

# APTS status report

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IFSTTAR



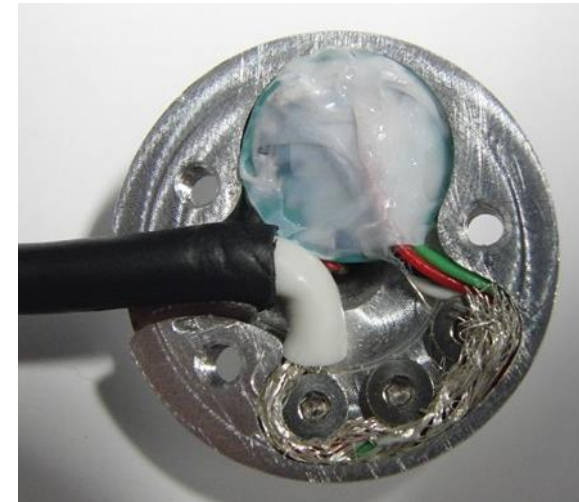
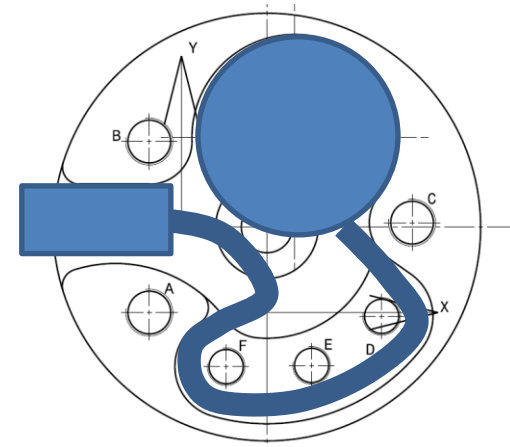
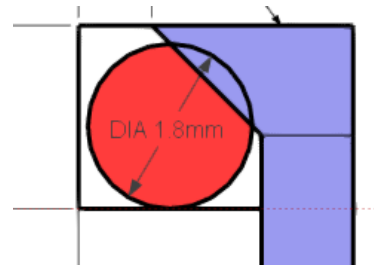
# New APTS version / evolution

- New: 30mm (Q1.5)
- Cap Update: 50mm (Q3, Q6, Q10)
- New cap: common to all sizes



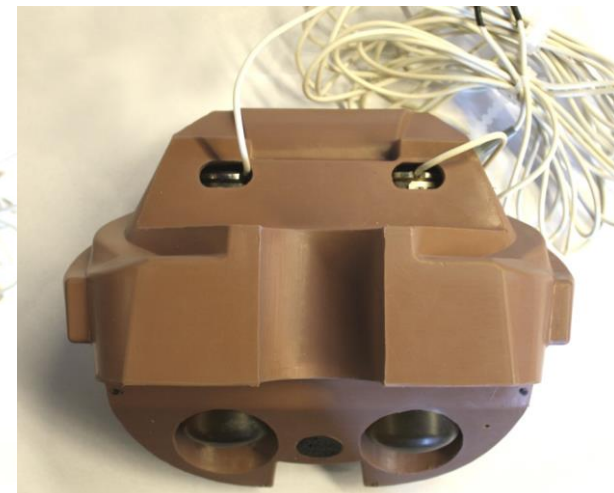
# Improvements

- Cable path/output: improved for resistance, managing failure point, etc
- Sealing to prevent small leaks...
- Filling procedure



# Integration

- Q1.5: abdomen drilled
  - Calibration tests before full dummy tests
- Humanetics: Q10 production model...
  - Tests upcoming at Humanetics USA



Photos provided by Humanetics



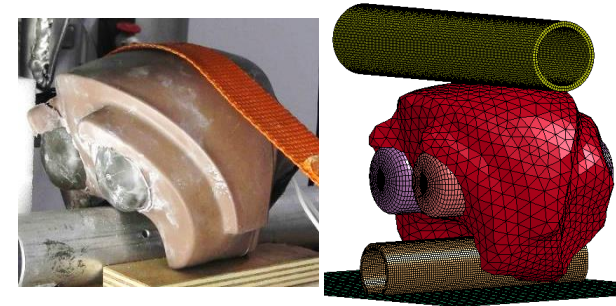


# APTS perspectives

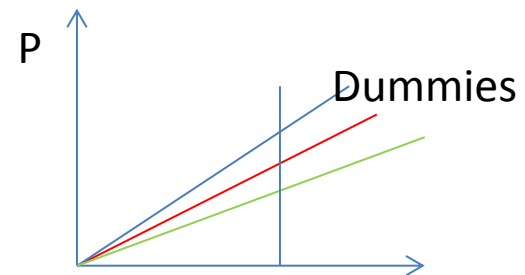
- Q1.5: experimental validation
- Continue on integration, calibration, manufacturing (with Humanetics & LIER)
  - Q10: investigating possible contact during dummy flexion: Humanetics performing simulation work. Sensors can be shortened if needed
- Tolerance:
  - Q task force will add points (Q10, ...)
  - Work ongoing too (scaling by compression, other loading modes...)



Q10 model (Humanetics)



Ifsttar



Force or penetration



– In connection with EEVC