

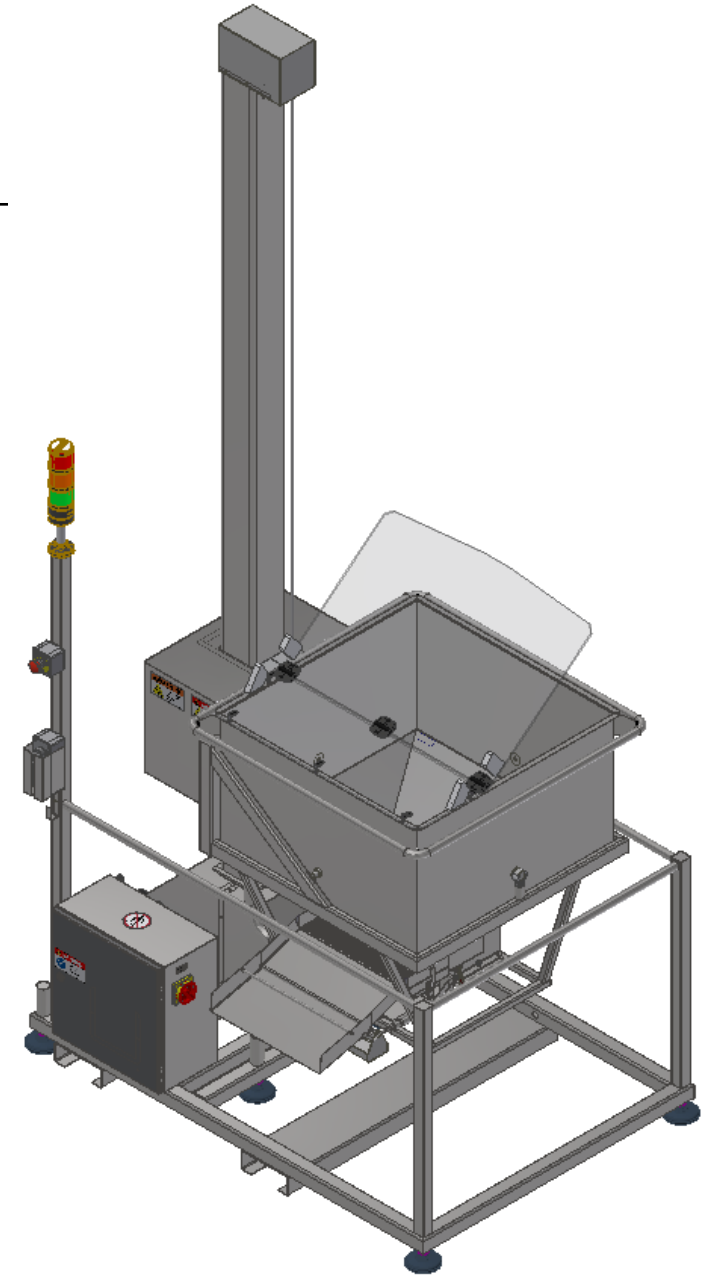


TE10 TABLET ELEVATOR - DESIGN UPGRADES

2021-06-03

Problem Statement

- Mechanical lifting system does not follow today's safety standards
 - Cable
 - Brake

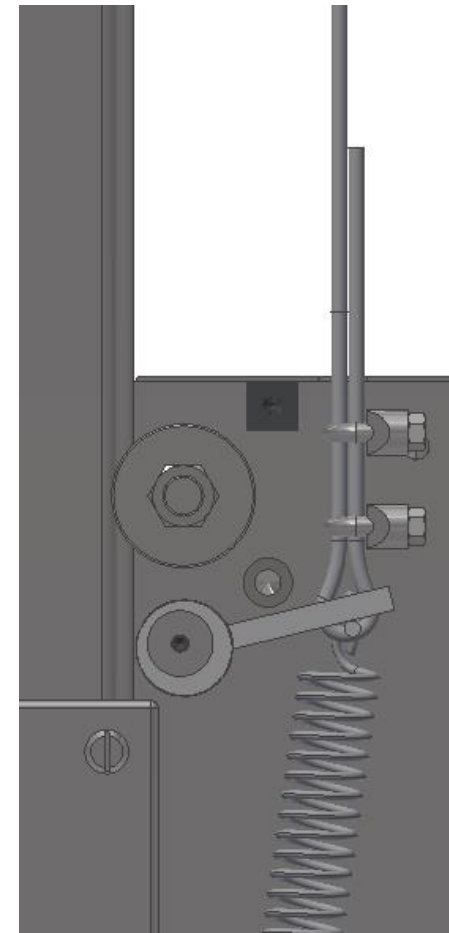


Addressing Cable Issues

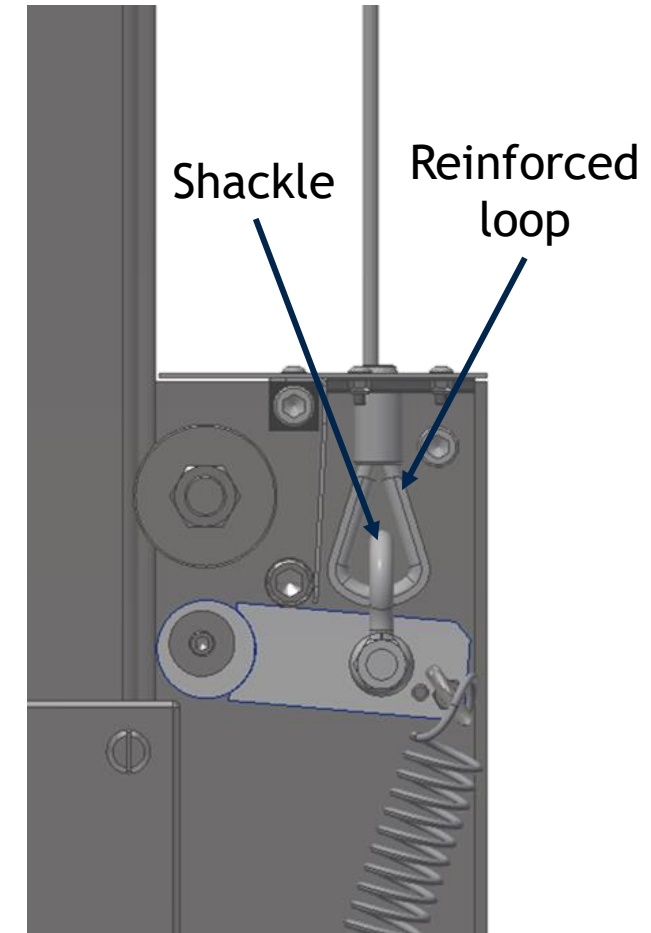
- Cable choice
 - Selected cable follows the standard: ASME-B30.9-2014
- Attachment method
- New guard and brush due to cable movement

Attachment Method

- New attachment method using a cable with a built-in reinforced loop and a shackle
- A new guard and brushes added due to movement of the shackle when brake engages/disengages

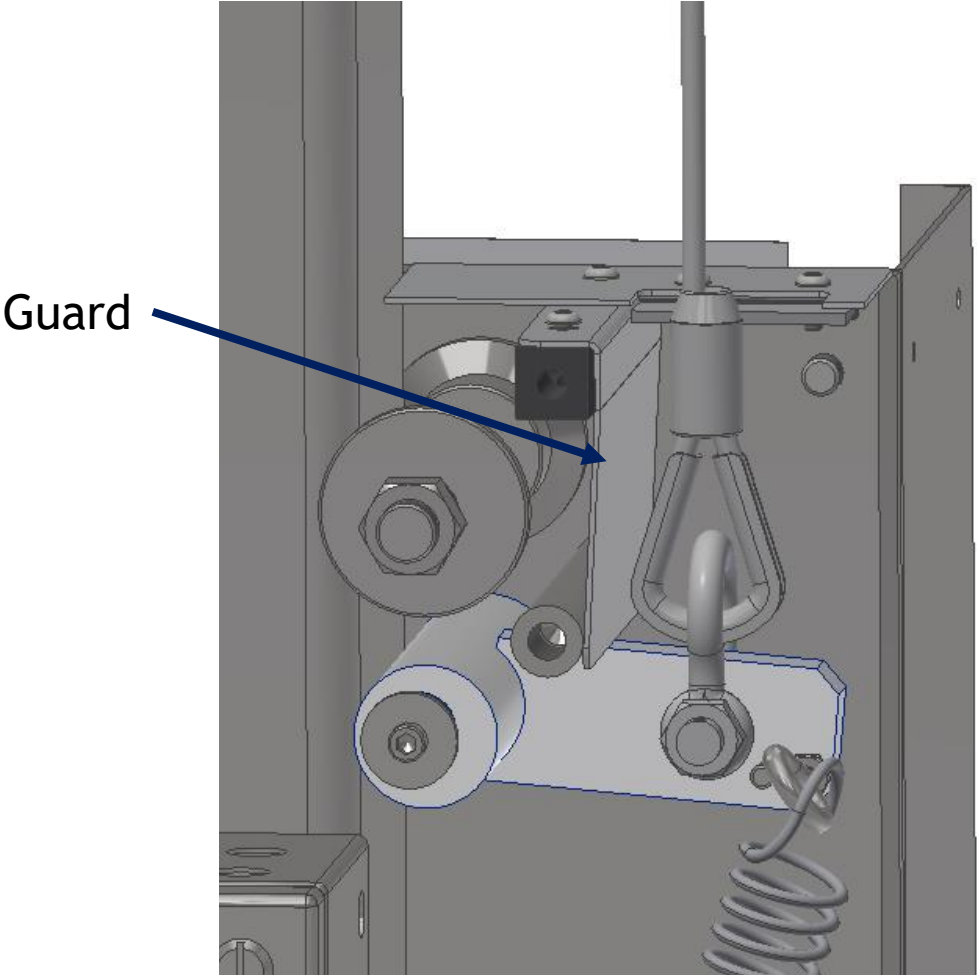
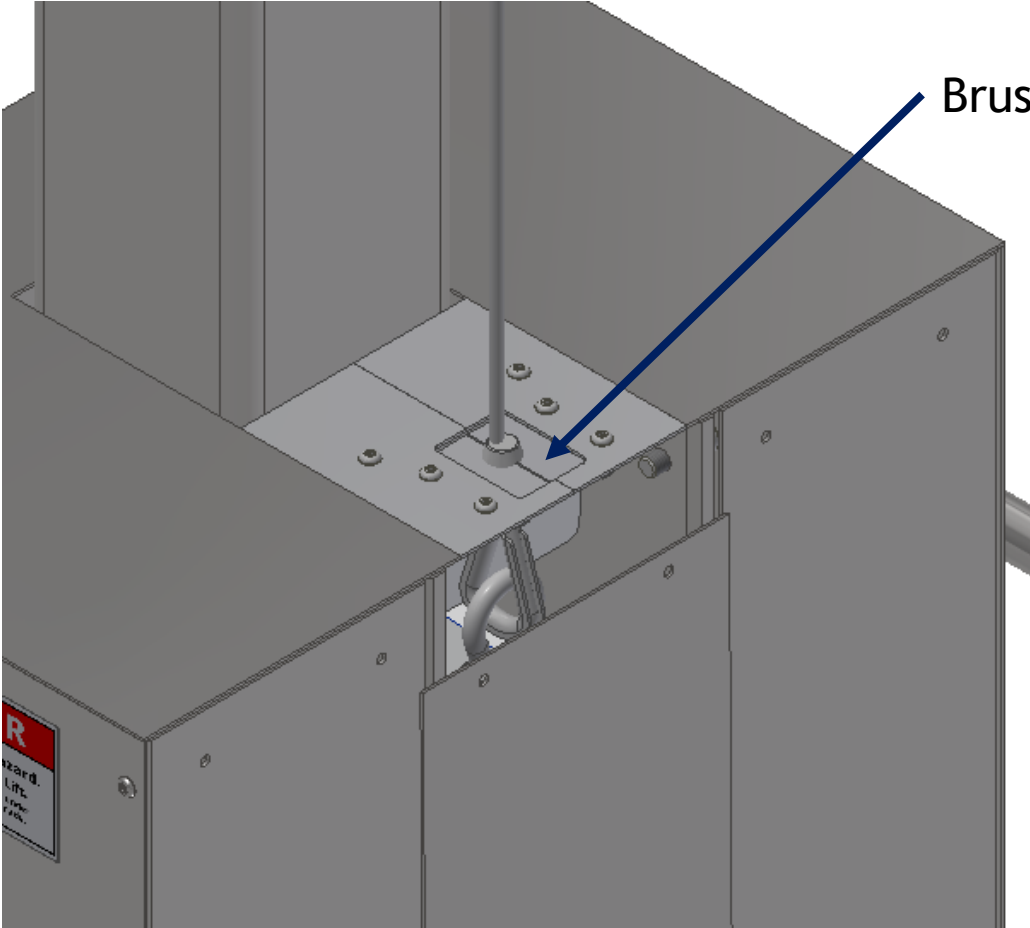


Before



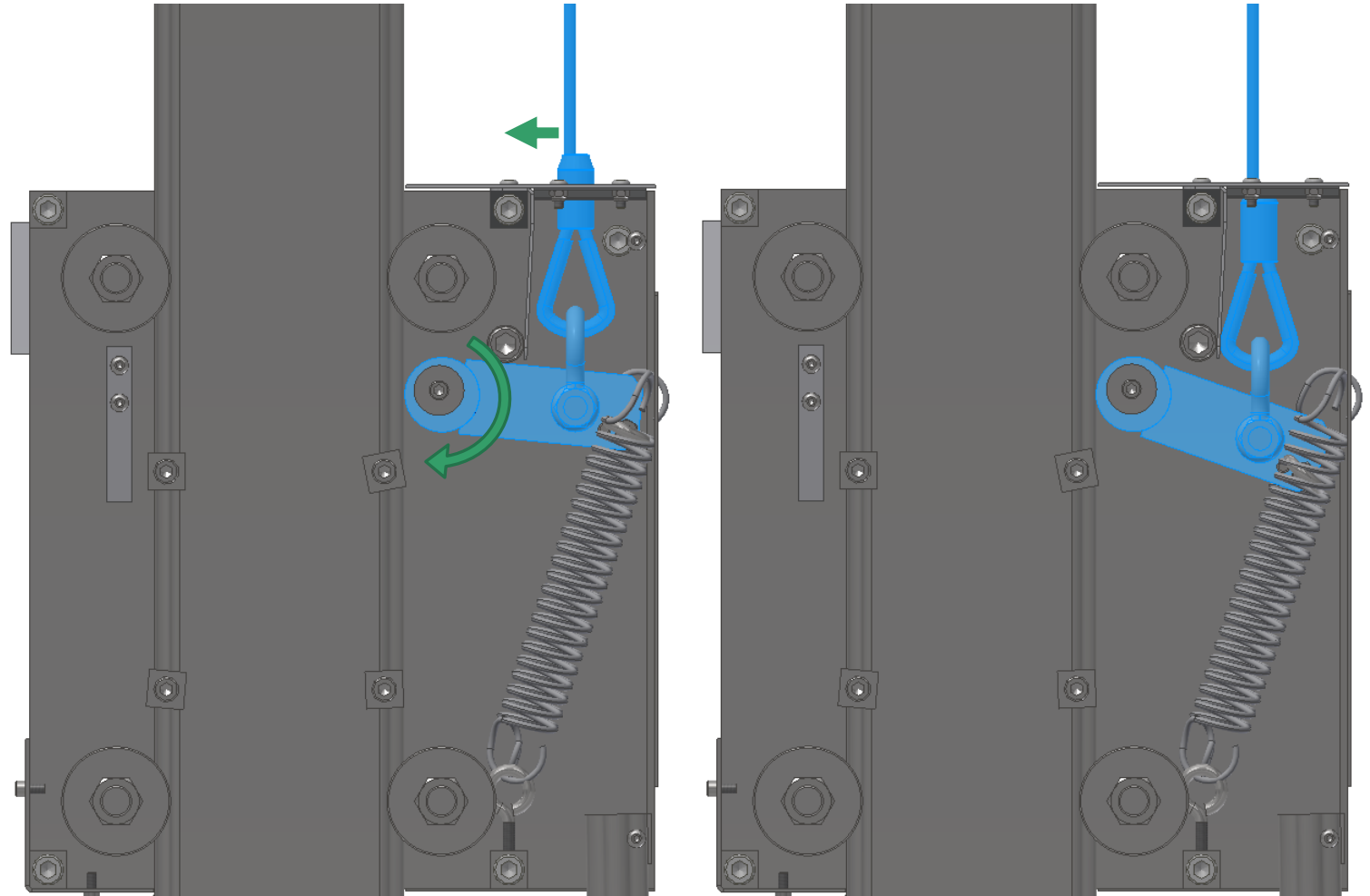
New

Guard and Brushes



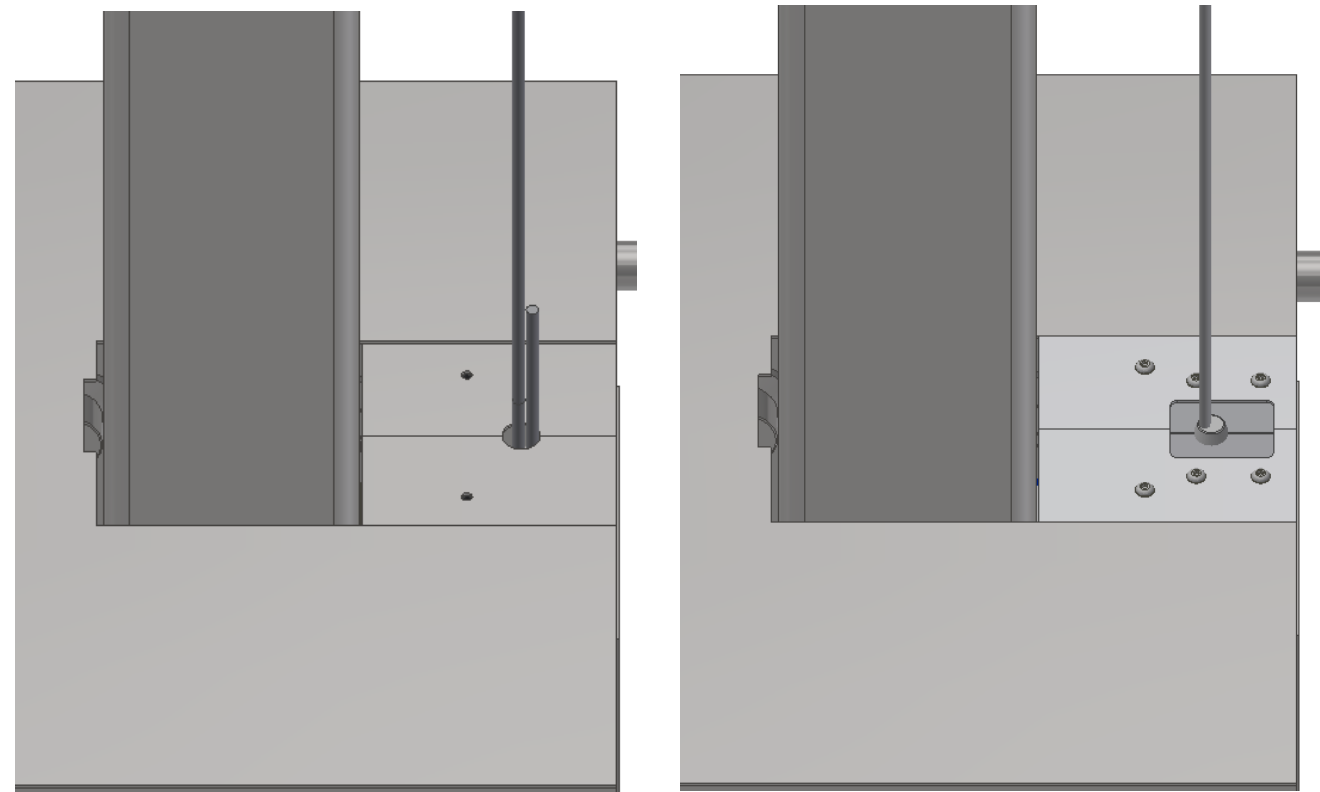
Guard and Brushes

- When brake is engaged, it rotates, causing cable to move laterally
- Guard prevents cable from hitting the square post, preventing wear



Guard and Brushes

- The previous design included metal sheets with a round hole for the cable. Lateral movement in the cable would cause the cable to rub against this hole
- The brushes allow lateral movement in the cable without wear

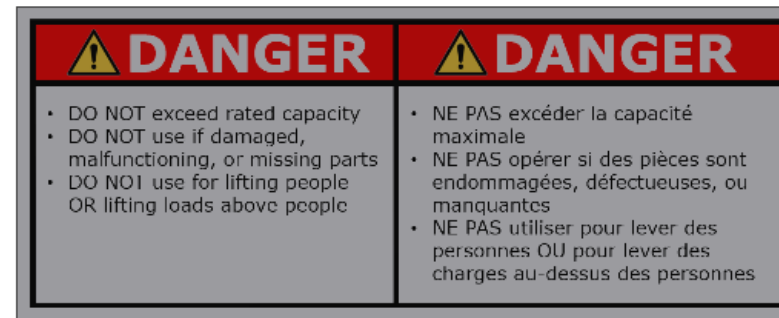
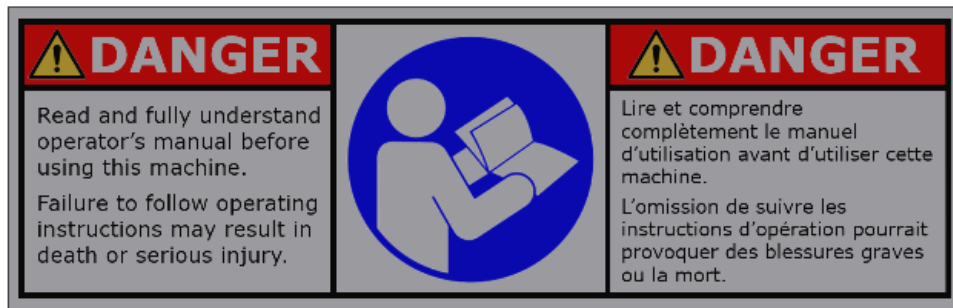


Before

New

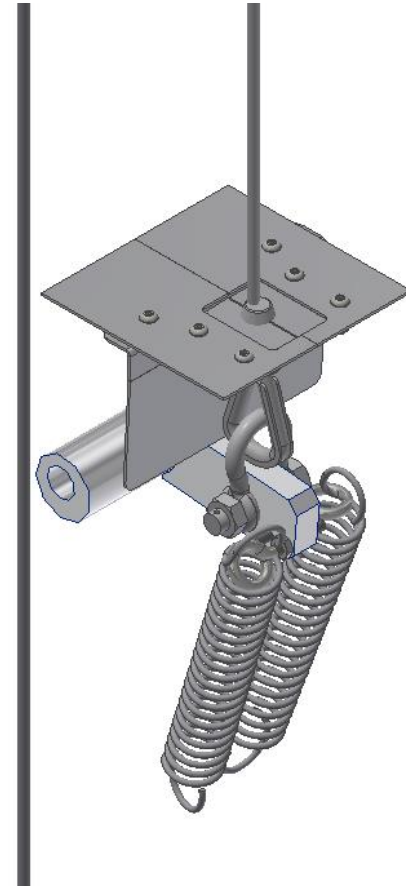
Safety Signs

- New safety signs according to the standard: ISO 2864-2: 2004



Kits For New Assembly

- TE10-AS0007-00 retrofit kit for new brake and cable assembly
 - Refer to assembly drawing for installation instructions
 - Parts included:
 - Brake
 - Brush kit
 - Cable guard
 - Cable
 - Shackle
 - Springs
 - Eye bolt for spring mounting
 - Safety signs



Kits For New Assembly

- TE10-AS0009-00 new brake test kit
 - Refer to user manual for full test procedure

