Disclaimer: This is just a general process, your needs may vary based on many different criteria.

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Setu Work y	p our way through the simulation tree.
	Apply your materials Define element types Add contacts Add connectors Add loads Add fixtures Create a draft quality mesh and run
	ability issues:
	Use soft springs or inertial relief in order to get the software to solve Look for missed contacts or fixtures and add them Turn soft springs or inertial relief off and attempt rerun, repeat if not solved
For er	rors:
	Use the SolidWorks knowledge base to look them up Contact your VAR, Graphics Systems number is 800-454-CADD
	ck Aspect Ratios our draft run is successful, check the details under the mesh section in the simulation tree.
	Check that the percentage of elements with an aspect ratio < 3 is over 90%, if complex geometry use 80% Check that percentage of elements with aspect ratio > 10 is less than 5% If the aspect ratios lie outside of these values, use the mesh plots to determine if you need a global mesh refinement or if you need to apply local mesh controls to improve the values
Run	High Quality Analysis Run an analysis with high quality elements Create plots as necessary with sensors defined in areas of interest for easy tracking of critical values during convergence
	ck Convergence ed to check that the problem has become independent of the mesh size.
	Loop through mesh refinements, successive runs should double the number of nodes as a general rule Calculate the change in values between successive runs, typically 2%-5% for a general rule is considered converged and is adequate for design purposes with appropriate



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