Sit Ski Simulator

# Specifications

Simulator Dimensions

Length 70½ inches, Wheel Base 64½ inches, width 45 inches, Height 44 inches with handle installed 10 inches without handle installed.

Note the rear wheels are set back to facilitate the skier pushing themselves around with outriggers, if that is not something you are going to have your students doing the trainer could be shortened to make it more compact.
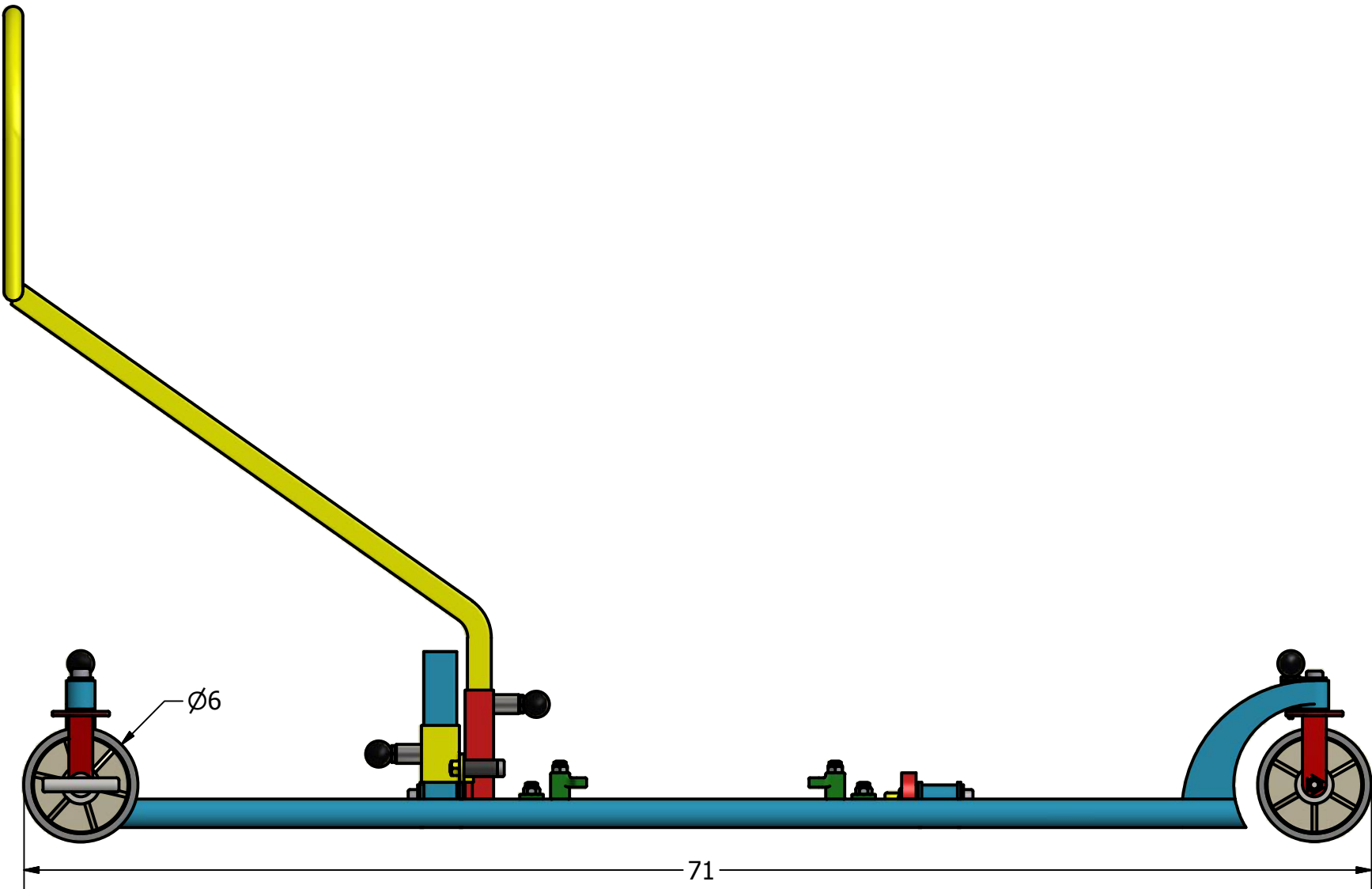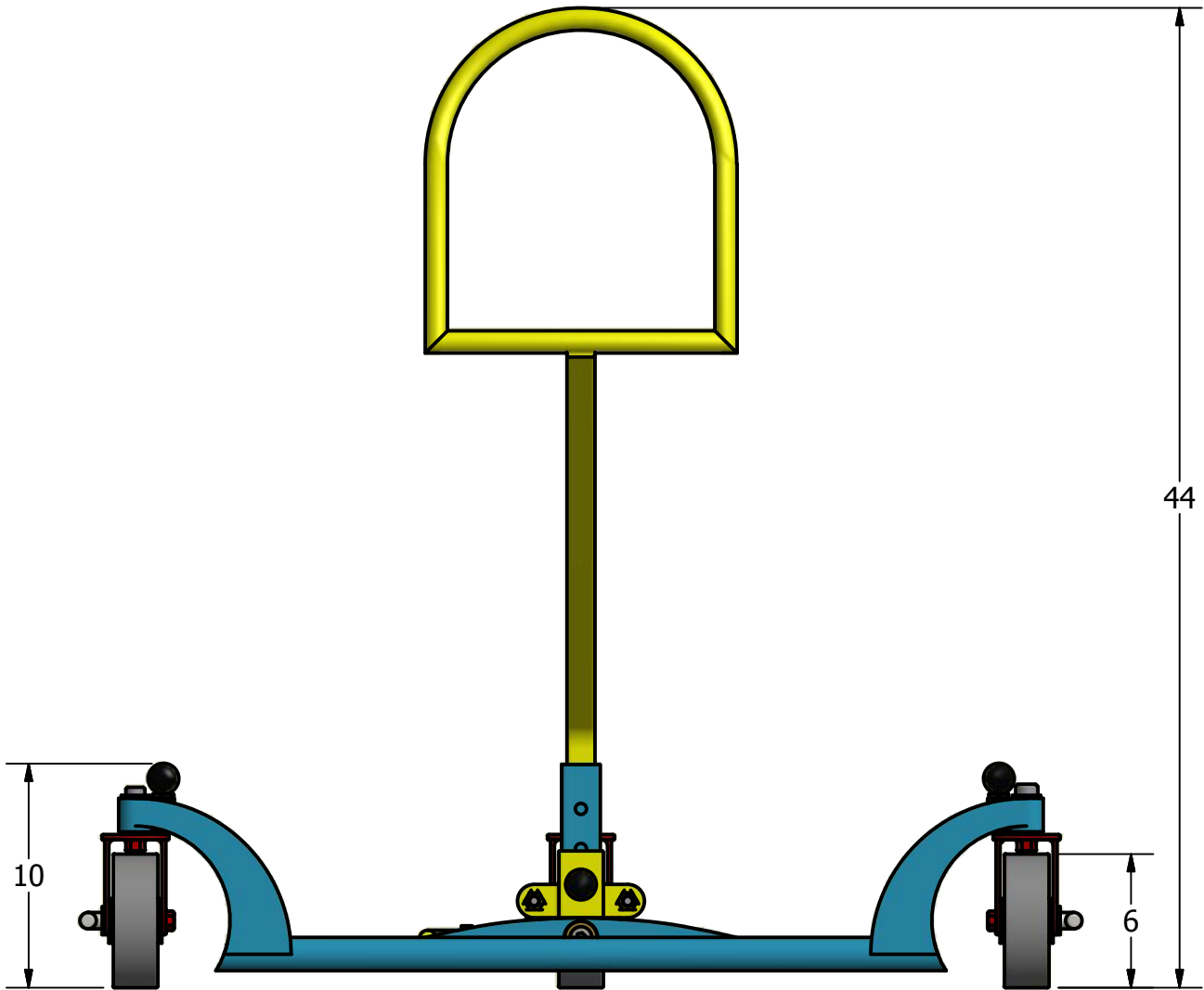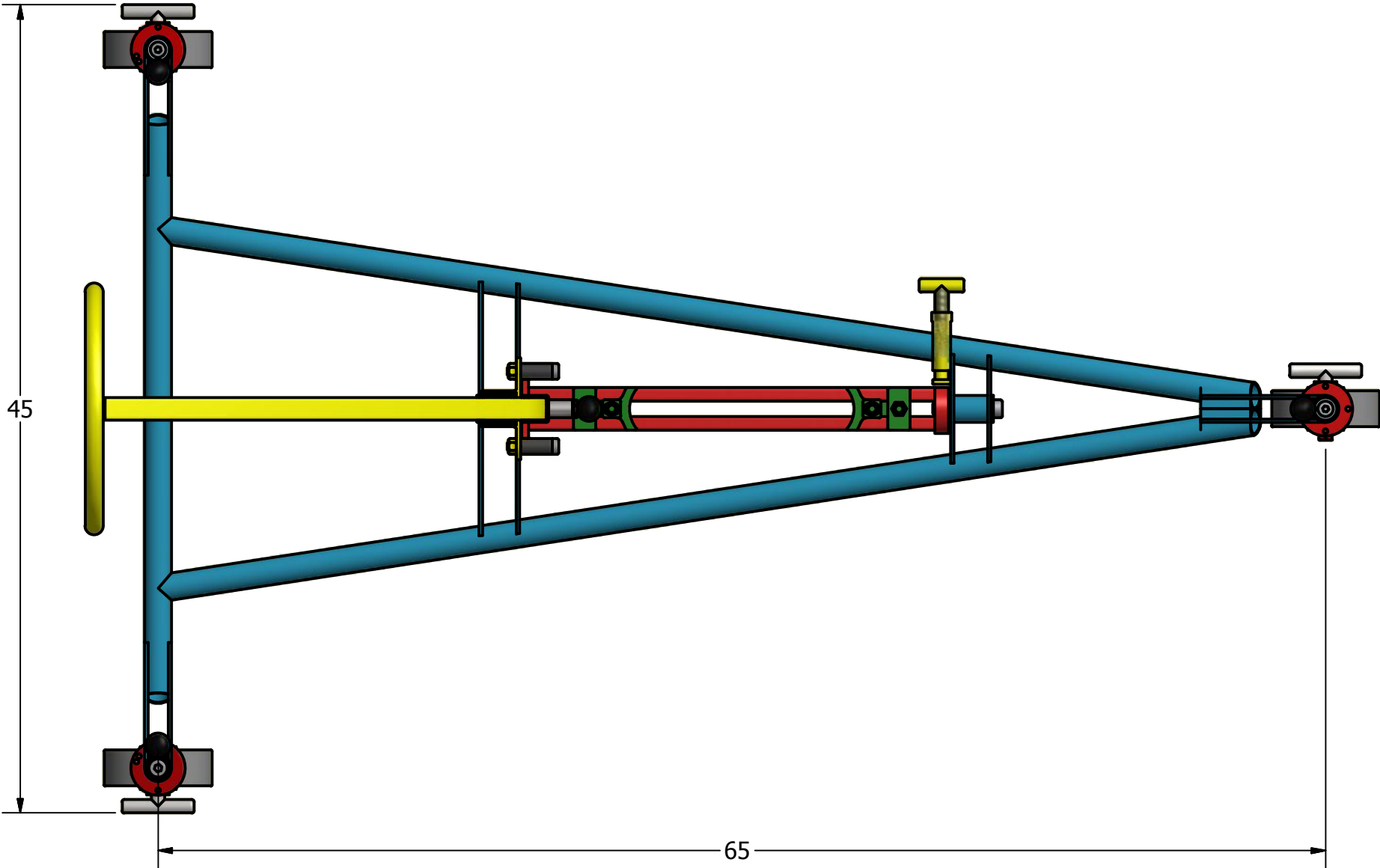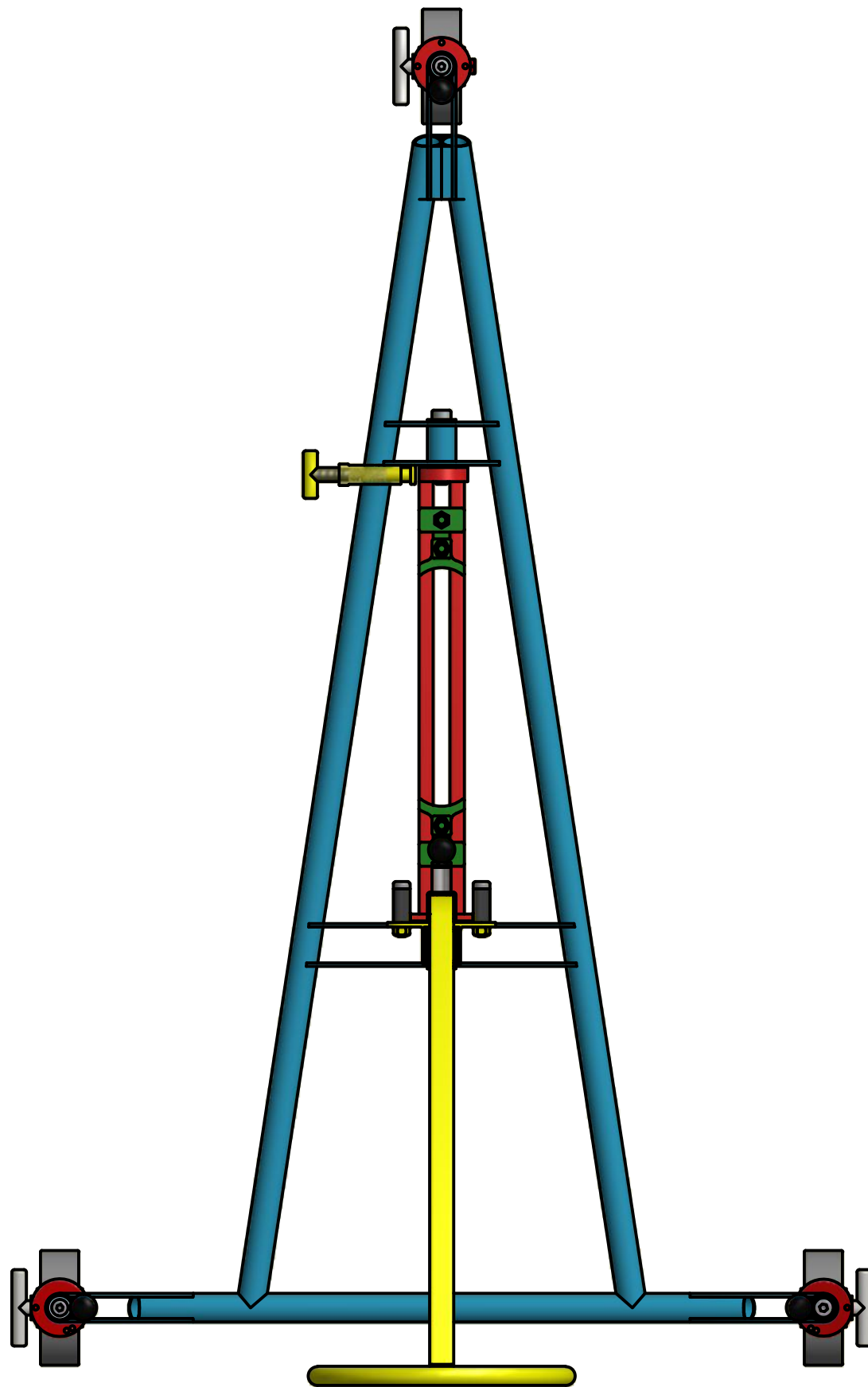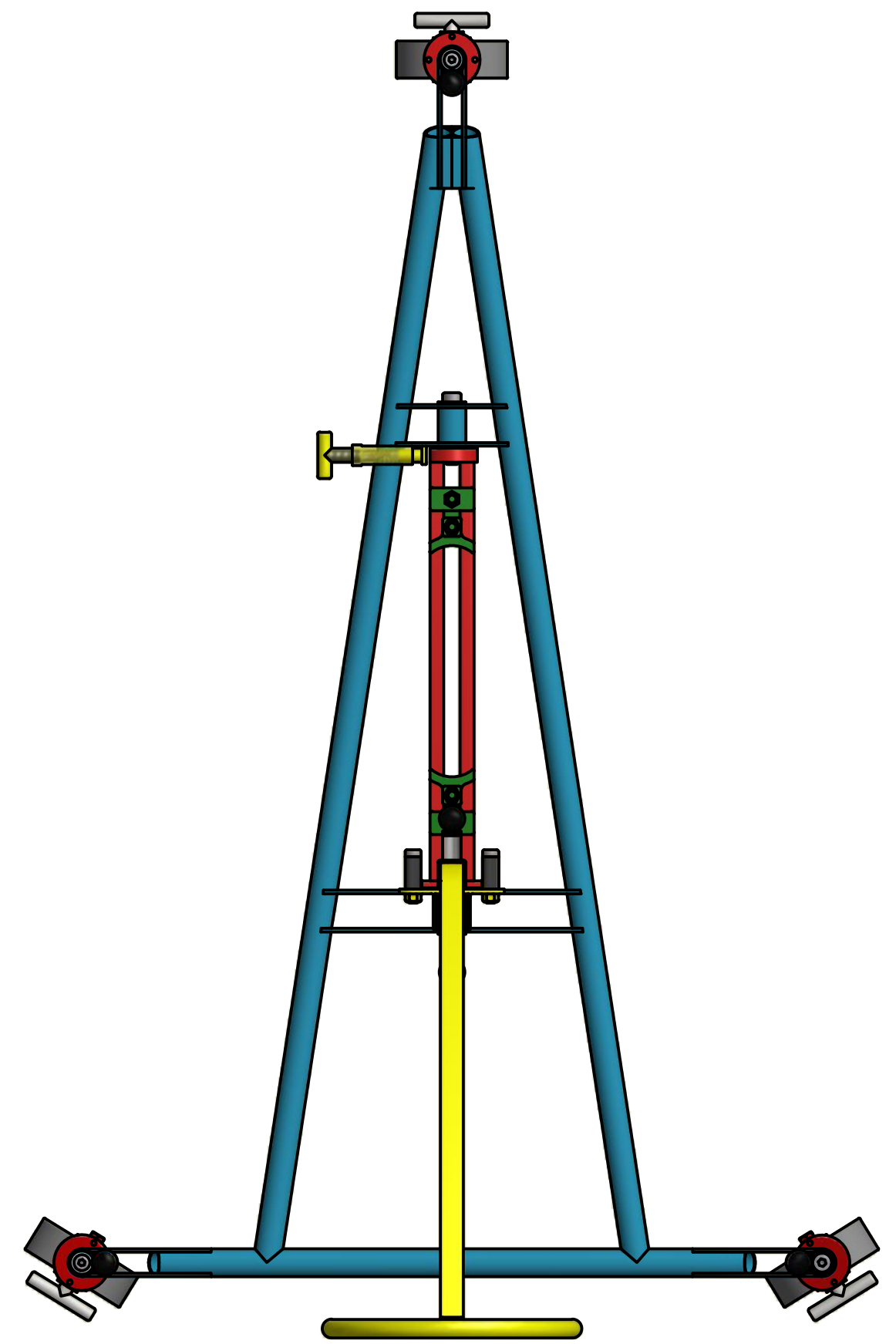
Wheels set strait and free wheeling with a small amount of tilt enabled to allow skier to practice pushing themselves forward and backward.
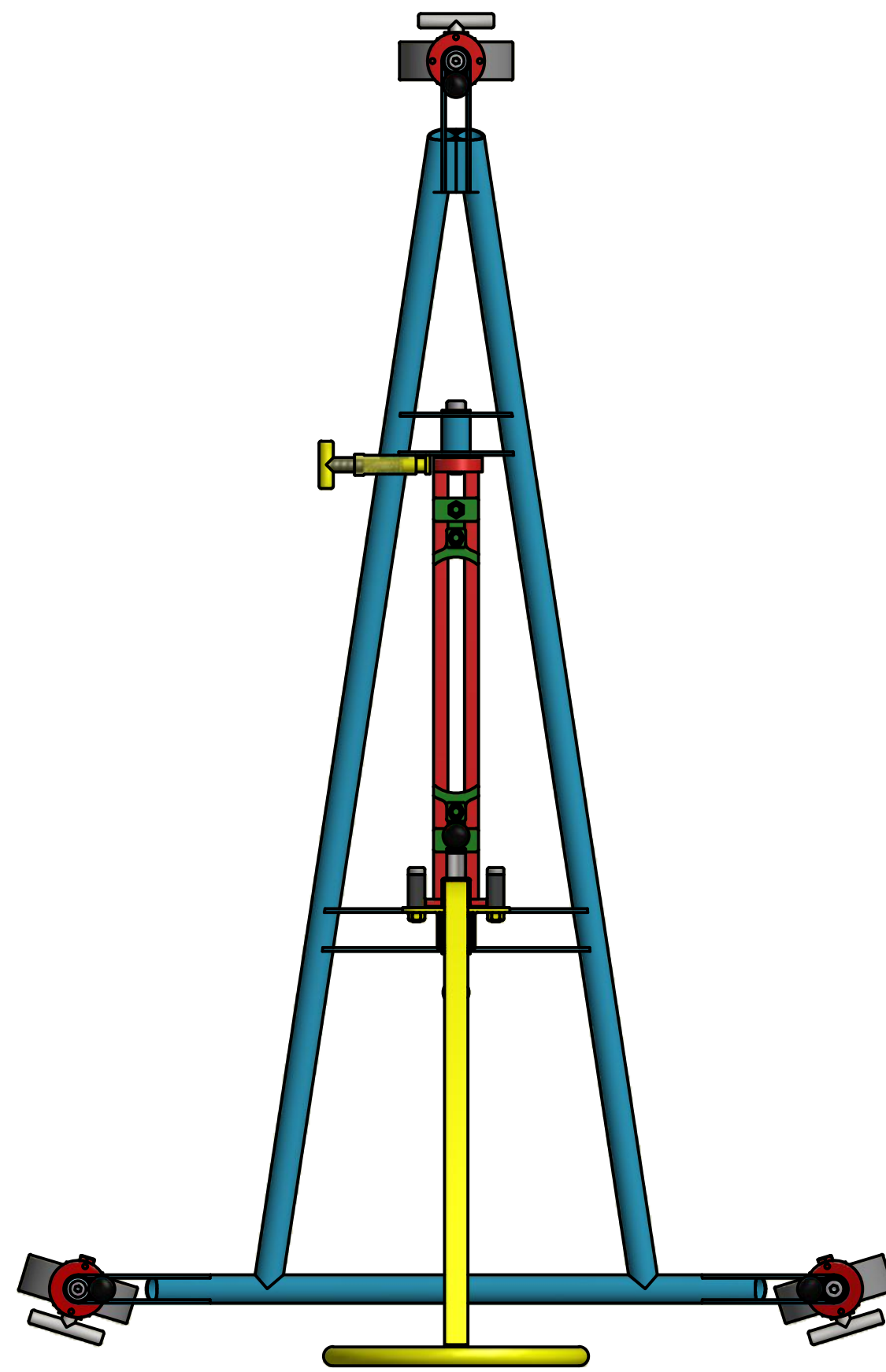
Wheels set at a steep angle with the front wheel locked and tilt enabled to simulate a skier making advanced sweeping turns.The assistance of an instructor is necessary to facilitate this activity.

Wheels set at a shallow angle and a small amount of tilt enabled to simulate a skier making a beginners bowtie type of turn.

Spring Latch to
adjust Tilt Stop
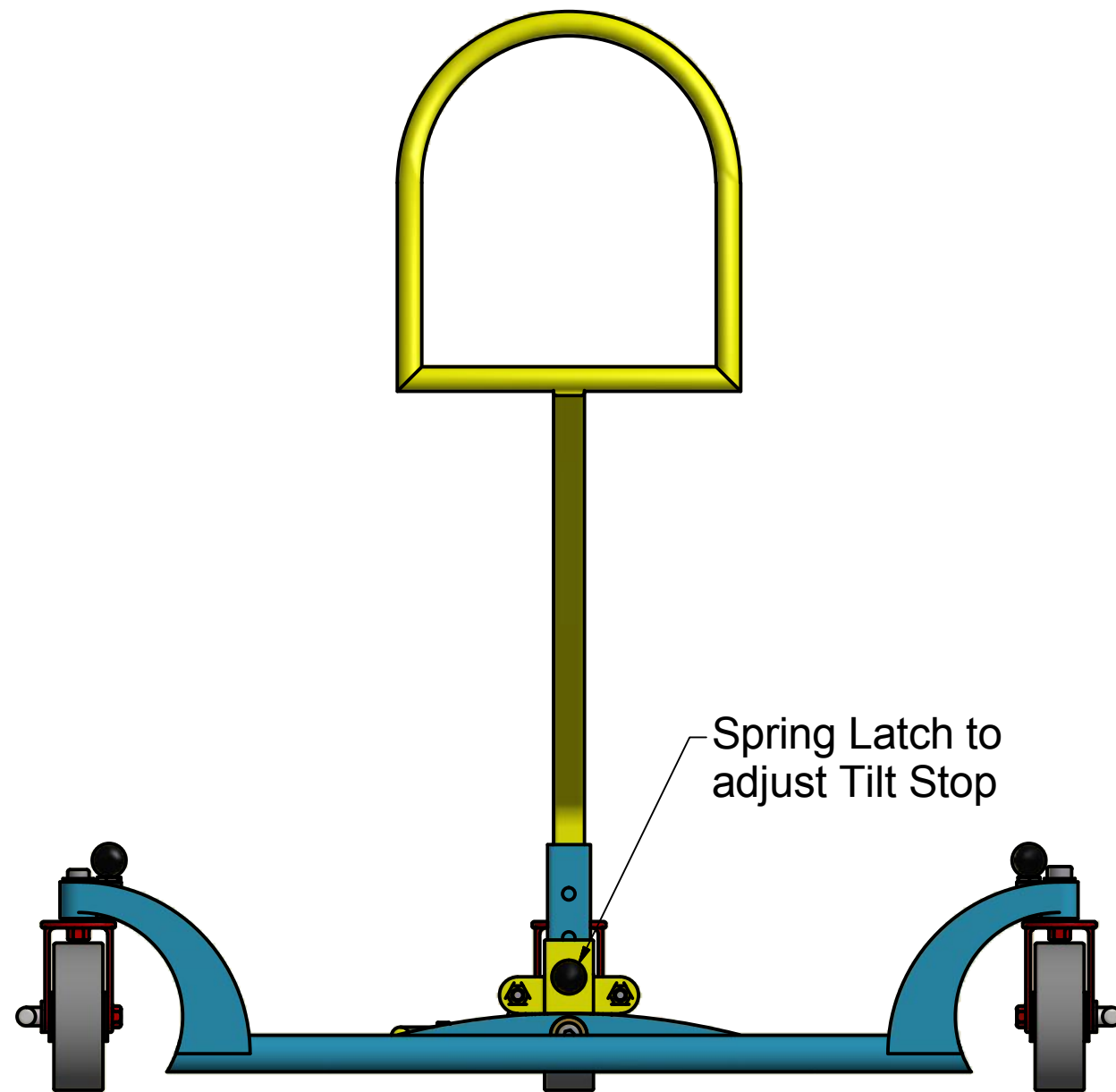
Tilt locked strait up.
Note there will be a small amount of play when the
simulator is locked upright.

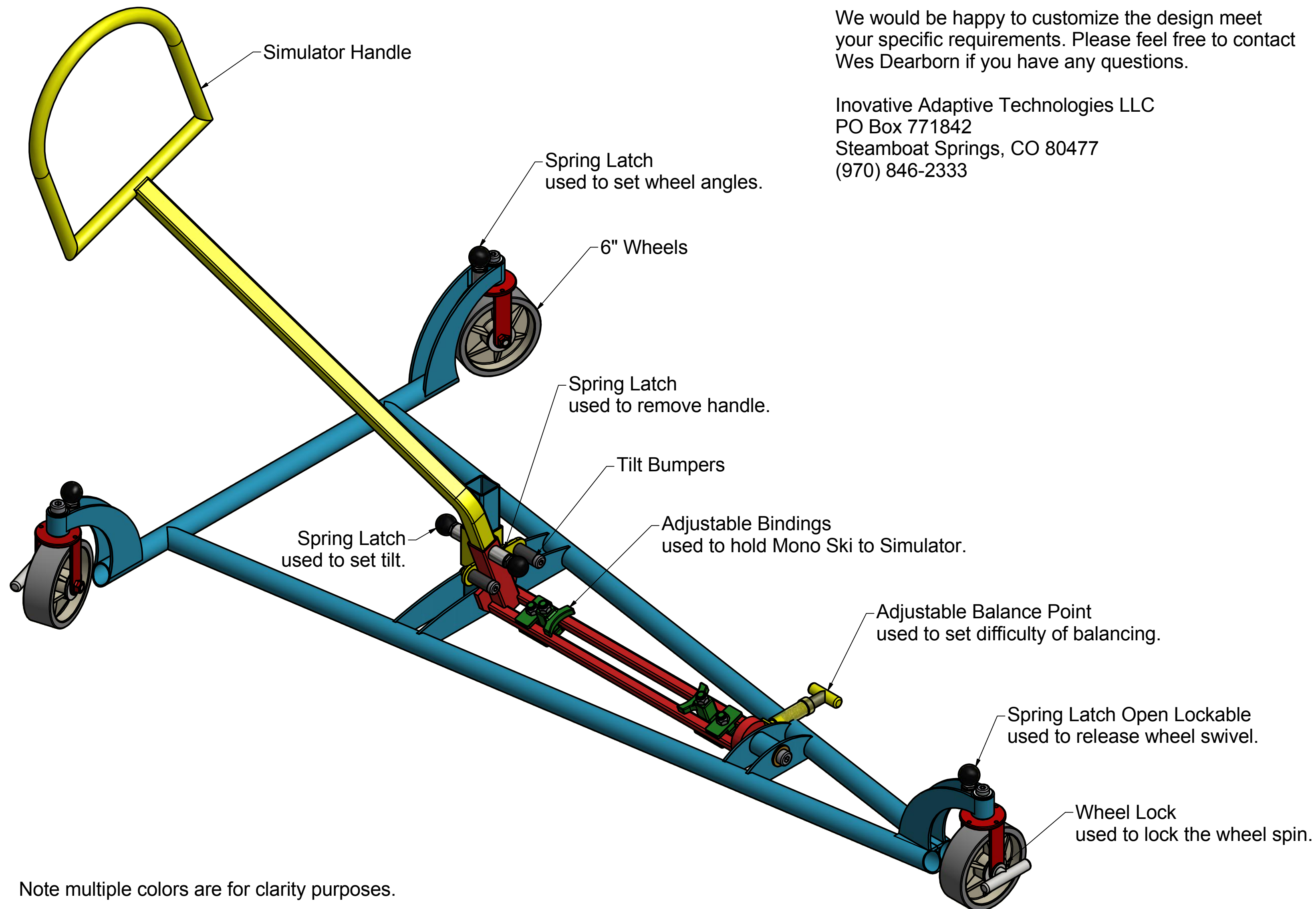Tilt Stop raised
one hole to set at 20 degree.
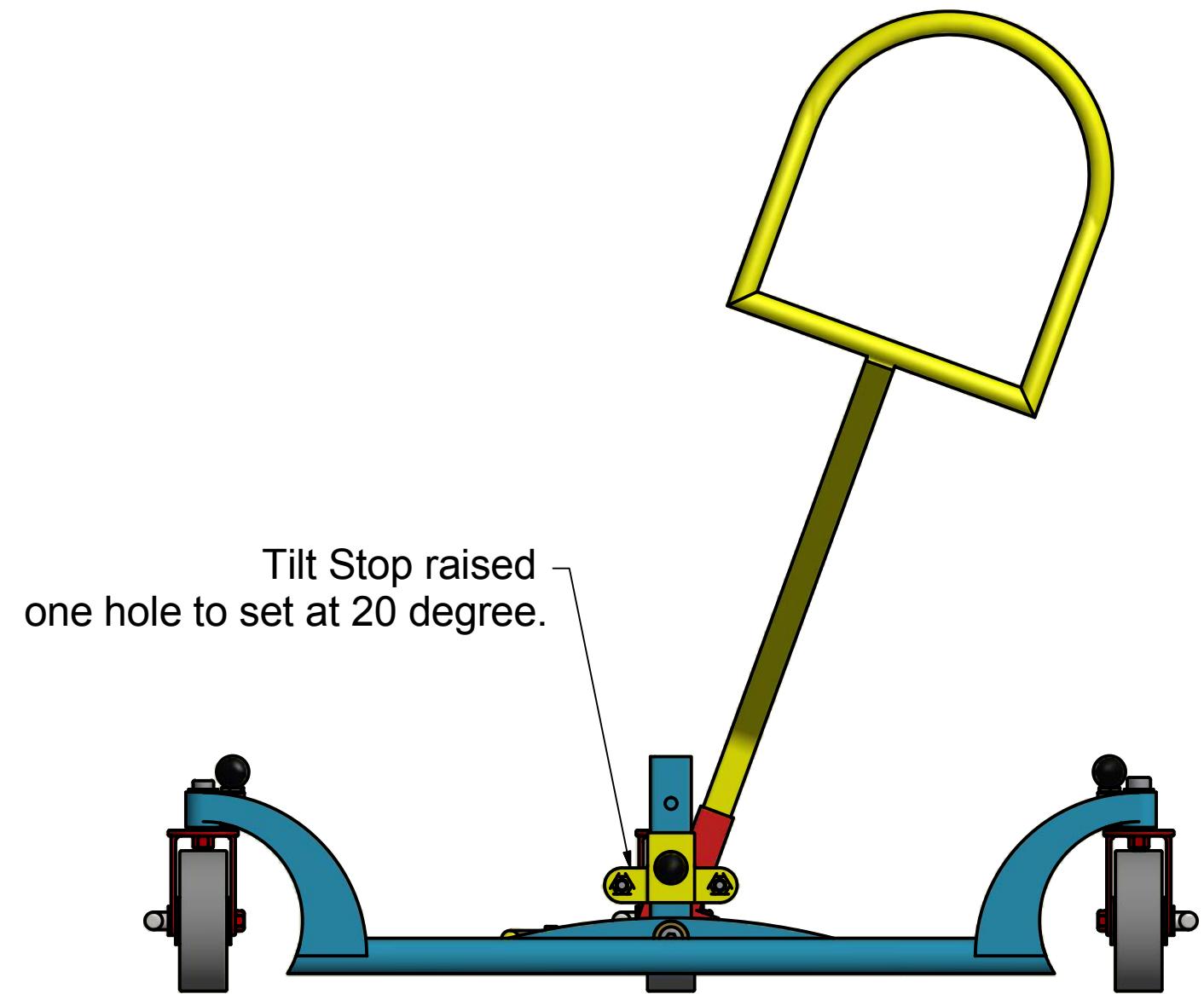
Simulator set to a 20 degree tilt.
Note the simulator can be set at 0, 20, 15 and 10 degrees of
tilt. Please use caution and have an assistant hold on to the
handle when the machine is set to the steeper angles, to
prevent the skier being jolted.
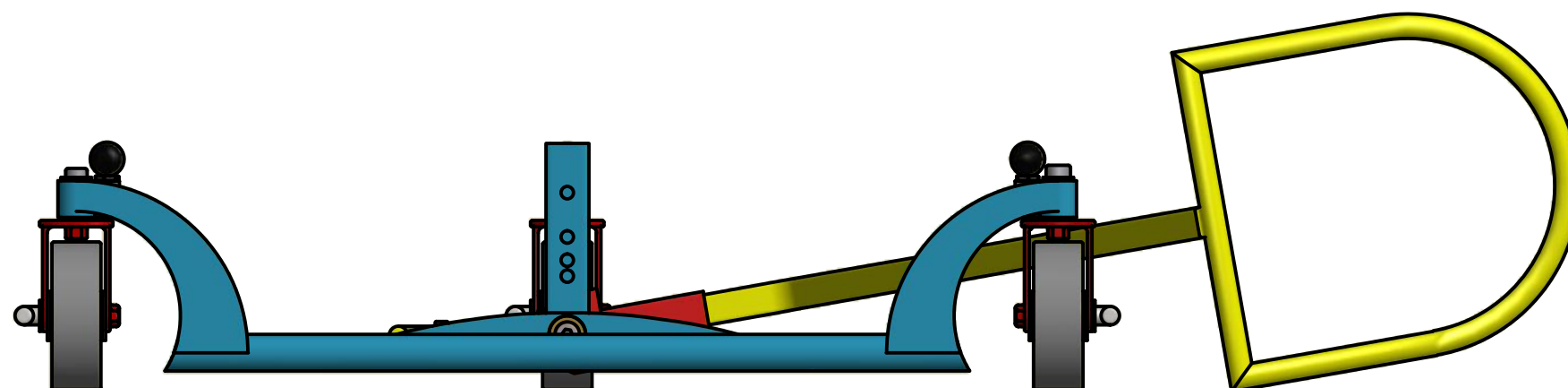
Tilt Stop removed to simulate a fall.
Note you need to verify the Monoski is not going to bind
on the simulator before you do this maneuver. It is recommend
you use a thick foam cushion for the skier to fall onto to prevent
them from falling completely flat. Note getting up after a fall is an
extremely physical experience for both the skier and the assistant.

Simulator Handle

Spring Latch
used to set wheel angles.

6" Wheels

Spring Latch
used to remove handle.

Tilt Bumpers

Spring Latch
used to set tilt.

Adjustable Bindings
used to hold Mono Ski to Simulator.

Adjustable Balance Point
used to set difficulty of balancing.

Spring Latch Open Lockable
used to release wheel swivel.

Wheel Lock
used to lock the wheel spin.

We would be happy to customize the design meet your specific requirements. Please feel free to contact Wes Dearborn if you have any questions.

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Note multiple colors are for clarity purposes.