

APPLICATION PROCEDURES

ARMOR RODS

INSTALLATION GUIDELINES

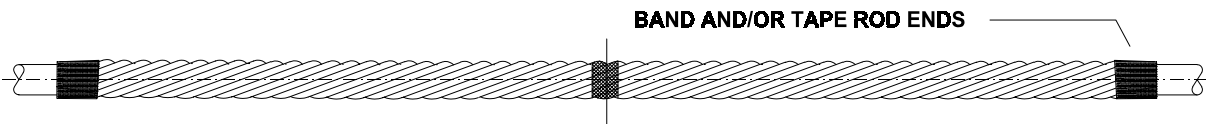
1. Be sure to read and completely understand this procedure before applying this product.
2. PMI helical products are precision formed devices that should be handled carefully. To minimize grit loss (if supplied), distortion, or damage, they should be safely stored until used.
3. PMI Armor Rods are designed for use on cables, wire ropes and hose bundles to provide abrasion and bending protection. For other uses consult PMI Industries, Inc.
4. PMI Armor Rods are generally not recommended for reuse after they have been applied and removed.

SAFETY CONSIDERATIONS

1. For proper performance and personal safety be sure to select the proper size product for your application.
2. This application procedure is not intended to supersede any company safety standards. This procedure is offered only to illustrate safe application for the individual. Failure to follow these procedures may result in personal injury.
3. Leather work gloves and eye protection should be worn when handling and installing this product.
4. When passing this product over a sheave, the sheave diameter needs to be at least 40 times the diameter over the helical rods (cable + applied rods). To prevent the rod ends from lifting off the cable when passing over a sheave, use tape and/or metal bands to serve the rod ends in place.

APPLICATION SEQUENCE

1. Locate the section of cable where the Armor Rods are to be applied.
2. At the center of the designated cable section start one rod (or rod subset) at the center color mark on the Armor Rods. While holding the rod firmly in position, wrap the rod around the cable, first in one direction and then in the other. Avoid winding the cable into the rods as this will make it difficult to fit the remaining rods (or rod subsets) onto the cable. For flexible cable, apply the rods with the cable under some tension. The stiffer the cable the easier it is to apply the rods. Be careful during handling not to permanently bend the Armor Rods.



ARMOR RODS APPLIED WITH COLOR MARKS ALIGNED

3. Apply the remaining Armor Rods in the same manner being sure to align the rods using the center color mark on each rod (or subset). Do not allow Armor Rods to cross-over each other. Rod subsets may be split into single rods for the last 1 or 2 pitch lengths if snapping a rod subset end into place becomes difficult.
4. Make sure all rod ends are snapped into place and are laying on the cable. If necessary, tap rods down with a rubber mallet to help rods lie flat. Tape or bands may be used to serve the rod ends and avoid snags. Application of the Armor Rods is now complete.

TROUBLE-SHOOTING

If application problems or difficulties occur, contact PMI Industries, Inc.