
First Technology Safety Systems

Minor updates and
pusher plate discussion
for Flex Pli GTR

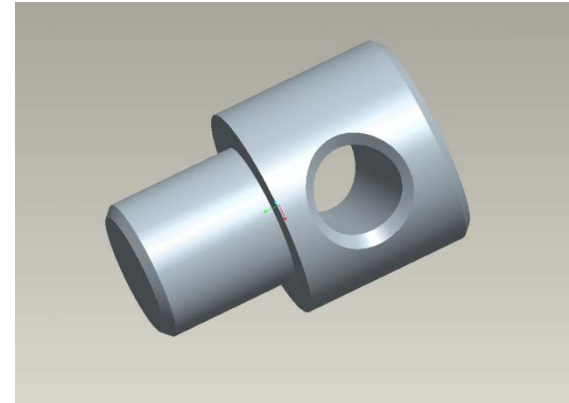
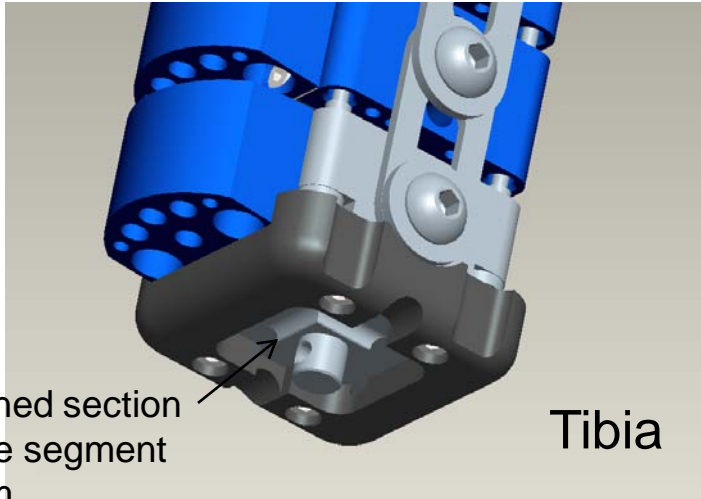
Mark Burleigh

1 December 2009

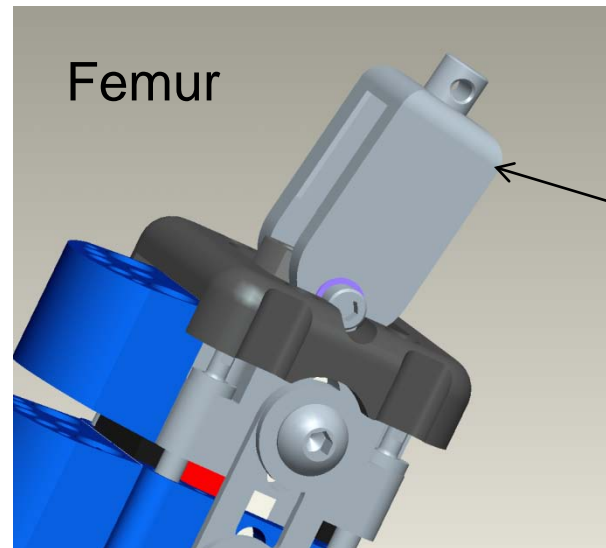
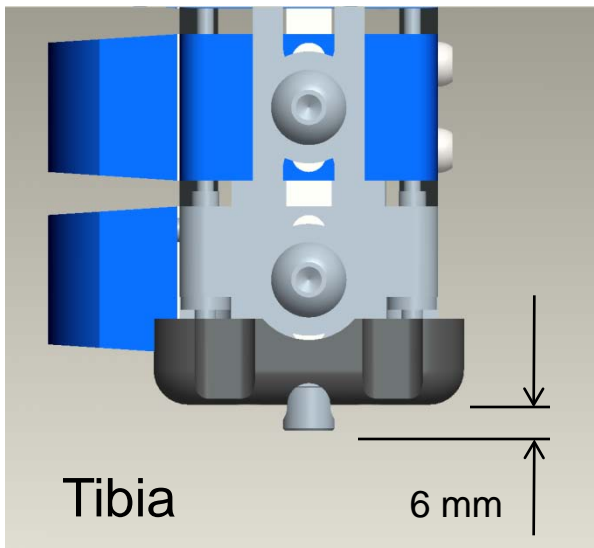
Content

- Catch rope idea
- Modification proposals (minor improvement)
- Ballast weight (pendulum) improvement
- Notification of setting tool change
- Pusher Plate discussion for common use

Catch rope idea

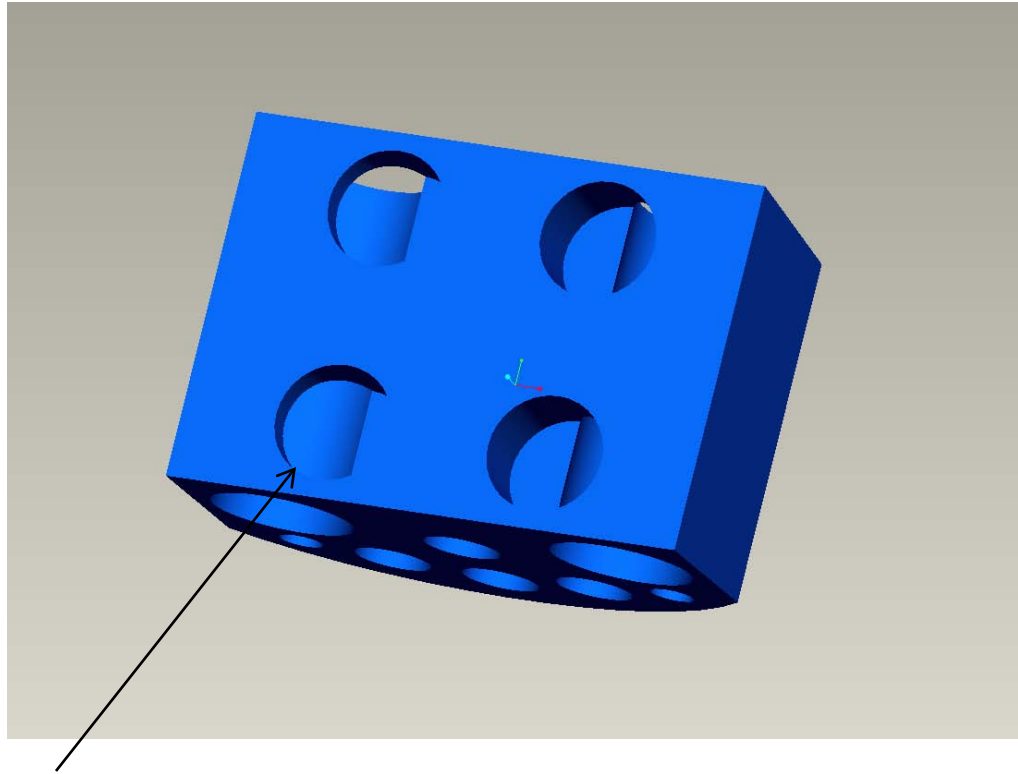


M8 pin, aluminum or steel with 5 mm hole for steel wire loop



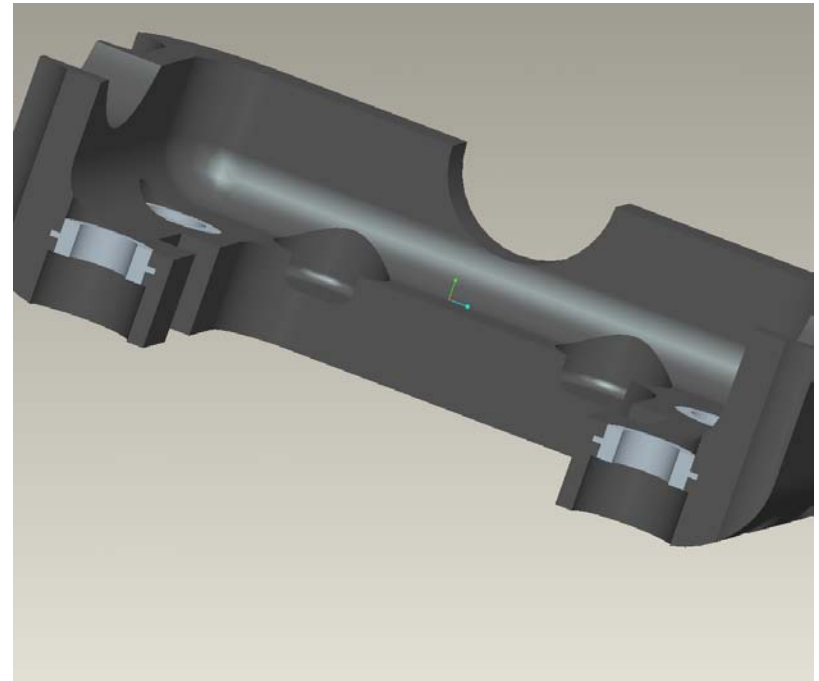
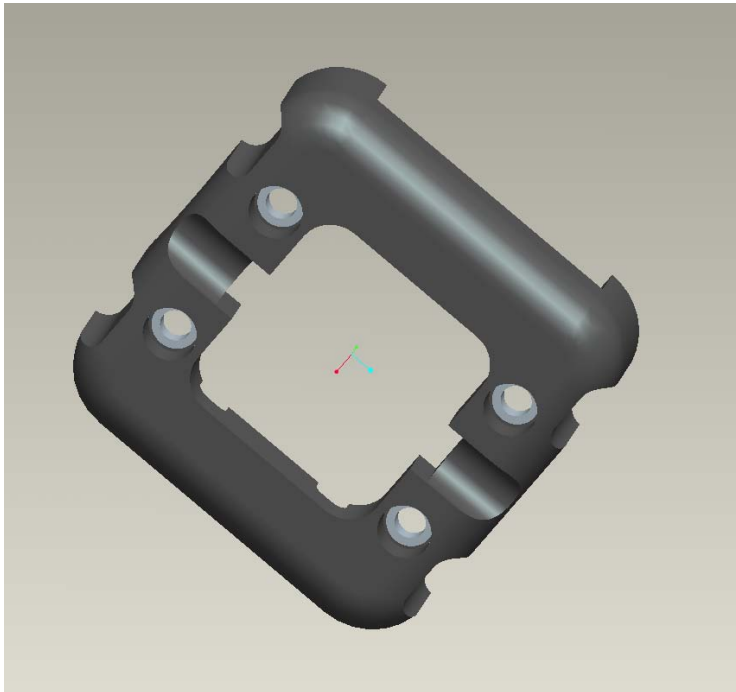
Guide has been thickened at top from 6 to 8 mm

Impact segment improved positioning



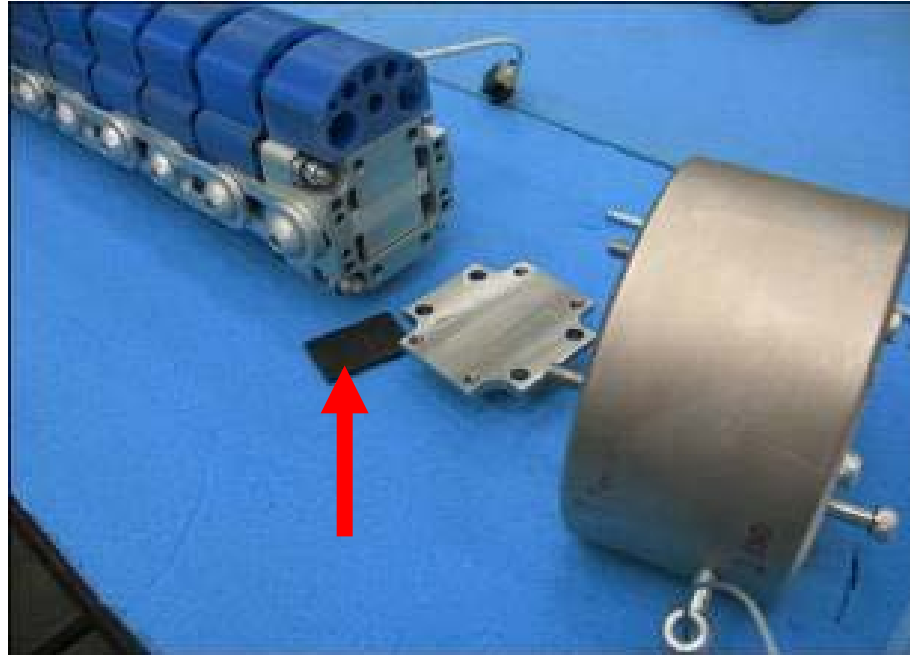
Reduce hole size on impact segment from 10.7 to 10.5 mm diameter for more accurate location. Screw head size varies from 10.15 to 10.35 so no problem with fit tolerance

Spacer tubes to prevent plastic compression



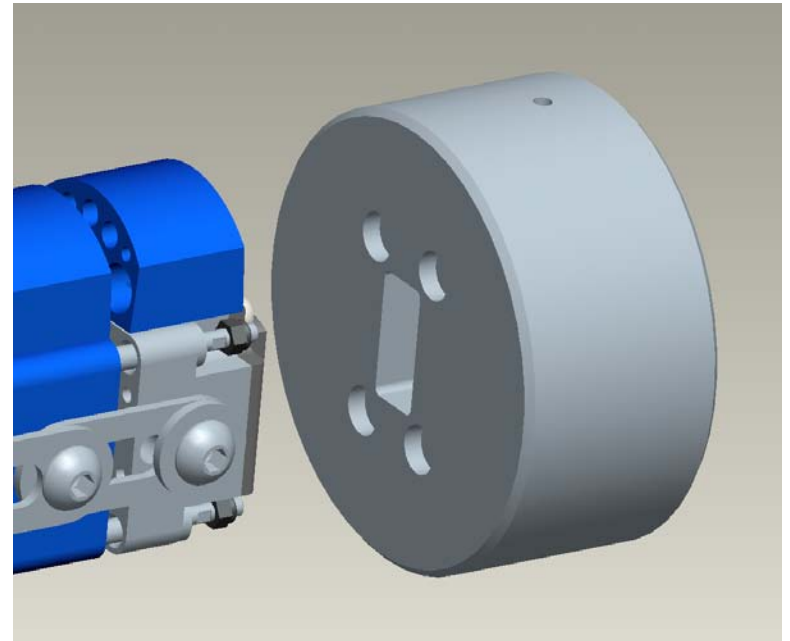
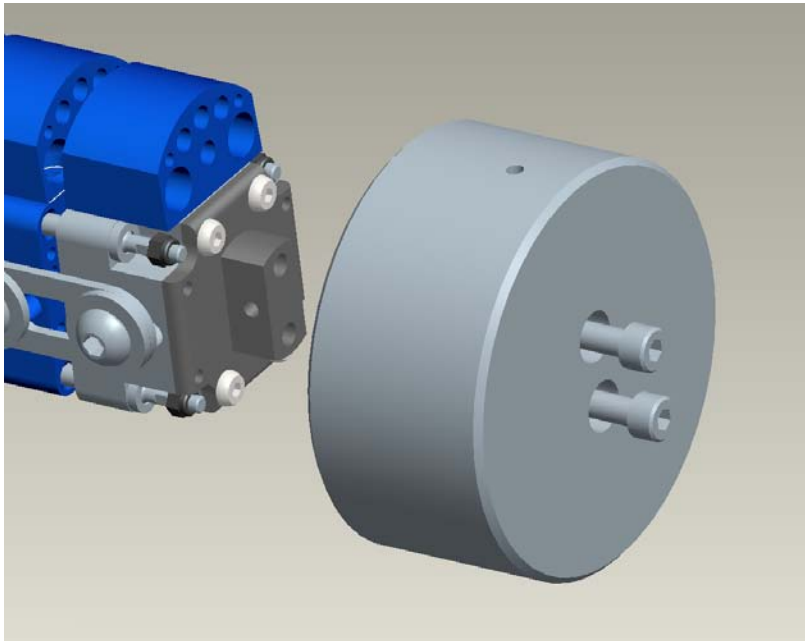
Aluminum spacer tubes molded into protective cover

Bonding bone buffer



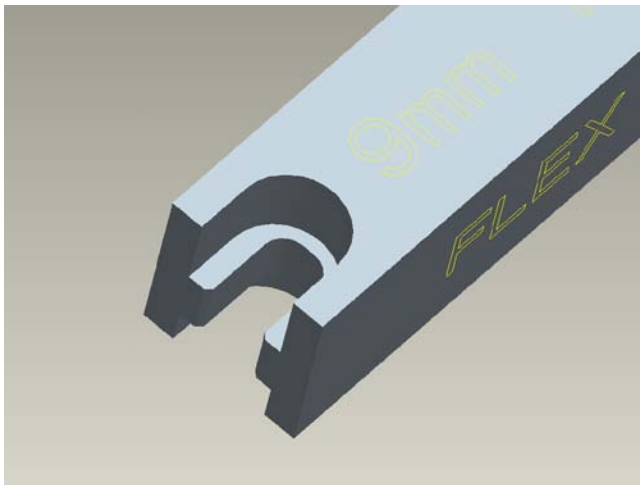
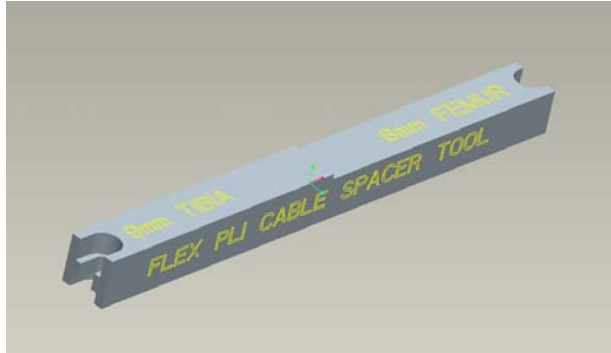
Bond end bone buffer both ends for correct location
and to ensure part is in place after disassembly
bond will not be too strong

New ballast weight attachment for pendulum rig

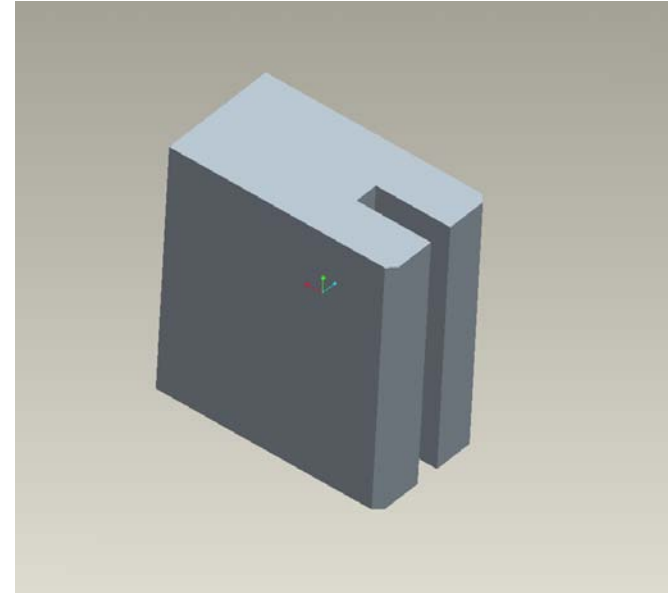


New proposal avoids need to remove femur top plate
and is easier to locate and fit

Setting tools

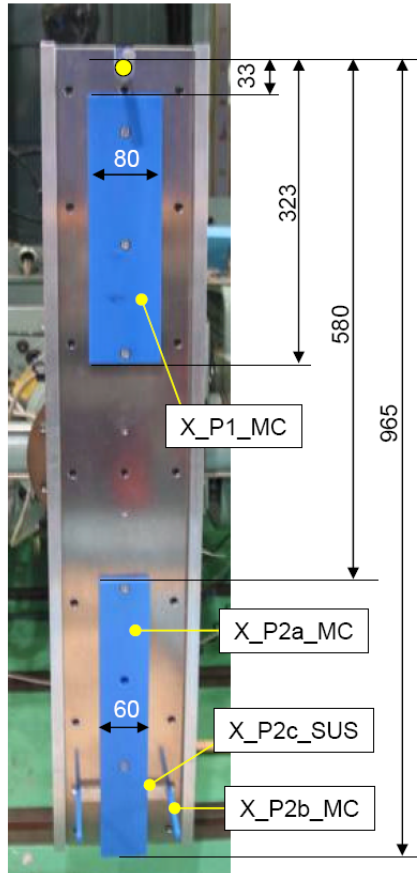


Incorporate flat in setting tool
to replace use of 2 wrenches, making
adjustment easier

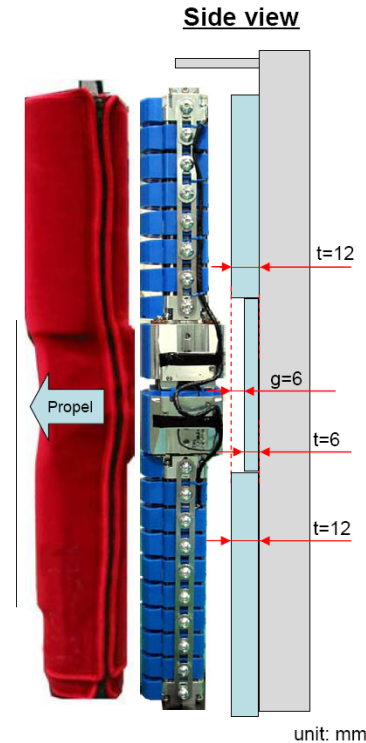


2x string pot attachment
setting block for knee assembly
now supplied in toolbox

Discussion pusher for universal use



Front view of
JARI pusher plate



For high acceleration push phase
JARI recommends 6 mm plate
behind knee area

Do other users agree to these dimensions?

Pusher Questions

- Is a flat face interface acceptable if so how thick?
If not will need to customize
- Does the launcher need tilting upwards to allow for gravity in flight?

Thank you