

PMA support requirements for transport

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Introduction

- The PMA shipping configuration is based on a PMA shipment from Harris to Coherent in 2016. The shipping method was discussed and agreed with the TMT Optics Group.
- TMT QA was present during packing at Harris. The photos on the following pages were made by Scott Shankle.

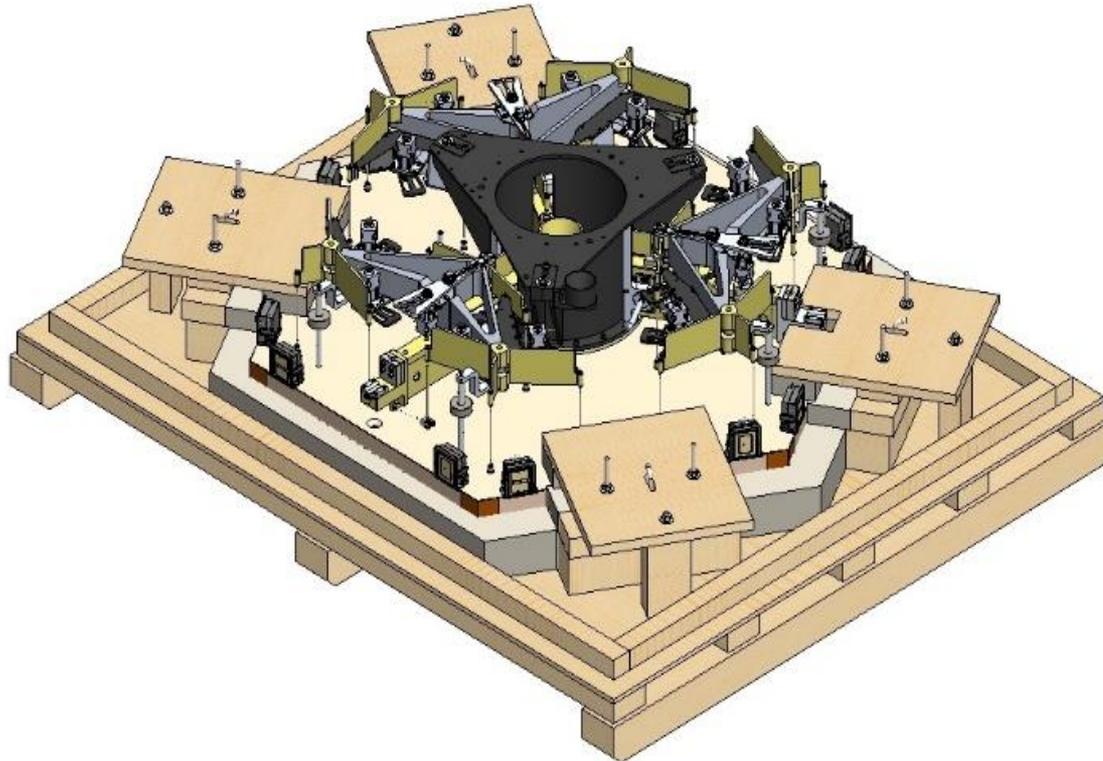
Clear anodized
Leaf Spring

Support requirements

- The PMA is supported on the glass segment (face down).
- The surface of the glass shall be protected with a strip coating or similar (TBD).
- The PMA shall be axially supported on
 - Top Layer: ¼” thick Crown UP-33-RMA-7-IF-072 medium density (8.5 lbs/ft) latex foam
 - Bottom Layer: 50 mm or 2” thick hard foam (closed cell)
- The PMA shall be axially constrained by wooden blocks (with latex foam). A top clamp shall be installed to prevent vertical displacement.

Support description

- ◆ Principle of PMA support for transport



Support description

- ◆ Foam support for segment



Support description

- ◆ Lateral supports for segment with latex foam between segment and wood block



Support description

- ◆ Top clamp (with latex foam between segment and wood block)



Support description

- ◆ Segment lateral supports installed

