

SuperGrab(SG)/Value Grab(VG)

A non-mechanical Δ Prussic type rope grab that locks onto a secured lifeline when a force is applied to the connector end as shown at Figs.5.0-5.1. Bi-directional locking function does not require the rope grab to be direction oriented during use. Rope grabs will hold their position on the lifeline and are easily adjusted by manually moving the knot wraps as shown at Fig.5.2. Specified for fall arrest and ideal for work positioning or fall restraint. Rope Grabs are captive to the lifeline and not designed to be removed. If removal is required follow replacement instructions supplied by SAS. A rigging example is shown on page 1. **Terminations:** 4015/V are terminated with aluminum swages. **Lifelines:** No.4015/V are certified for use with all SAS lifelines. Do not substitute with other lifelines unless engineered by a qualified person.

No. 4015 SuperGrab™

The best all around rope grab for durability, handling and performance. Shown at Fig.5.0, the SG is mfg. with blue colored cordage and fitted with a patented ergonomic PVC cover handle. The cover is designed as a fall indicator that will fracture when subjected to a free fall. Compatible with SAS supplied snaphooks and carabiners as shown at Figs.5.4-5.5.

No. 4015-V ValueGrab™

Shown at Fig.5.1, the VG are mfg. with natural color cordage and fitted with a factory attached snaphook. The VG function is the same as the SG but does not have a fall indicator cover.

Adjusting Rope Grab Position

Adjust position by holding the wraps with one hand and applying force to the lifeline as shown at Fig.5.2. New rope grabs will move position easily but require more force as they age. If the wraps are loosened for removal or adjustment they must be re-tightened before use.



Compatible Connections

Attach an RG or VG to an energy absorber, rope or web lanyard with SAS supplied compatible connectors shown at Figs. 5.3,5.4, and 5.5. When using connectors by other mfg. a competent person must ensure compatibility. Non-compatible connectors may bind causing the cover to fracture during normal use.

Fig.5.3 ValueGrab

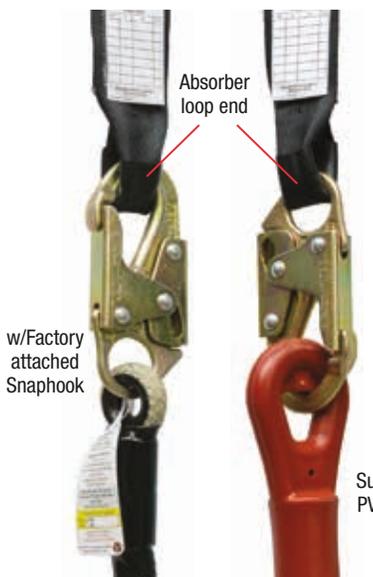


Fig.5.4 SuperGrab

Absorber w/factory attached snaphook

Fig.5.5 SuperGrab

w/Aluminum carabiner



Table 5.0 Rope Grab Performance Specifications

Model/Name	Fig.	Type	Locking	▲	Tensile Strength
4015 SuperGrab	5.0	Prussic Captive	2 Direction	12"(300mm)	7,400lb(34kN)
4015-V ValueGrab	5.1	Non-mechanical			

Maximum degree of slope= Vertical. Minimum degree of slope=Horizontal.

▲Deceleration is the distance required for a rope grab to arrest a 6ft(1.8m) using an energy absorber specified for the users wt. See page 2.

Compliance: Prussic rope grabs fall outside the scope of ANSI/CSA industrial standards.

Compliance Letters: US Dept. Labor, CAL-OSHA, WISHA.

Certification:

1) Certified by a member of l'Ordre des ingénieurs du Québec

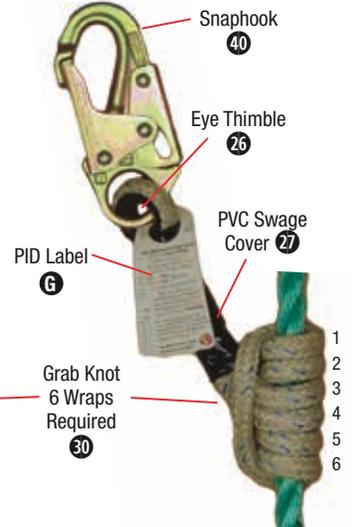
2) 3rd party USA certified lab tests.

Δ Also described as a "Triple Sliding Hitch Knot"

Fig.5.0 No. 4015 SuperGrab™



Fig.5.1 No. 4015-V ValeGrab™



Inspection/Function Tests

Prior to daily use, rope grabs are required to pass inspection and function tests specified at Fig.5.6. Remove from service if any inspection or tests fail.

- Confirm that all 6 wraps are in place.
- No evidence of cut, abraded or damaged cordage. See Fig.5.7.
- SG 4015: Inspect cover for fractures, deformation or missing cover screws.
- VG eye thimble is not missing.

Fig.5.6

Test locking function in both directions. Hold Lifeline "B" end and pull rope-grab in opposite direction. Repeat test holding Lifeline "A" end.



Fig.5.7

Cordage Inspection

Cut, abraded or pulled strands.



Storage/Maintenance

Do not store outdoors or in a confined space if moisture is present. Always store in a dry place by hanging. UV and prolonged water saturation will cause the rope fibers to deteriorate.

Replacement Rope Grabs

May be ordered from SAS. When removed from service dispose of in a way that prevents further use.