

All about DOLLIES

Listed below are selected highlights on Dollies from 500-PG-8715.1.2A AETD Safety Manual and 540-PG-8700.2.1A Design of Dollies, Stands, and Spacecraft Shipping Containers. The second document applies only to the equipment designed by Code 540 MSD personnel and these highlights will be designated by **. This is not a complete listing of Dolly requirements.

1. Dollies are a type of MGSE that uses manual, electrical and/or hydraulic power to support and/or orient a payload, test article, or fixture. They are also usually intended to be moved throughout the facilities on casters or air-bearing support assemblies and to be raised or lowered with Jacks.
2. Employees who work with Dollies shall inspect the equipment before use to verify it is in proper working condition and shall be familiar with the equipment's proper operation.
3. All Dollies shall be properly certified by the Project Manager. Certification must include a stress analysis. All movable structures shall have a stability analysis.
4. New or modified Dollies, stands, and non-commercial tables used for critical hardware require a proof test of a least 125% of the rated load, followed by a surface examination of critical welds.
5. New or modified Dollies, stands, and non-commercial tables used for critical hardware and designed by GSFC Code 540 may require a proof test of up to 200% of the rated load, followed by a surface examination of critical welds.**
6. Dollies, stands, and non-commercial tables used for critical hardware and designed by GSFC Code 540 may require a periodic proof test every 4 years of up to 200% of the rated load, followed by a surface examination of critical welds.**
7. After proof testing Dollies shall have affixed a certification tag. Tagging requirements are identified in the Safety manual.
8. When moving Dollies through the facilities, the user shall contact facility personnel to discuss floor loading limits.