

SimOps Structural Report

Component: Cylinder

FAILED

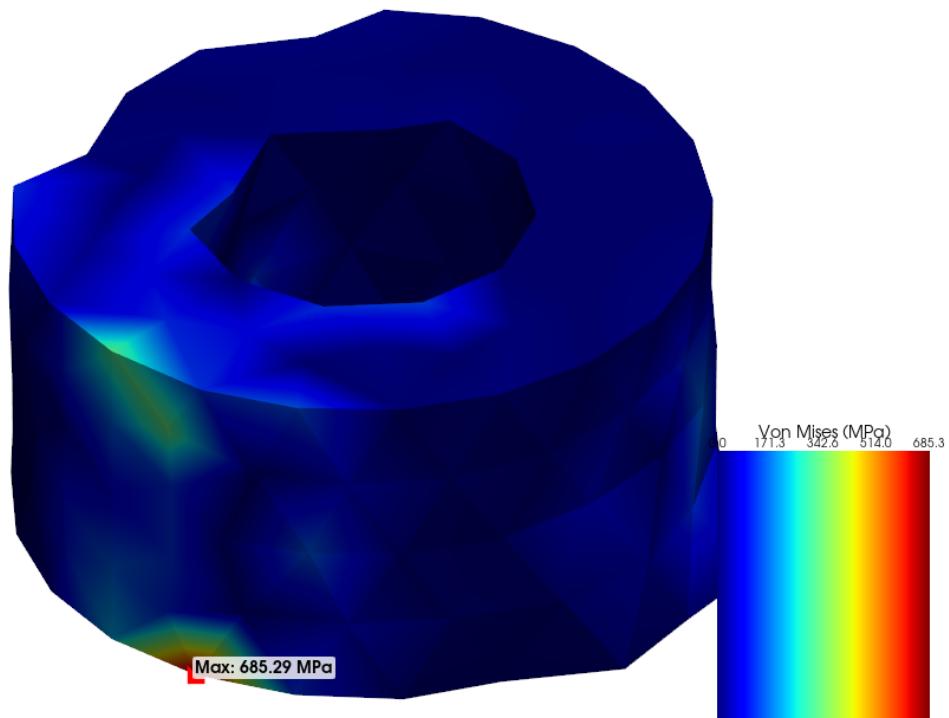
Date: 2025-12-27 19:50

Analysis Metrics

| | |
|-----------------------|-------------|
| Strategy: | Default |
| Load Case: | 1.0G Z-Load |
| Max Von Mises Stress: | 685.29 MPa |
| Max Displacement: | 99.93 um |
| Safety Factor: | 0.40 |
| Elements: | 639 |
| Nodes: | 1,311 |

Stress Distribution

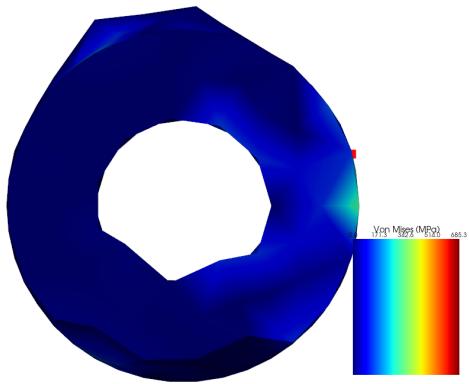
Static Structural: 1G Z-Load (Iso View)



Additional Views

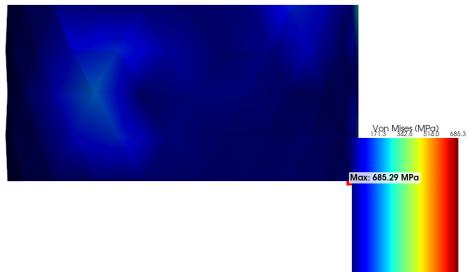
Top

Static Structural: 1G Z-Load (Top View)



Front

Static Structural: 1G Z-Load (Front View)



Side

Static Structural: 1G Z-Load (Side View)

