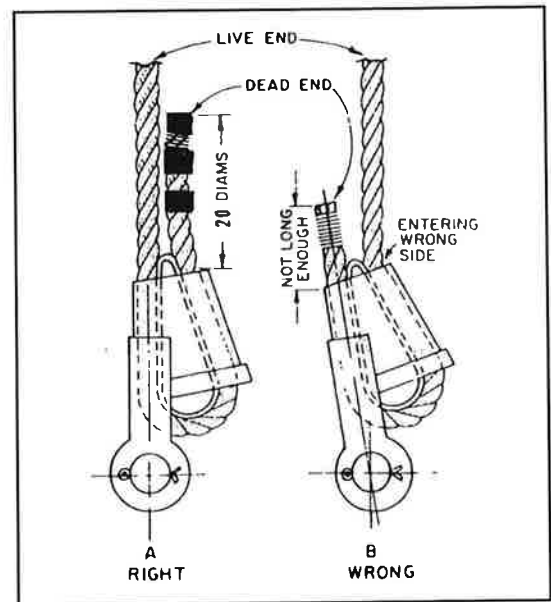


Figure 6

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