

# 1 Appendix I – Equipment Attachment Standards

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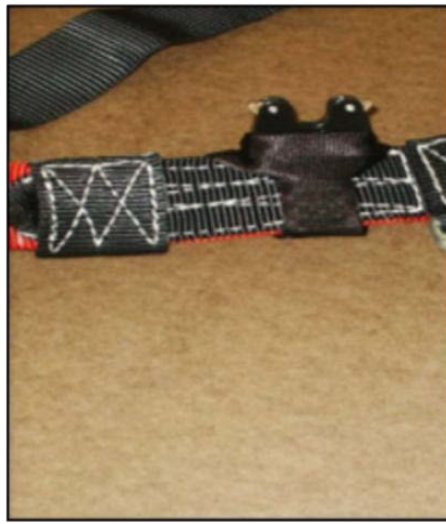
## 2 **Equipment Attachment Methods**

### 3 **Attaching Belly Deployment (BD) Bag Click Lock Buckle Adapter to Rappel Harness**

- 4 1. Position Buckle adaptor in correct position on HR-2 harness (FIGURE I-1).
- 5 2. Route buckle through loop end (FIGURE I-2).
- 6 3. Work buckle/loop around until buckle end points toward inside (FIGURE I-3).
- 7 4. Tacking or other fasteners are not needed to keep the buckle in the correct
- 8 location.



10 **FIGURE I-1**



11 **FIGURE I-2**



12 **FIGURE I-3**

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1 **Attaching Rappel Spotter Tether to Miller Revolution Harness**

- 2 1. Insert free end of tether through adjuster as shown. Pass end of tether through  
3 underside of harness D ring (FIGURE I-4).



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6 **FIGURE I-4**

- 7 2. Pass tether end through harness D ring and back through adjuster,  
8 leaving about 4" of end tab below adjuster (FIGURE I-5).



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11 **FIGURE I-5**

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3. Pass tether end through harness D ring and back through adjuster, leaving about 4" of end tab below adjuster (FIGURE I-6).



**FIGURE I-6**

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4. Fold free end back over bottom bar of adjuster and under top bar of adjuster, leaving about 2' of end tab above adjuster. Using nylon 5-cord and large gauge needle, pass needle down through locking tab and the outer webbing of the adjustment loop, then back up through both webbing layers.



**FIGURE I-7**

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5. Bring doubled ends of nylon 5-cord together and tie square knot in center. Trim ends leaving about 1" tails (FIGURE I-7).



**FIGURE I-8**

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6. Underside of tacking should appear as in photo above (FIGURE I-8). The tether length may be shortened by pulling slack from the underside, or lengthened by sliding the adjuster to the desired length. The tacking does not need to be removed in order to adjust tether length. Spotters and rappellers should inspect tacking when conducting spotter equipment checks.

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**Rappel and Spotter Harness Knife Sheath Installation**

1. The sheath on the left with the single vertical piece of black webbing is designed for the HR-2 harness. The sheath on the right with two horizontal black pieces of webbing is the spotter harness version (FIGURE I-9).



**FIGURE I-9**

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2. Rappeller version of Raptor knife sheath comes with one end of the “belt loop” webbing already attached. It is acceptable to use either a standard industrial type sewing machine or a bar tack sewing machine (FIGURE I-10).



**FIGURE I-10**

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- 1            3.    See rear view of sheath and harness. Place black 1" webbing "belt  
2            loop" over 1 3/4" black harness webbing between leg strap pad and leg  
3            snap attachment webbing. Sew 1" webbing to back side of sheath  
4            even with lanyard bar tack and above top of lanyard stow pouch.  
5            **DO NOT SEW TO HARNESS WEBBING.** When the 1" webbing  
6            is correctly attached, the leg strap pad and leg snap attachment  
7            webbing will keep the sheath in the correct location but will allow  
8            the rappeller to adjust its location for comfort when seated  
9            (FIGURE I-11).



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12            **FIGURE I-11**

- 13            4.    Front view of sheath and harness after attaching 1" webbing "belt  
14            loop". Note finger pointing to bar tack above lanyard stow pouch  
15            (FIGURE I-12).
- 16            5.    Lanyard being "S" folded and stowed in lanyard stow pouch. Note  
17            knife is placed in sheath first to prevent cutting lanyard or harness  
18            (FIGURE I-13).



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21            **FIGURE I-12**



**FIGURE I-13**

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6. When the lanyard is correctly stowed, the only part of the lanyard that should be visible is the end sewn to the knife handle. After closing end flap with dot snaps, knife is ready to use (FIGURE I-14).
  7. Photo showing correct sheath position (FIGURE I-15).



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**FIGURE I-14**



**FIGURE I-15**