SimOps Structural Report

Component: Cylinder
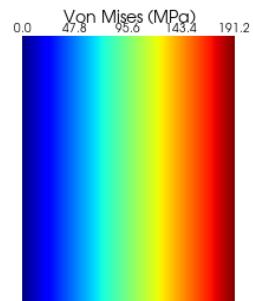Date: 2025-12-27 19:05

Analysis Metrics

Strategy:	Default
Load Case:	1.0G Z-Load
Max Von Mises Stress:	191.21 MPa
Max Displacement:	45490999999999997631652230719230646253254650744635566274361506
Safety Factor:	1.44
Elements:	642
Nodes:	1,316

Stress Distribution

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

Von Mises (MPa)
0.0   47.8   95.6   143.4   191.2

Additional Views

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

Von Mises (MPa)
0.0   47.8   95.6   143.4   191.2

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

Von Mises (MPa)
0.0   47.8   95.6   143.4   191.2

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

Von Mises (MPa)
0.0   47.8   95.6   143.4   191.2