

# **Wire Rope Inspection**

It is important to inspect your wire slings after purchase.

### Types of inspection

- A. **Initial Inspection** Before any new or repaired wire rope sling is placed in service, it shall be inspected by a designated competent person to ensure that the correct web sling is being used, as well as to determine that the web sling meets the applicable requirements.
- B. **Frequent Inspection** This inspection should be conducted by the person handling the sling each time the sling is used.
- C. **Periodic Inspection** This inspection shall be conducted by the designated staff. Frequency of inspection should be based on frequency of web sling use, severity of service conditions and experience gained on the service life of web slings used in similar applications. Inspections should be conducted at least annually.

### Remove the sling from service if any of the following is visible:

- If sling rated capacity or sling material identification is missing or not legible
- Ten 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, or any other damage resulting in damage to the rope structure
- Evidence of heat damage
- Severe corrosion of the rope
- Excessive pitting, or corrosion, or cracked, or distorted, or broken fittings
- ✓ Any other visible damage that causes doubt as to the strength of the sling



## **Inspection Records**

Written inspection records, utilizing the identification for each sling as established by the user, should be kept on file for all wire rope slings. These records should show a description of the sling and its condition on each periodic inspection.

#### **Repair of Wire Rope Slings**

There shall be no repairs done to the wire used in a wire rope sling. Repairs shall be restricted to end attachments and fittings, which will be deemed ok by the manufacturer.