

NASA has a requirement for an air bearing skid system to support static testing and equipment handling of the Ground Test Article (GTA).

**Item Description:** Air Bearing Skid System (also known as air skid, air caster, air bearing load mover)

**Quantity:** 1 system shall consisting of the following (at a minimum)

- 4 independent air bearing skid units (approx. size: 25" x 25" x 4")
- 1 standard four port control manifold
- 1 "dead man's" pendant, pilot operated valve
- 1 Supply hose assembly
- 4 hose assemblies to connect skids to manifold
- 1 set of Operating and Maintenance manual

**Specification:**

- Minimum system load rating of 40,000 lbs. ( 10,000 lbs. per individual skid)
- Minimum controller air inlet size is 3/4" NPT
- Minimum "dead man's" pendant air inlet size is 3/4" NPT
- Minimum lift per skid is 0.25 inches
- System air requirement: 90 psi @ 80-100 SCFM
- Air flow rate of 20-25 cubic feet per minute (CFM) per skid
- Minimum load contact area of 6" x 6"
- All air connections to be outfitted with "quick disconnect" fittings
- Supply hose assembly to be 3/4" x 80 feet
- Skid hose assembly to be a minimum of 15 feet in length (manifold to skid)
- Skid material to be steel.