

SimOps Structural Report

Component: Cylinder

Date: 2025-12-27 20:01

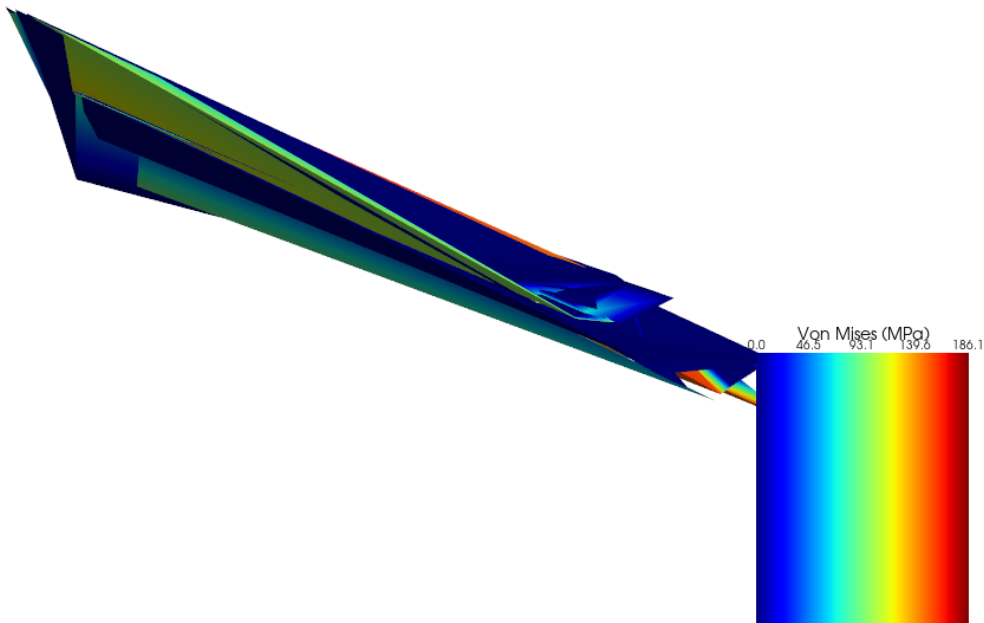
PASSED

Analysis Metrics

Strategy:	Default
Load Case:	1.0G Z-Load
Max Von Mises Stress:	186.11 MPa
Max Displacement:	92.5976 mm
Safety Factor:	1.48
Elements:	635
Nodes:	1,307

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)



Max: 186.11 MPa



Side

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

