

Lifelines Compatibility w/Rope Grabs + Rigging

Lifeline Components: All lifeline systems require an energy absorber and rope grab

for attachment to an FBH. The lifeline systems shown here are examples of rigging that are supplied by SAS but do not represent all possible component combinations. A-end and B-end used here are for reference purposes only. **WARNING! Do not rig lifeline systems without an energy absorber component.**

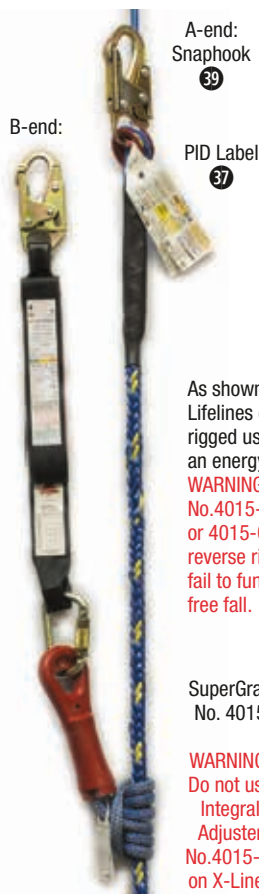
Standard Rigging: The lifeline "A" end is attached to an anchorage point and the "B" end energy absorber or web lanyard are attached to an FBH D-ring. Worker position adjustments are made at the rope grab.

Reverse Rigging: The lifeline "B" end + a SuperGrab or ValueGrab are attached to the anchorage point and the energy absorber is attached to the FBH D-ring. Position adjustments are made at the anchorage end of the lifeline w/the rope grab. **Consult SAS Reverse Rigging Manual before use.**

Standard Rigging



Fig. 6.3
X-Line™ 12-Strand
Pneumatic Airline



Reverse Rigging

Fig. 6.4
Maxima™ Lifeline
3-Strand Copolymer

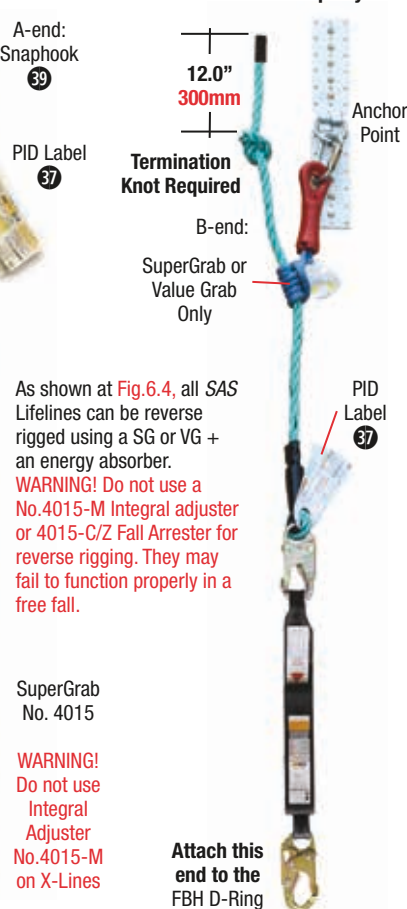


Fig. 6.5
Termination Knot

All Lifeline rigging require a knot to be tied approx 12.0" from the lifeline end to prevent the rope grab from sliding off the end of the lifeline.



Table 6.0 5/8"(16mm) Lifeline Material Specifications

Model	Fig.	Type/Material	Min. Tensile	Elongation @1800lb	Rope Grab Compatible
Maxima™	6.0	3-Strand Copolymer 75%PP+25%PE	10,582lb(48kN)	8.2%	SG-4015
Polysteel™			9,000lb(480kN)	6%	VG-4015-V
Poly-Dac™	6.1	3-Strand Polyester	9,300lb(42kN)	4%	FA-4015-C
SSR-100			10,000lb(45kN)		FA-4015-Z
Duraplex™	6.2	12-Strand Polyester	11,600lb(52kN)		IA-4015-M
X-Line MaxiBraid™	6.3		10,600lb(48kN)		All above Not 4015-M

All lifelines comply with ANSI Z359.1-07 and OSHA 1926 and CSA Z259.11-05 at the time of this publication. Check with SAS for current standards compliance. **PolySteel is not CSA certified at the time of this publication.**

Remove From Service if any of the following conditions are present:

Fig. 6.6

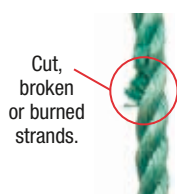


Fig. 6.7



Fig. 6.8



Fig. 6.9



PID Labels are missing

Fig. 6.10



WARNING HAZARD EXPOSURE

Do not contact lifeline or components with:

- Sharp or abrasive edges, cutting tools.
- Electrical sources or power lines.
- Open flame, high heat, hot asphalt.
- Solvents, caulking, paint or stains.

Inspection/Maintenance

Inspect lifelines prior to use each day using guidelines listed in the back of this manual. Remove from service if any inspections fail or if the lifeline is subjected to a free fall. Do not store wet in a confined area. Clean only with mild detergent or compressed air. See table 1.1 for service life.

Note: Lifeline Connector Terminations:

Lifelines may be supplied with the following types of terminations:
3-Strand: Braided or swaged
12 Strand: Buried splice or swaged
Consult SAS Lifeline Manuals for more inspection details.