

## INSPECTION OF RIGGING HARDWARE

### INSPECTION FREQUENCY PER ASME B30.26

A VISUAL INSPECTION SHALL BE PERFORMED BY THE USER OR DESIGNATED PERSON EACH DAY BEFORE THE RIGGING HARDWARE IS USED. A PERIODIC INSPECTION SHALL BE PERFORMED BY A DESIGNATED PERSON, AT LEAST ANNUALLY. THE RIGGING HARDWARE SHALL BE EXAMINED AND A DETERMINATION MADE AS TO WHETHER THEY CONSTITUTE A HAZARD. WRITTEN RECORDS ARE NOT REQUIRED. SEMI-PERMANENT AND INACCESSIBLE LOCATIONS WHERE FREQUENT INSPECTIONS ARE NOT FEASIBLE SHALL HAVE PERIODIC INSPECTIONS PERFORMED.

### REJECTION CRITERIA PER ASME B30.26

MISSING OR ILLEGIBLE MANUFACTURER'S NAME OR TRADEMARK AND/OR RATED LOAD IDENTIFICATION (OR SIZE AS REQUIRED)  
 A 10% OR MORE REDUCTION OF THE ORIGINAL DIMENSION  
 BENT, TWISTED, DISTORTED, STRETCHED, ELONGATED, CRACKED OR BROKEN LOAD BEARING COMPONENTS  
 EXCESSIVE NICKS, GOUGES, PITTING AND CORROSION  
 INDICATIONS OF HEAT DAMAGE INCLUDING WELD SPATTER OR ARC STRIKES, EVIDENCE OF UNAUTHORIZED WELDING  
 LOOSE OR MISSING NUTS, BOLTS, COTTER PINS, SNAP RINGS, OR OTHER FASTENERS AND RETAINING DEVICES  
 UNAUTHORIZED REPLACEMENT COMPONENTS OR OTHER VISIBLE CONDITIONS THAT CAUSE DOUBT AS TO THE CONTINUED USE OF THE SLING

#### ADDITIONALLY, INSPECT WIRE ROPE CLIPS FOR:

1. INSUFFICIENT NUMBER OF CLIPS
2. INCORRECT SPACING BETWEEN CLIPS
3. IMPROPERLY TIGHTENED CLIPS
4. INDICATIONS OF DAMAGED WIRE ROPE OR WIRE ROPE SLIPPAGE
5. IMPROPER ASSEMBLY

#### ADDITIONALLY, INSPECT WEDGE SOCKETS FOR:

1. INDICATIONS OF DAMAGED WIRE ROPE OR WIRE ROPE SLIPPAGE
2. IMPROPER ASSEMBLY

### ADDITIONAL REJECTION CRITERIA AND INFORMATION PER ASME B30.10 - HOOKS

- ANY VISIBLY APPARENT BEND OR TWIST FROM THE PLANE OF THE UNBENT HOOK
- ANY DISTORTION CAUSING AN INCREASE IN THROAT OPENING OF 5%, NOT TO EXCEED 1/4"
- MISSING OR ILLEGIBLE RATED LOAD IDENTIFICATION
- MISSING OR ILLEGIBLE HOOK MANUFACTURER'S IDENTIFICATION OR SECONDARY MFG. IDENTIFICATION
- HOOKS SHALL NOT BE RETURNED TO SERVICE UNTIL APPROVED BY A QUALIFIED PERSON
- HOOKS REQUIRE A WRITTEN RECORD OF THE PERIODIC INSPECTION, MINIMUM OF ONCE PER YEAR

## INSPECTION OF SLINGS

### INSPECTION FREQUENCY PER ASME B30.9

A VISUAL INSPECTION FOR DAMAGE SHALL BE PERFORMED BY A DESIGNATED PERSON EACH DAY OR SHIFT THE SLING IS USED. A COMPLETE INSPECTION FOR DAMAGE SHALL BE PERFORMED PERIODICALLY BY A DESIGNATED PERSON, AT LEAST ANNUALLY.

### REJECTION CRITERIA PER ASME B30.9

MISSING OR ILLEGIBLE SLING IDENTIFICATION; EVIDENCE OF HEAT DAMAGE; SLINGS THAT ARE KNOTTED; FITTINGS THAT ARE PITTED, CORRODED, CRACKED, BENT, TWISTED, GOUGED, OR BROKEN; OTHER CONDITIONS, INCLUDING VISIBLE DAMAGE, THAT CAUSE DOUBT AS TO THE CONTINUED USE OF THE SLING.

#### WIRE ROPE SLINGS

EXCESSIVE BROKEN WIRES, FOR STRAND-LAID AND SINGLE PART SLINGS, TEN RANDOMLY DISTRIBUTED BROKEN WIRES IN ONE ROPE LAY OR FIVE BROKEN WIRES IN ONE STRAND IN ONE ROPE LAY  
 SEVERE LOCALIZED ABRASION OR SCRAPING, KINKING, CRUSHING, BIRDCAGING  
 ANY OTHER DAMAGE RESULTING IN DAMAGE TO THE ROPE STRUCTURE  
 SEVERE CORROSION OF THE ROPE OR END ATTACHMENTS  
 DOCUMENTATION THAT THE MOST RECENT PERIODIC INSPECTION WAS PERFORMED SHALL BE MAINTAINED  
 INSPECTION RECORDS OF INDIVIDUAL SLINGS ARE NOT REQUIRED

#### CHAIN SLINGS

CRACKS OR BREAKS  
 EXCESSIVE WEAR, NICKS OR GOUGES  
 STRETCHED CHAIN LINKS OR COMPONENTS  
 BENT, TWISTED OR DEFORMED CHAIN LINKS OR COMPONENTS  
 EXCESSIVE PITTING OR CORROSION  
 LACK OF ABILITY OF CHAIN OR COMPONENTS TO HINGE FREELY  
 WELD SPATTER  
 A WRITTEN RECORD OF THE INITIAL INSPECTION REFERENCING INDIVIDUAL SLING IDENTIFICATION IS REQUIRED  
 A WRITTEN RECORD OF THE MOST RECENT PERIODIC INSPECTION SHALL BE MAINTAINED AND SHALL INCLUDE THE CONDITION OF THE SLING

#### WEB SLINGS

ACID OR CAUSTIC BURNS  
 MELTING OR CHARRING OF ANY PART OF THE SLING  
 HOLES, TEARS, CUTS OR SNAGS  
 BROKEN OR WORN STITCHING IN LOAD BEARING SPLICES  
 EXCESSIVE ABRASIVE WEAR DISCOLORATION AND BRITTLE  
 OR STIFF AREAS ON ANY PART OF THE SLING, WHICH  
 MAY MEAN CHEMICAL OR ULTRAVIOLET / SUNLIGHT DAMAGE  
 DOCUMENTATION THAT THE MOST RECENT PERIODIC INSPECTION WAS PERFORMED SHALL BE MAINTAINED

#### ROUND SLINGS

ACID OR CAUSTIC BURNS  
 EVIDENCE OF HEAT DAMAGE  
 HOLES, TEARS, CUTS, ABRASIVE WEAR OR SNAGS THAT EXPOSE THE CORE YARNS  
 BROKEN OR DAMAGED CORE YARNS  
 WELD SPATTER THAT EXPOSES CORE YARNS  
 DISCOLORATION AND BRITTLE OR STIFF AREAS ON ANY PART OF THE SLINGS, WHICH MAY MEAN CHEMICAL OR OTHER DAMAGE  
 DOCUMENTATION THAT THE MOST RECENT PERIODIC INSPECTION WAS PERFORMED SHALL BE MAINTAINED