

FRONT OF CARD

## DAILY INSPECTION CRITERIA

### spec<sup>®</sup> DRIVE CABLE AND CONNECTOR



The drive cable and connector are **EXTREMELY** critical to safety. Extra care should be taken during inspection. Defective drive cables or connectors can cause a variety of equipment malfunctions and hazardous conditions. If the drive cable or connector violate any of the inspection criteria, it should be removed from service immediately.

The visual inspection of the connector should be performed with at least a 5x magnifying glass. The inspection should verify that the connector and cable meet the criteria on the back of this card. **Quarterly inspection of connector and drive cable should also be performed by the RSO.**

#### INSPECT BELOW DRIVE CABLE AND CONNECTOR COMPONENTS:



BACK OF CARD

## INSPECTION INSTRUCTIONS



1. Manually inspect the connector swage area by manually attempting to twist the connector to verify that it is firmly attached to the drive cable.
2. Manually inspect the drive cable for flexibility and excessive rust by bending the last 6 inches of the drive cable into a "U" shape approximately 3 inches wide. When the drive cable is released, the end of the drive cable should spring back in its original straight shape. Failure to spring back most of the way (less than 30°) indicates that corrosion or other abnormality has reduced the flexibility of the drive cable. If the cable springs back to essentially a straight configuration, it provides visual evidence that the cable is sufficiently flexible.
3. Visually inspect the drive cable for loose, bent, elongated, kinked, or abnormally deformed wire strands.
4. Visually inspect the connector ball for signs of heavy wear.  
NOTE: Upon quarterly inspection, if connector ball measures less than .134" it should be removed from service and sent to SPEC for further evaluation.
5. Visually inspect the connector neck to ensure that it is not bent or cracked.  
If the connector neck is bent more than 10°, it should be replaced.



scaled illustration:  
connector bent at 10°

**CAUTION: Do not straighten a bent connector neck. Bending can crack or weaken the neck.**