Metal Mesh
Sling Requirements

Equipment

1. Durable markings, permanently affixed to it that states the rated capacity for the vertical basket hitch and choker hitch loadings.

2. Handles shall have a rated capacity at least equal to the metal fabric and exhibit no deformation after proof testing.

3. Fabric and handles shall be joined so that: rated capacity of the sling is not reduced, load is evenly distributed across the width of the fabric, sharp edges will not damage the fabric and coatings which diminish the rated capacity of a sling shall not be applied.

Testing

1. New and repaired metal mesh slings, including handles, shall not be used unless proof tested by manufacturer or equivalent entity at a minimum of 1 ½ times their rated capacity.

2. Elastomer impregnated slings shall be proof tested before coating.

Modifications

1. Metal mesh slings that are repaired shall not be used unless repaired by a metal mesh sling manufacturer or an equivalent entity.

2. Once repaired, each sling shall be permanently marked or tagged, or written record maintained to indicate the date and nature of repairs and the person or organization that performed the repairs.

3. Department shall maintain records of repairs and have records available for review.

Removal from Service (if the following exist)

1. Broken weld or broken brazed joint along the sling edge.
2. Reduction in wire diameter of 25 percent due to abrasion or 15 percent due to corrosion.

3. Lack of flexibility due to distortion of the fabric.

4. Distortion of the female handle so the depth of the slot is increased more than 10 percent.

5. Distortion of either handle so that the width of the eye is decreased more than 10 percent.

6. A 15% reduction of the original cross sectional area of metal at any point around the handle eye.

7. Distortion of either handle out of its plane.