

ETM Controls Prototype Catcher Jig: Design Brief

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Design and develop a “Catcher Jig” for use in the Quad Controls Prototype.

The “Catcher Jig” shall perform the following functions:

- Define the position of two 40kg metal/composition masses relative to each other, and the rest of the structure
- Simplify the process of joining of the masses
- Rigidly clamp and protect the joined assembly (masses, ears and fibres) during transportation, and installation
- Provide the facility to catch masses in the event of a major failure in the suspension chain
- Restrict exaggerated motion caused by extreme excitation of the suspension chain
- *To become* the lower portion of the ETM structure once fully installed, or *to become a major part of* that lower structure*