

The School For  
Mountain Leadership

## HIGH ANGLE RESCUE TRAINING HANDOUT No 3 : COMMON HAULING SYSTEMS

*This training handout may be freely reproduced  
and distributed in an unaltered form.*

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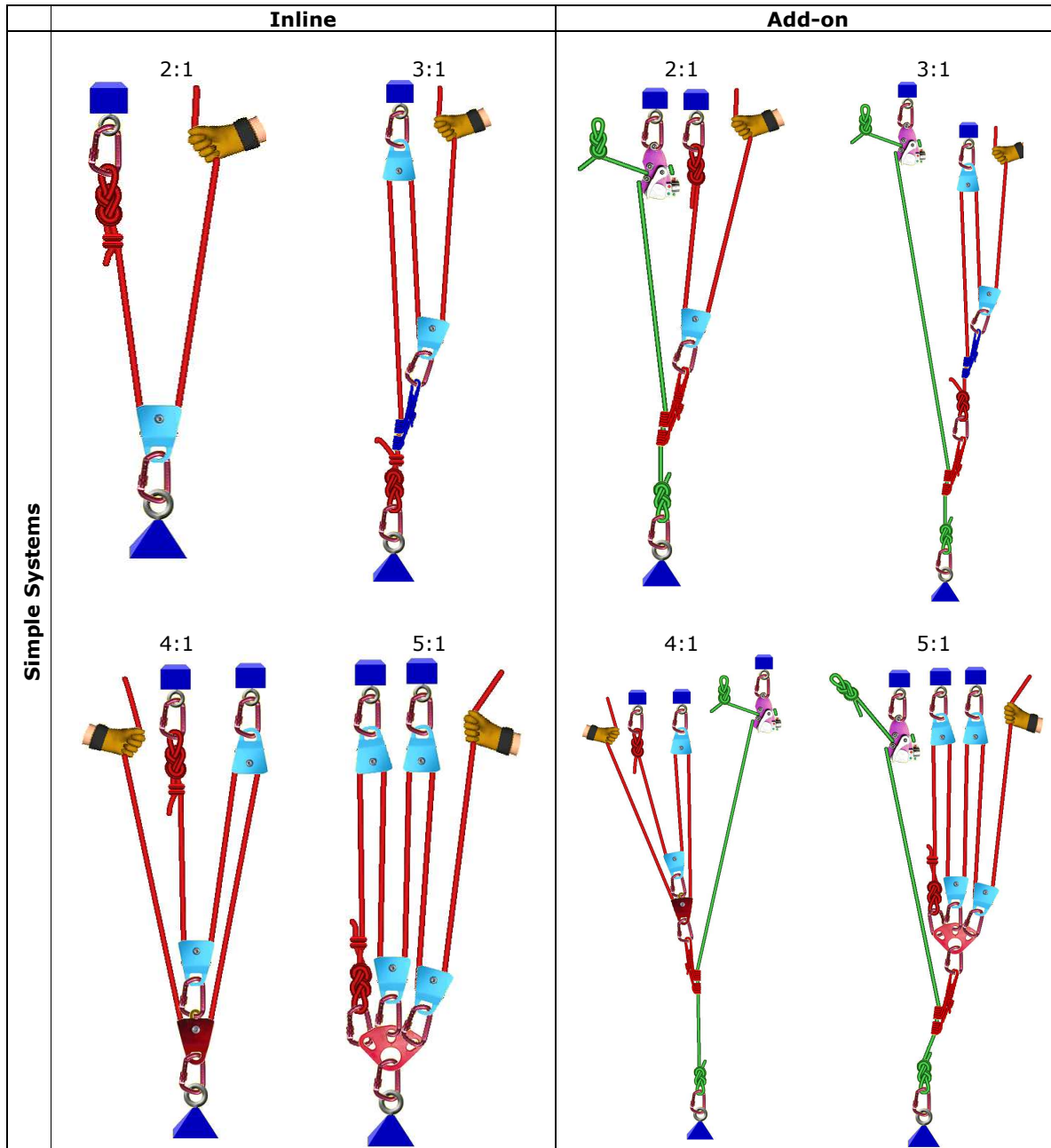
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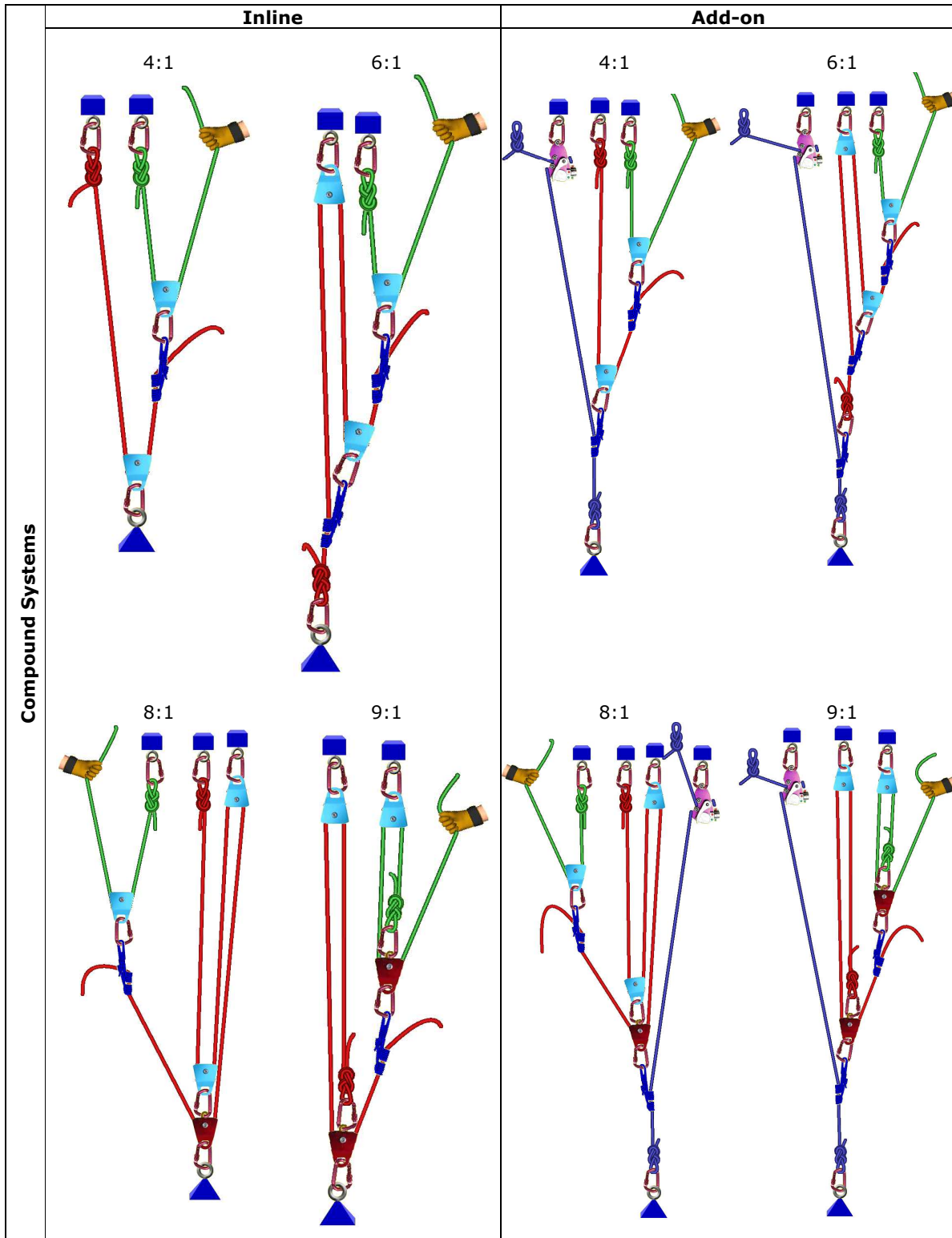
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There are a number of ways that mechanical advantage systems (pulley / hauling systems) may be constructed. Illustrated below are a few of the more common ones. In general, these systems may be either inline (constructed using the actual haul line) or add-on (constructed using a separate rope and then piggy-backed onto the haul line), and can be either simple or compound. Note: Progress capture (ratchet) has been omitted for clarity



A compound system is constructed by using one mechanical advantage system to pull on another to multiply their effectiveness. In the first example we have a 2:1 system pulling on another 2:1 system to create a 4:1 system ( $2 \times 2 = 4$ )



Please contact us at the above addresses for further information.