

| | A | B | C | D | E |
|---|-------------------|----------|------------------|------|-------------------|
| 1 | Iteration | Mass (g) | Max Stress (MPa) | FOS | Displacement (mm) |
| 2 | Normal (Baseline) | 75.78 | 108.5 | 5.71 | 0.0695 |
| 3 | Topology v1 | 51.17 | 129 | 4.8 | 0.087 |
| 4 | Topology v2 | 46.07 | 134 | 4.63 | 0.104 |
| 5 | Topology v3 | 45.21 | 146 | 4.24 | 0.107 |
| 6 | Topology v3 | 43.28 | 146 | 4.24 | 0.112 |
| 7 | Topology v4 | 35.78 | 188 | 3.29 | 0.131 |
| 8 | Final Design | 25.49 | 228 | 2.72 | 0.189 |
| 9 | | | | | |

| G | H | I | J | K |
|------------------|--------|----------------|-------|--------|
| Iteration | Mass ↓ | Remaining Mass | FOS ↓ | Disp ↑ |
| Baseline → Final | -66% | 33.60% | -52% | 1.72 |