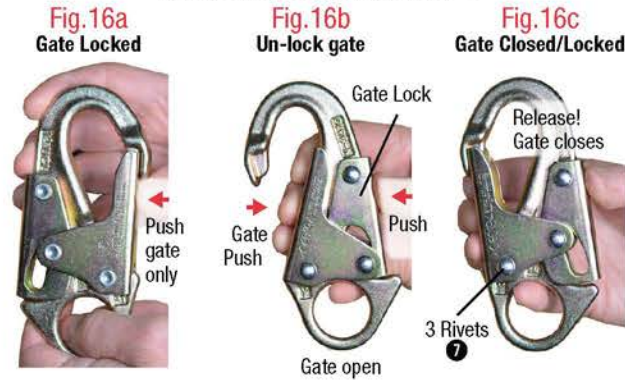


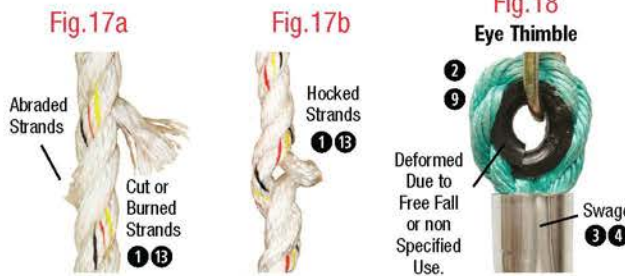
### Daily and Annual Inspections

Perform lifeline inspection, rope grab and snaphook function tests prior to each use and by a qualified or "competent" person at least once a year. A record of inspections and removal of lifelines from service should be maintained for each lifeline. The following inspection points are common conditions that occur as a result of abuse, poor maintenance or long service life and should be used as an inspection guideline. Employers and safety personnel are responsible for drafting their own fall protection equipment inspection and maintenance program which may include the information contained in this manual.

#### Snaphook Class 1 Connector 7



#### Lifeline Inspection



#### Lifeline Knots



#### Incompatible Connections

Warning! DO NOT make incompatible connectors as shown in Figs. 20. They may result in failure of the lifeline to sustain a free fall.



Fig. 20b DO NOT Connect Snaphooks Together



Fig. 20c DO NOT Tie Lifelines Together



Fig. 20d DO NOT Tie a Lifeline to a Anchorage Point Attach Lifeline A-end w/class 1 connector only.



Table 1. Snaphook Function Tests

Fig.	Test Type	Function	Pass <input checked="" type="checkbox"/>	Fail <input checked="" type="checkbox"/>
16a	Gate-lock	Push against gate only	Won't open	Opens
16b	Gate-open	Push gate-lock and gate	Opens	Won't open
16c	Gate-close	Release gate and gate-lock at same time	Snaps shut	Won't close and lock

**Remove equipment from service if any of the following conditions are present:**

= Remove From Service.  = Make Changes as Noted.

#### Primary Inspection Points

- Lifeline subjected to a free fall or unspecified use.
- Fails inspection/function tests.
- Has not been inspected annually.
- Perform annual inspection and return to service.
- Expired service life see Table 2.

#### Lifeline

- Strands are cut, hocked or have heat damage.  Figs. 17a, 17b.
- Eye thimble is deformed or missing.  Fig. 18.
- Swage cracked or loose.  Figs. 9, 18.
- PID/Inspection label missing.  Figs. 1, 2, 3, 4.
- Limiter knot missing. Tie limiter knot below rope grab position.  Fig. 19a.
- Knots tied above rope grab. Remove knot.  Fig. 19b.

#### Snaphook Table 1

- Fails function test or inspection. Missing rivets.  Figs. 16a, b, c.

#### Super Grab

- Hand grab is cracked. Missing screws.  Figs. 5, 14.

#### Value Grab

- Eye thimble is deformed or missing.  Figs. 15, 18.
- Swage cracked or loose.  Figs. 9, 15.
- Swage clear cover missing.  Figs. 9, 18. OK to use.

#### SuperGrab/ValueGrab

- PID/inspection labels missing.  Figs. 14, 15.
- Rope grab stands cut or hocked.  Figs. 17a, b.
- Less than 6 rope wraps.  Figs. 14, 15. Add additional wraps as needed.
- Fails locking test.  Figs. 14, 15.

#### Fall Arrestor/Integral Adjuster

- Fails inspection/lock tests.  Figs. 10a, b, c. 11a, b. 13a, b.
- Connector ring bent or deformed.  Figs. 11a, 13a.
- Arrow not pointing to lifeline A-end.  Figs. 10b, 13a. Remove and orient in correct position.

#### Zinc Plating Corrosion

Minor surface corrosion does not require to remove from service. Salt air accelerates corrosion and can be reduced by rinsing with fresh water after use. Remove from service if deep pitting or extreme rust is present.

#### Lifeline/Rope Grab Service Life

Deterioration of synthetic rope is difficult to determine by visual inspection. Service life is based on UV exposure and frequency of use.

Table 2. SAS Recommended Service Life

Use	UV Exposure/Service Life Years		
Low		3-5 yrs	2-3 yrs
Moderate	Low	2-4 yrs	High 1-3 yrs
Daily		1-3 yrs	1-2 yrs