

FALL ARRESTOR®

SUPER GRAB™ Patent Pending

NON-MECHANICAL, BIDIRECTIONAL, LOCKING GRAB DEVICE

TYPE 3 FALL ARRESTOR COMPONENT

SUPER ANCHOR SAFETY - Part #4015 replaces Part #4006

INSTRUCTION / SPECIFICATION MANUAL

USER COMPLIANCE

The Super Grab is designed to be used on the 5/8" 12 strand Fall Arrestor Lifeline as a replacement part for Part# 4006 the "Grab Knot", shown in Fig. 1a, or to replace a damaged Super Grab Part# 4015.

Super Grab is a fall arrestor, deceleration device that when attached to the lifeline, provides the means to connect a shock absorber or lanyard to a full body harness and when activated, arrests a fall. See Fig. 2.

TRAINING AND INSTRUCTION:

The contents of this manual address only the "Fall Arrestor / Super Grab" system and do not represent the entire training that a user may need in order to use fall protection equipment safely. If you do not understand how to use this equipment, you must receive instruction from someone who is competent or qualified to teach you. See training requirements in OSHA 1926;503.

COMPONENT COMPATIBILITY:

The equipment addressed by this manual is compatible with other equipment Mfg. by SUPER ANCHOR SAFETY, provided all instruction and compatibility charts for additional components are followed.

COMPONENTS BY OTHER EQUIPMENT MANUFACTURERS:

The purchaser or user must ensure component compatibility with the Fall Arrestor system when using equipment manufactured by others. Unforeseen hazards created by improper connections or incompatible equipment could result in death or injury.

COMPLIANCE AND TESTING:

The Fall Arrestor® Lifeline / Super Grab comply with OSHA standards for Personal Fall Protection equipment and "Non-mandatory" guidelines in Sub-Part M, appendix B. ANSI certification is not required by OSHA for use in the United States. It is the responsibility of the user to ensure that the compliance and testing noted in this manual are acceptable under the industrial safety standards in your area. Certification is ongoing. Additional certification not shown here will be noted in future revisions of this manual, and may be available by calling our office.

THE FOLLOWING INSTRUCTIONS APPLY ONLY TO THE USE OF THE SUPER GRAB WHEN USED ON THE FALL ARRESTOR® LIFELINE/ROPE GRAB SYSTEM.

SPECIFICATION OF USE:

When subjected to a free fall of no more than 6 ft., having a maximum weight of 300 lbs. (combined wt. of a single worker and tools or equipment), the Super Grab will decelerate no more than 12" before arresting a fall.

DESCRIPTION OF COMPONENTS:

Super Grab utilizes the Triple Sliding Hitch, or Prussic knot principle of grabbing the lifeline when a force is exerted on the eye thimble end of the cover in any direction. The red ABS plastic cover houses the grab rope and is cosmetic only and should not be removed. The grab rope is wrapped around the lifeline and forms a continuous loop that is swaged using an aluminum oval contained inside the cover. Made from 7/16" Polyester / Nylon material, the loop exceeds 7300 lbs. average tensile strength.

COVER:

The plastic cover is designed to crack, break in half, or deform when subjected to a fall impact allowing easy visual inspection before each use, which requires removal from service. Improper storage, non-specified use, or stepping on the cover may also result in damage.

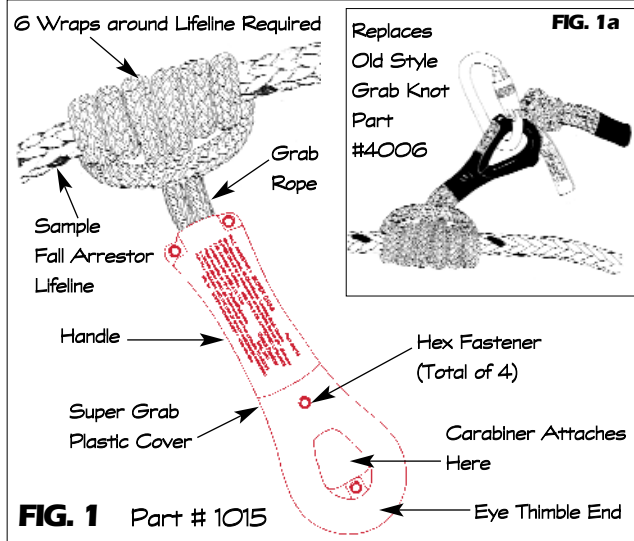


FIG. 1 Part # 1015

ADDITIONAL INSTRUCTION

Spanish Language Manuals:

Lifeline Manual - Rev. 2001
Super Grab Manual - 2001
2x8 Anchor Manual
Universal Anchor Manual
ARS 3-K Anchor Manual

Availability:

Phone Mfg. Office
(425) 488-8868
Download off Website
www.superanchor.com

Compliance:

OSHA 1926.502 (d)(16)(iv)
CAL-OSHA CSO 1670(m)

Test Standards:

Subpart M - Appendix B (I)(b)(c)(d)(e)
ANSI A10.14.91

GRAB ROPE:

The grab knot rope must have 6 wraps around the lifeline as shown in Fig. 1. Do not untie the grab knot or use if there are less than 6 wraps. As a safety feature, the cover's length dimension will prevent the grab rope wraps from unintentional disengagement. In the event the grab rope is cut, abraded, or damaged in any way, do not use.

CONNECTING HARDWARE:

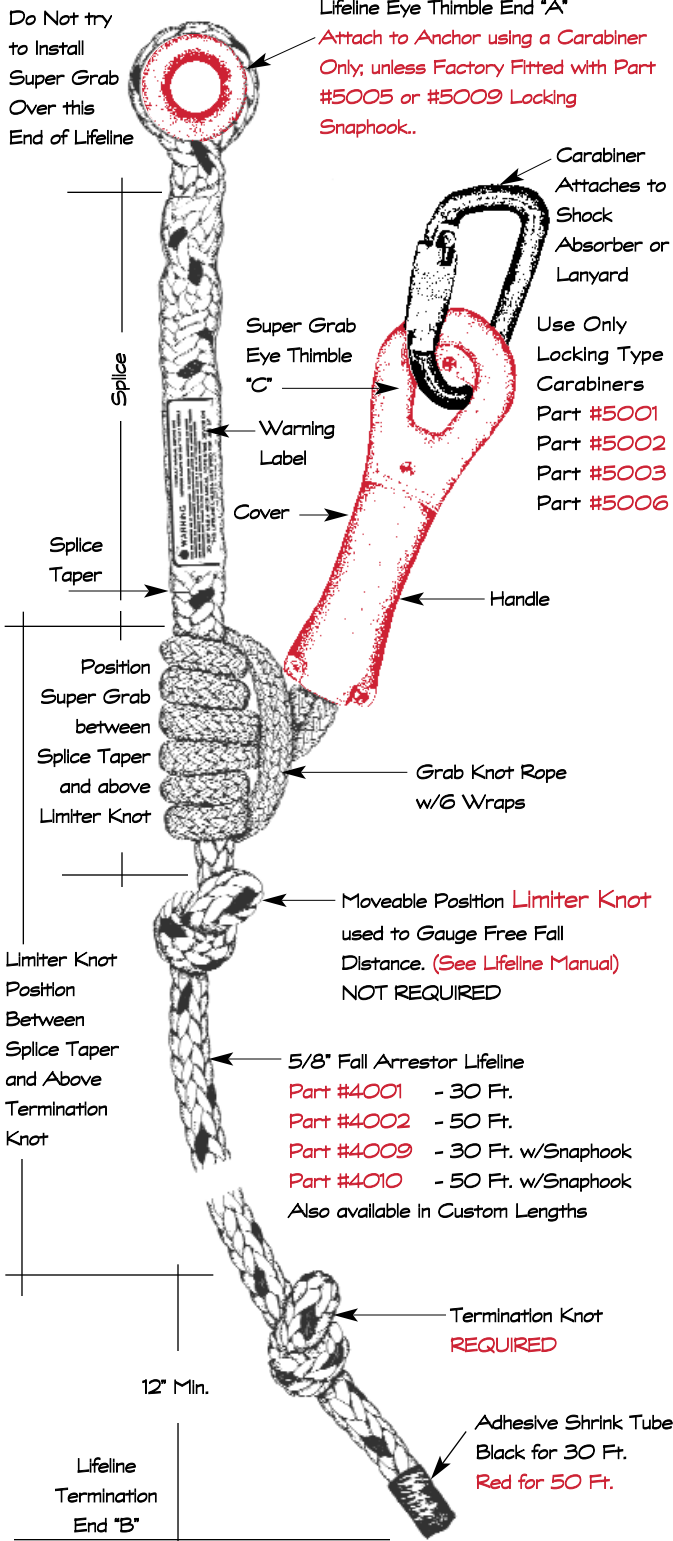
The eye thimble end of the cover is sized to accept ONLY A LOCKING TYPE CARABINER as supplied by SUPER ANCHOR SAFETY.

Type	Model Number	Strength Rating
Auto-Lock Steel	5001	8990 lbs.
Threadlock Steel	5002	8990 lbs.
Threadlock Aluminum	5003	5395 lbs.
Auto-Lock Aluminum	5006	6744 lbs.

Use only a carabiner to attach the Super Grab to a web loop end of a shock absorber or a connecting lanyard.

DO NOT ATTACH THE SUPER GRAB DIRECTLY TO A BODY HARNESS AND DO NOT CONNECT A CARABINER TO ANOTHER CARABINER OR SNAPHOOK. NEVER ATTACH A SNAPHOOK TO THE SUPER GRAB. See Fig. 3a. DO NOT ATTACH A CONNECTOR TO ANY PORTION OF THE GRAB ROPE.

Fig. 2 Fall Arrestor Lifeline w/Super Grab



CARABINERS MANUFACTURED BY OTHERS:

For carabiners not specified in this manual, component compatibility must be ensured by the user.
DO NOT USE NON-LOCKING TYPE CARABINERS OR CARABINERS THAT HAVE A GATE OPENING THAT DOES NOT ALLOW EASY ATTACHMENT TO THE EYE THIMBLE.
DO NOT FORCE A CARABINER OVER THE EYE THIMBLE.

ATTACHING SUPER GRAB REPLACEMENT PART #4015:

If the Super Grab is damaged as a result of abuse and the lifeline has not been subjected to a fall or other extreme force, the Super Grab component may be replaced. The grab rope is pre-wrapped around a small section of the 5/8" diameter "Fall Arrestor" lifeline. Do not remove the sample rope until the receiver lifeline is prepared, and do not attempt to re-wrap the grab rope if it comes undone.

PREPARING THE LIFELINE:

Remove the existing grab knot by undoing the "Limiter and Termination" knots. See Fig. 2. Slide the grab knot off the termination end "B". Install the replacement "Super Grab" by inserting the lifeline termination end through the 6 wraps, displacing the sample piece of rope. Re-tie the "Termination and Limiter" knots on the lifeline with the Super Grab positioned between the splice taper and the limiter knot. See Fig. 2.

The grab rope should fit snugly around the lifeline and should lock on the lifeline rope when a force is exerted on the thimble end "C" of the Super Grab. Be sure to check for proper function before use. DO NOT INSTALL OVER EYE THIMBLE END, OR ON SPLICE TAPER. USE ONLY ONE SUPER GRAB PER LIFELINE AND DO NOT INSTALL ON LINES THAT ARE NOT CERTIFIED FOR USE WITH THE SUPER GRAB.

LIFELINE INSPECTION:

Be sure the lifeline passes the inspection and aging requirements set forth in the "FALL ARRESTOR" lifeline manual.
DO NOT INSTALL A REPLACEMENT SUPER GRAB ONTO A LIFELINE THAT DOES NOT PASS INSPECTION, IS OUT OF SERVICE, OR HAS BEEN SUBJECTED TO A FALL OR OTHER FORCE, OR IS NOT APPROVED FOR USE BY SUPER ANCHOR SAFETY.

WHEN A FALL OCCURS:

In the event the Super Grab is subjected to a fall impact, it must be removed from service and disposed of in a way that prevents it from being used again. **WARNING: IN THE EVENT OF A FALL, DO NOT GRAB HOLD OF THE GRAB KNOT. THIS MAY RESULT IN A FAILURE TO LOCK ONTO THE LINE.**

INSPECTION:

Inspect the Super Grab before each use. Look for signs of cracking, deformation of the eye thimble end, missing attachment screws, or damage to the grab rope portion; such as cut or abraded strands.

LIMITATION OF USE:

Use only for personal fall protection. Super Grab is not intended for recreational use, hoisting, towing, or securing loads.
DO NOT USE FOR VERTICAL OVERHEAD LINE IN CALIFORNIA. USE AS VERTICAL OVERHEAD LINE IN OTHER STATES ONLY WHEN USED WITH LIMITER KNOT. (See Lifeline Manual revised 2001)

HORIZONTAL USE:

USE ONLY WHEN A SYSTEM IS DESIGNED BY A QUALIFIED PERSON.

TERMINATION AND LIMITER KNOTS:

The termination knot is required to be tied 12" from the termination end of the lifeline to prevent the Super Grab from accidentally sliding off the lifeline end "B" or in the event of a fall. See Fig. 2. The moveable position "Limiter Knot" is used to gauge the free fall distance based on the anchor points and fall hazard exposures. Consult the "FALL ARRESTOR" lifeline manual for additional information.

WARNING REGARDING SYNTHETIC MATERIALS:

The grab rope and plastic cover should be kept away from heat and chemicals that may damage or weaken the component.

Fig. 3

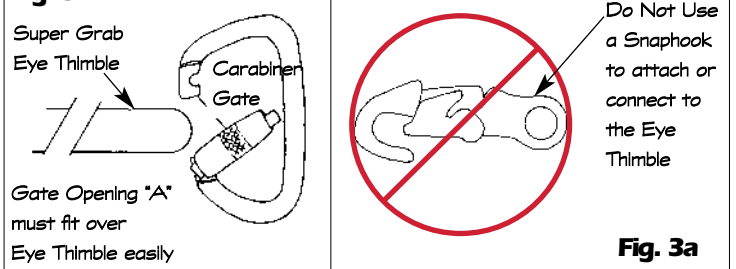


Fig. 3a