

Simulation of Visagra

Date: martes, 4 de marzo de 2025

Designer: Solidworks Study name: Static 1
Analysis type: Static

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Material Properties

Model Reference	Prop	erties	Components
	Default failure criterion: Yield strength: Tensile strength: Elastic modulus: Poisson's ratio:	0.29 7,900 kg/m^3 7.7e+10 N/m^2	SolidBody 1(Cut- Extrude1)(Part1)

Loads and Fixtures

Fixture name	Fixture Image	Fixture Details	
Fixed-1		Entities: 3 face(s) Type: Fixed Geometry	
Resultant Forces			

Components	Χ	Υ	Z	Resultant
Reaction force(N)	8.65758e-06	49.0332	1.23619e-06	49.0332
Reaction Moment(N.m)	0	0	0	0
Reaction Moment(N.m)	0	0	0	(

Load name	Load Image	Load Details
Force-1		Entities: 1 face(s) Type: Apply normal force Value: 5 kgf

Mesh information

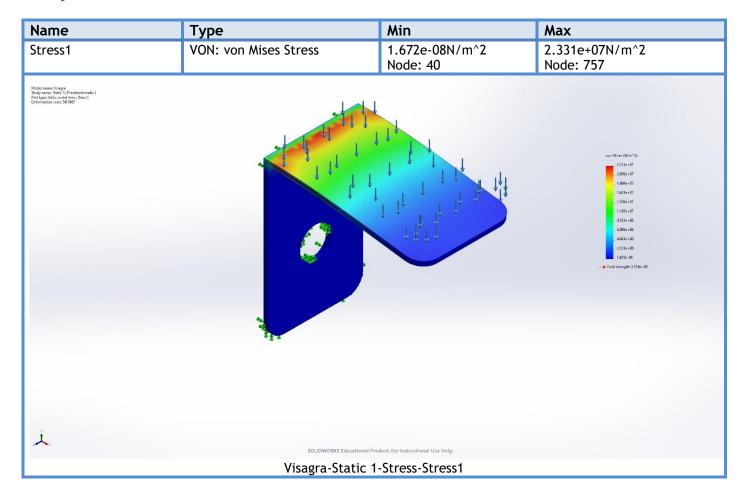
Mesh type	Solid Mesh
Mesher Used:	Blended curvature-based mesh
Jacobian points for High quality mesh	16 Points
Maximum element size	4.6674 mm
Minimum element size	3.21889 mm
Mesh Quality	High

Mesh information - Details

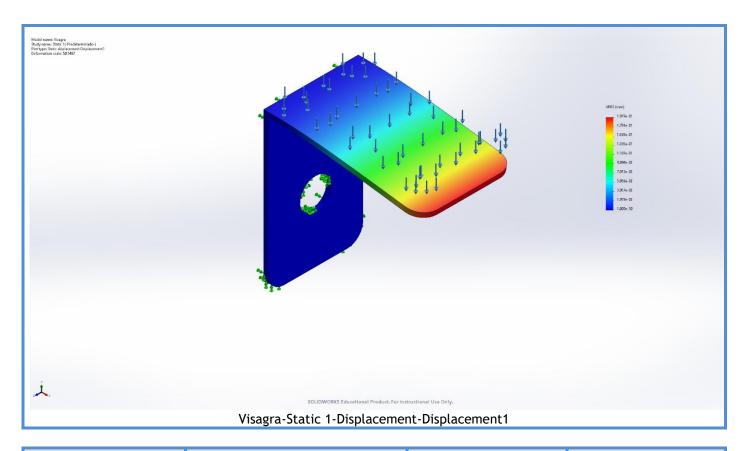
Total Nodes	7491
Total Elements	3559
Maximum Aspect Ratio	4.8893
% of elements with Aspect Ratio < 3	99.5
Percentage of elements with Aspect Ratio > 10	0
Percentage of distorted elements	0
Time to complete mesh(hh;mm;ss):	00:00:01
Computer name:	LUCO

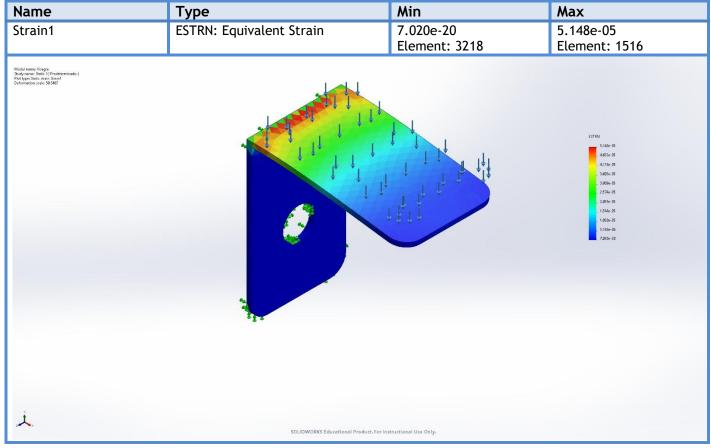


Study Results



Name	Туре	Min	Max
Displacement1	URES: Resultant Displacement	0.000e+00mm Node: 1	1.979e-01mm Node: 6953





Visagra-Static 1-Strain-Strain1

