



## Shock & Vibration Simulation Pack - Drone Mount Test (FEA Files)

### Description

We made this **Drone FEA Simulation Pack** for engineers and UAV developers who need to run quick, reliable structural tests without building simulation environments from scratch.

This downloadable pack includes ready-to-run simulation files for **shock, vibration, and modal frequency analysis** since we design it for drone frames and payload mounts. You'll receive FEA models compatible with **SolidWorks Simulation** and **ANSYS Workbench**, complete with pre-defined boundary conditions and editable load settings.

### Key features of this drone FEA simulation pack:

- Realistic drop shock simulation up to 10G
- Vibration mode shape detection
- Modal stress mapping on mounting zone
- Optimized for lightweight UAV structures

This simulation kit helps improve drone reliability, reduce testing time, and optimize frame geometry before physical prototyping. It's ideal for applications in **mapping drones, inspection UAVs, defense platforms, and R&D environments**.

### Deliverables:

- SolidWorks Simulation (.SLDPRT + Study)
- ANSYS Workbench Project (.wbpj)
- Visual summary of results (PDF)
- Editable input parameters
- License agreement

This drone FEA simulation pack is trusted by aerospace engineers and rapid prototyping teams alike. It's your shortcut to validated structural testing with minimal setup time.

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