

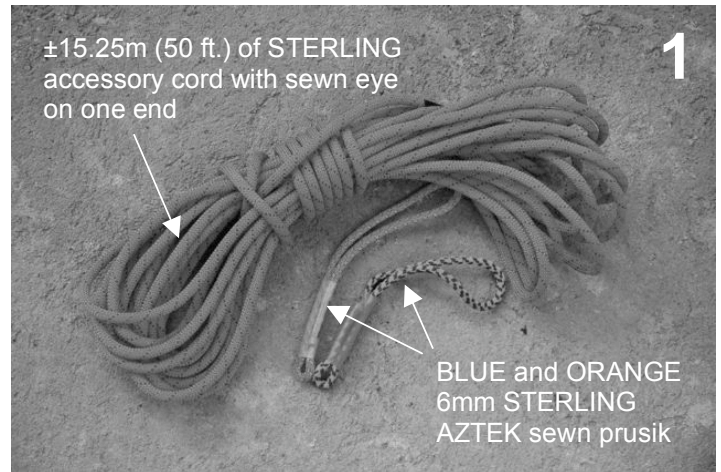
# DIRECTIONS FOR ASSEMBLY OF THE OMNI-AZTEK ELITE® “SET-OF-FOURS” (System End)

Congratulations on your purchase of the Rock Exotica Omni-AZTEK Elite® pulleys! The AZTEK system was developed in Arizona-based Ropes That Rescue Ltd®. rigging programs around the world. These, configured as a “set-of-fours” (double-blocks) as shown in detail in these instructions, will enable the rescue practitioner greater versatility in a personal mechanical advantage (PMA) for rescue and general rigging. These swivel “omni” pulleys (blocks) are hewn from a solid “block” of high strength aluminum and are engineered with great pride to withstand over 8,000# (36kN) of tensile force end to end. STERLING ROPE Company has also designed sewn products for these pulleys including the 8mm restraint cord, rated at 4,270# (19kN) and both ratchets in two colors, and shock absorber/restraint cords. The set of two blocks are different colors for ease of identification. Turn the set-of-fours one way and you have a 5:1 mechanical advantage. Turn it around and a 4:1 w/change of direction is the result, making this PMA extremely versatile. Also, the progress capture ratchet prusik can be attached at either end (orange to orange or blue to blue). The progress capture prusiks are laced onto the restraint cord and then formed into a *directional prusik* hitch (3 on 2) which prevents the inadvertent loss of the prusik once assembled. One quick pin is sold with each set of blocks. Additional ones may be purchased if needed or if one wished to hold a spare in the opposite block. NOTE: These directions are available IN COLOR in pdf form from [www.ropesthatrescue.com/aztek.htm](http://www.ropesthatrescue.com/aztek.htm)

INSPECTION: Blocks should be inspected before and after use to insure that connecting hardware is intact. All software should be inspected for wear and glazing. These should be replaced as this occurs before use. Replacement software is available.

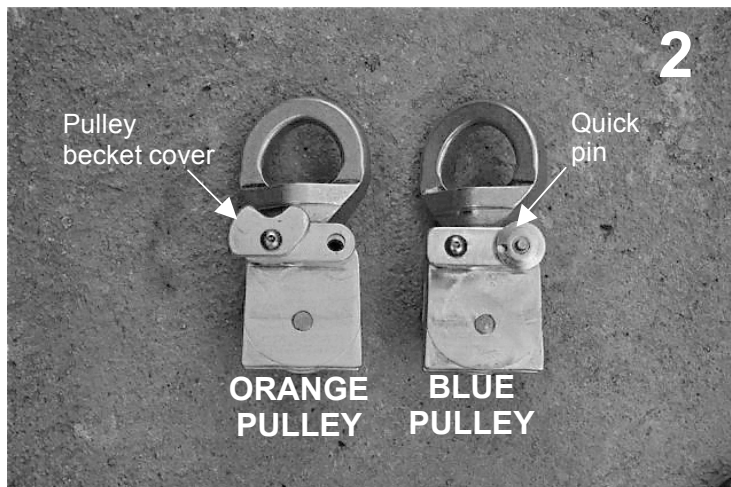
## WARNING:

This equipment is for expert use only. The activities it was designed for are inherently dangerous and carry a significant risk of injury or death that cannot be eliminated. There are many ways to misuse this equipment; any instructions that come with this equipment do NOT tell you everything you need to know. It is the user’s responsibility to obtain proper instruction and to use the equipment safely. Do not use unless you can will assume all risks and responsibilities for all damage/injury/death that may result from use of this equipment or the activities you undertake with it. Any mechanical device is subject to failure; carefully check this equipment before and after each use. You must always have a parallel backup — Never trust a life to a single tool.

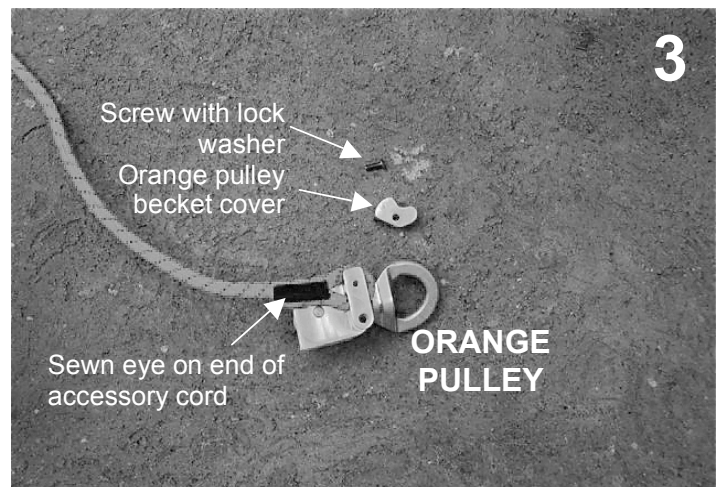


1. To begin the assembly of your Rock Exotica **Omni AZTEK Elite®** “Set-Of-Fours” find a large flat surface to lay the components out. You should have components as follows:

- 1 ea. Rock Exotica Omni AZTEK Elite® blue pulley
- 1 ea. Rock Exotica Omni AZTEK Elite® orange pulley with
- Separate becket cover plate (shown attached to the orange pulley below)
- Quick pin (shown attached to the blue pulley below)
- 1 ea. STERLING 8mm or 9mm AZTEK accessory cord with sewn eye on one end only (recommended length 15.25m or 50 ft.)<sup>1</sup>
- 1 ea. STERLING AZTEK orange ratchet
- 1 ea. STERLING AZTEK blue ratchet



2. Remove pulley becket cover from orange pulley by removing small screw and lock washer (if attached)

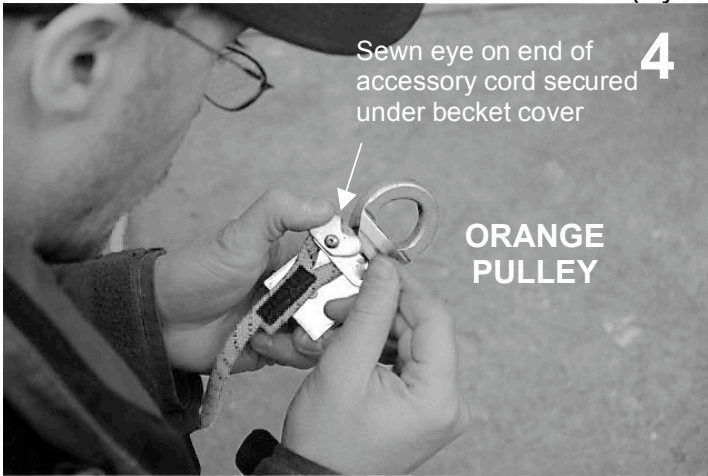


3. Slip end of sewn eye on accessory cord over becket (Note: this may take some force)

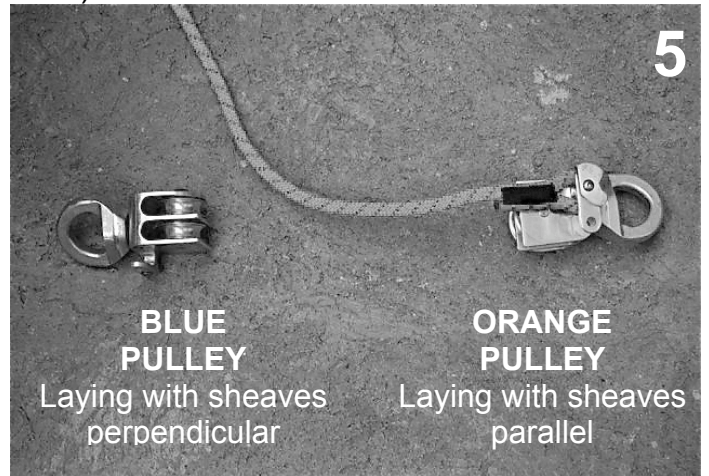
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<sup>1</sup> Personal AZTEK Elite® cords should be one color and the color changed to a different color for kits used in other locations (like at the foot end of the litter)

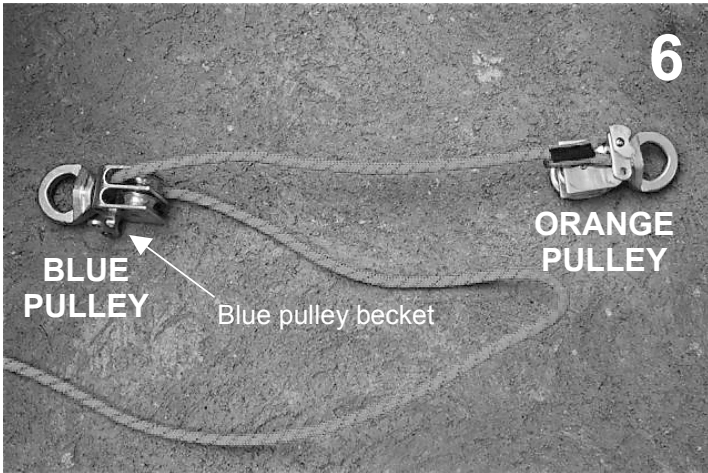
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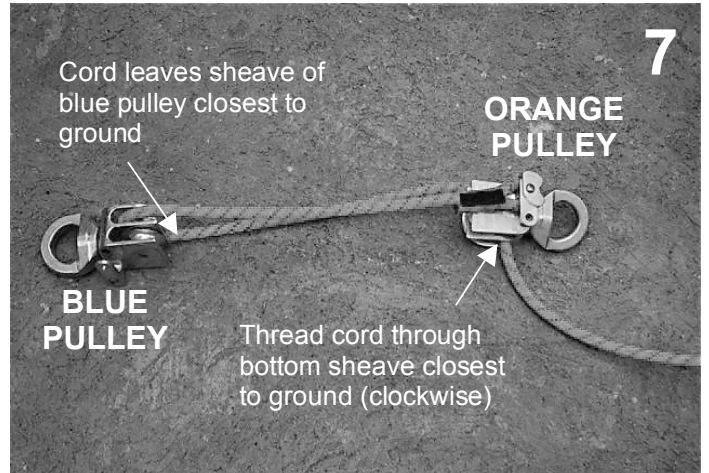
4. Reinstall becket cover plate with screw and lock washer then tighten with screw driver. *Inspect this screw often for tightness. Do not use if this cover plate is loose.*



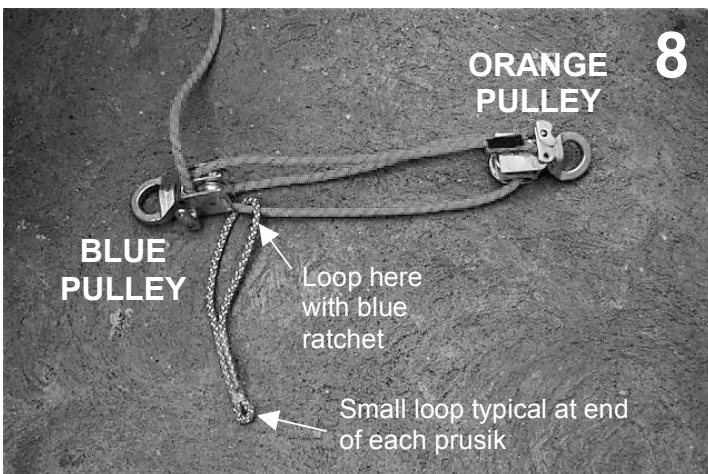
5. Arrange your two Rock Exotica Omni AZTEK Elite® pulleys on the ground as shown. The orange pulley should be laying with the sheaves *parallel* to the ground and the blue sheaves should be *perpendicular*.



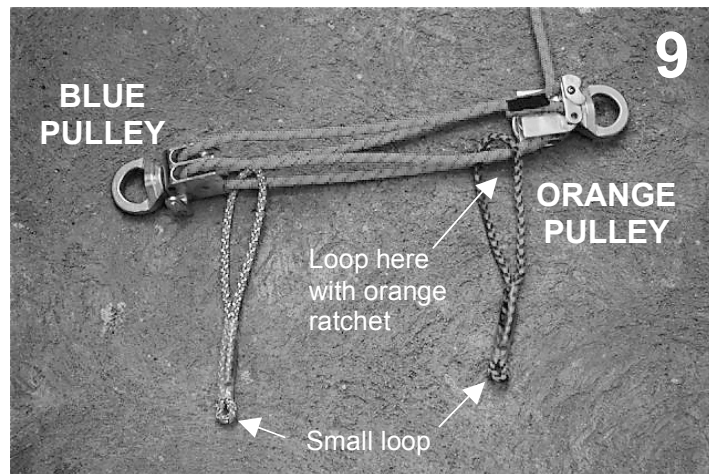
6. Pull balance of accessory cord through blue pulley sheave as shown (top to bottom—blue pulley becket is on opposite side)



7. Reeve orange pulley with cord clockwise as shown. Be careful to reeve exactly as shown in the photos.



8. After threading the bottom sheave on the orange pulley, put loop of blue ratchet onto cord as shown before threading the next sheave on the blue pulley from bottom to top

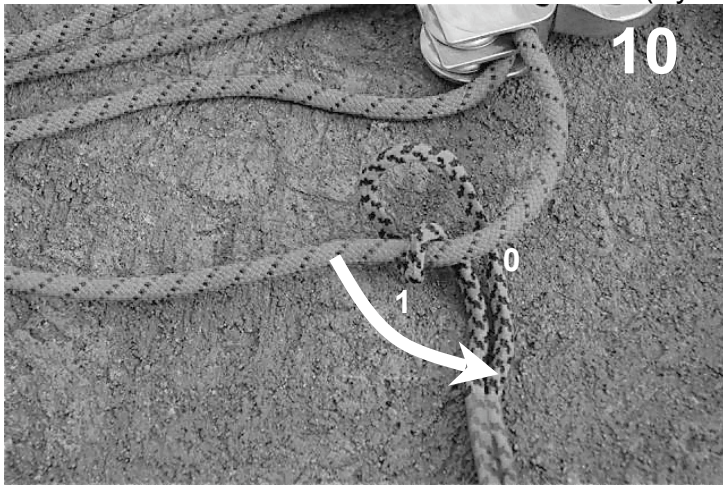


9. After threading the second sheave on the blue pulley, put loop of orange ratchet onto cord as shown before threading the next sheave on the orange pulley as shown (counterclockwise)

**NOTE:** Make certain that the loop formed at the top of each ratchet prusik next to the shrink tubing is just small enough to fit into the quick pin receptacle on either pulley. This may be done by slipping the cord sewn into the loop through the shrink tubing installed at STERLING ROPE

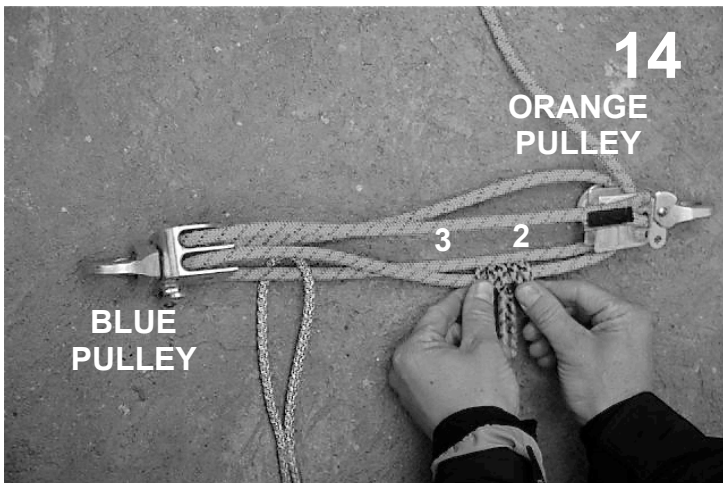
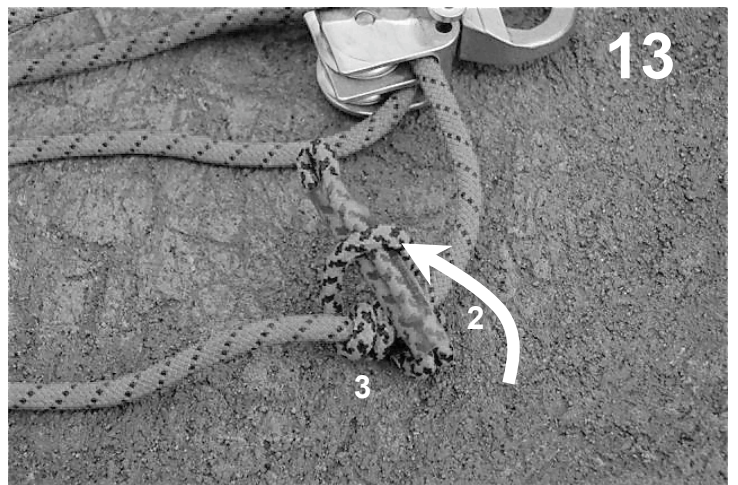
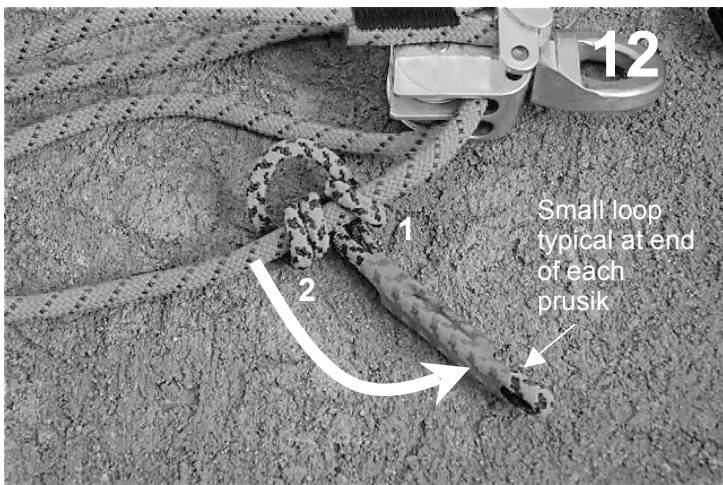
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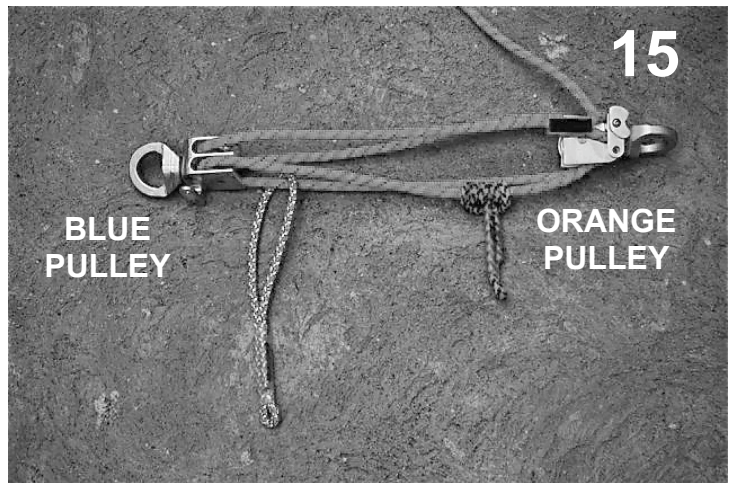


**Wrap as shown in photos 10 through 13**

Make certain that the loop formed at the top of the ratchet prusik next to the shrink tubing is just small enough to fit into the quick pin receptacle on either pulley (See #12). This may be done by slipping the cord sewn into the loop through the shrink tubing installed at STERLING ROPE

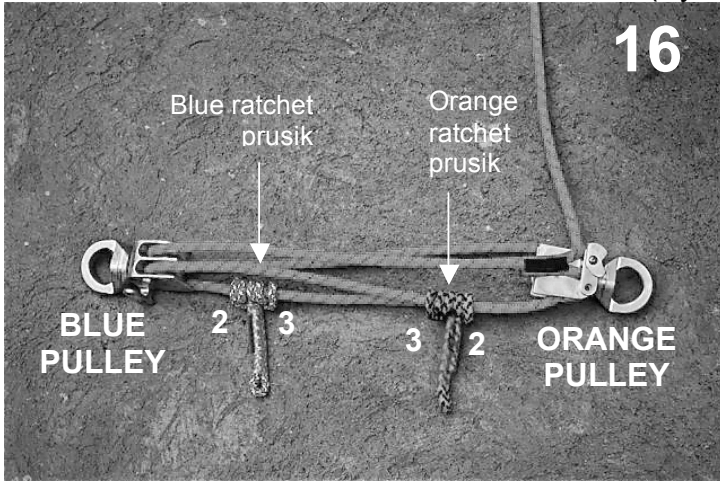


14. Dress the prusik as shown

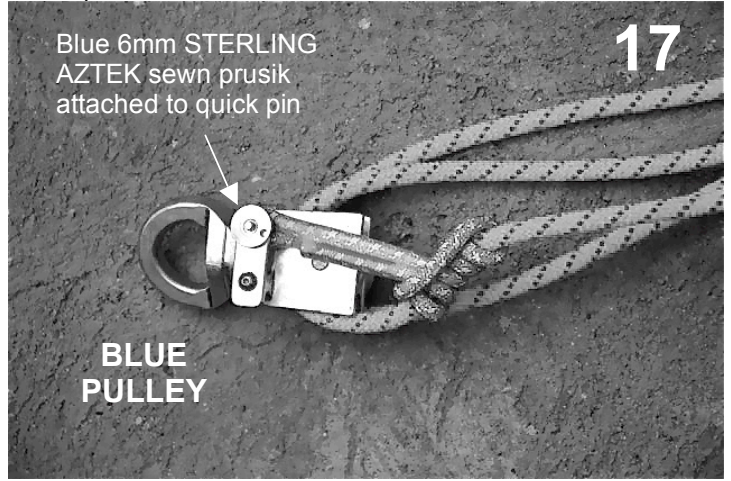


15. Repeat with blue prusik where 2 wrap is closest to blue pulley and 3 wrap is furthest away

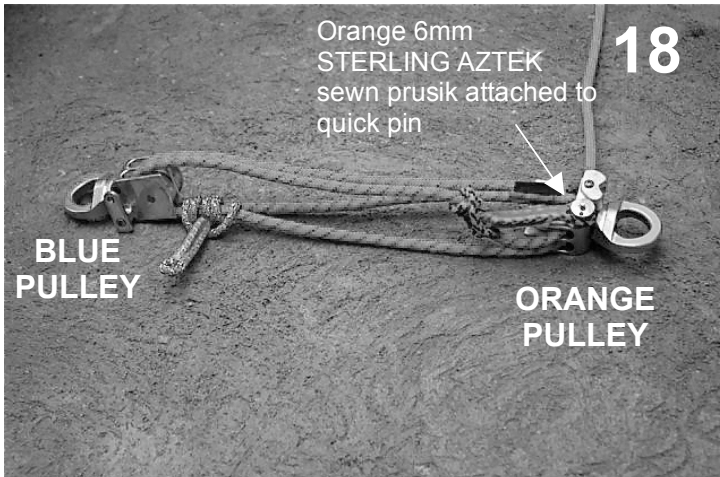
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16. Both ratchets are configured as shown with corresponding wraps



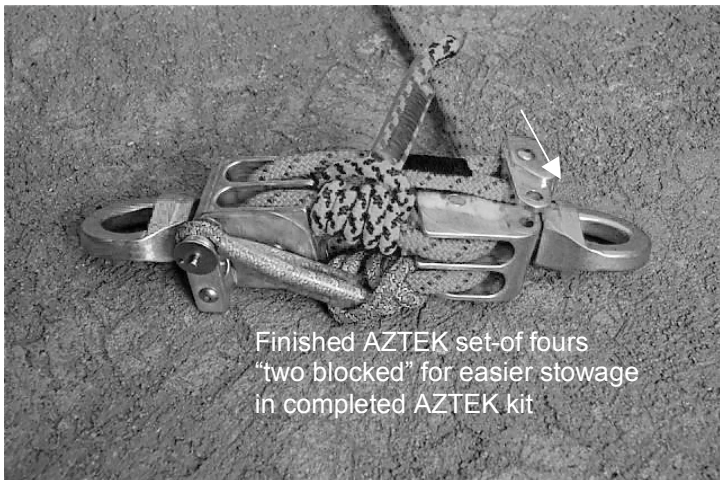
17. Decide which end of set-of-fours to attach ratchet and then remove small quick pin which comes with AZTEK Elite® pulleys



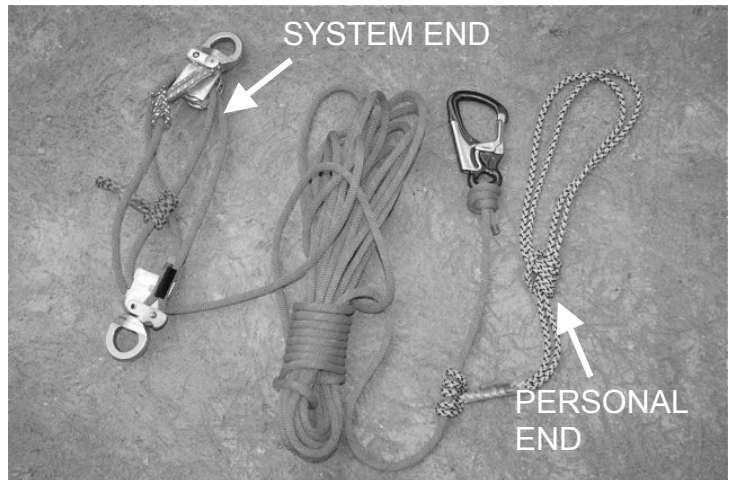
14. Pin in place orange ratchet to orange pulley or blue ratchet to blue pulley. **DO NOT attached orange ratchet to blue pulley or vice versa. Only one ratchet should be attached at a time for proper operation.**



17. Finished AZTEK set-of-fours



Finished AZTEK set-of-fours “two blocked” for easier storage in completed AZTEK kit  
The Rock Exotica Omni AZTEK Elite® SYSTEM END completely collapsed with the customary lineman “reverse reeve”. Notice the prusik not used (in this case the orange) floats on the rope during use and cannot be taken from the rope by accident



The Rock Exotica Omni AZTEK Elite® PERSONAL END shown on the right side with travel restrict/shock absorber and connecting auto locking carabiner. For instructions on this end see [www.ropesthatrescue.com/aztek.htm](http://www.ropesthatrescue.com/aztek.htm)