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# Example of Mechanical Designer Job Description

Our innovative and growing company is looking to fill the role of mechanical designer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for mechanical designer

* Calculate dimensions, allowances, and specifications per standard procedures or general design knowledge of shop capabilities when standard procedures do not exist
* Recommend and/or develop new procedures to improve the efficiency of the design and/or detailing process
* Utilize Solidworks (or other 3D modeling software) to perform engineering and design tasks
* Participate in design and engineering solutions, including applications, mechanical, manufacturing, quality and safety
* Design according to ASME 14.5 (GD&T) standards
* Provide controlled drawings to Purchasing upon request
* Travel to site location when necessary to meet with customers or provide instruction to installation crews or to trouble shoot any problems
* Support lead engineer in assessing customer & legal requirements, in identification of gaps
* Works closely with engineers and technical personnel
* Research and development of new products to meet market and customer needs

## Qualifications for mechanical designer

* Must be highly creative, strong attention to detail, organized, self-motivated, ability to multitask efficiently and able to work independently with within cross functional teams
* Degree in Mechanical Engineering or Engineering Technologist
* Focus on safety at work
* 3 to 5 years of related design experience
* Proficiency in AutoCAD and SolidWorks software required
* Evaluate different concepts (own, competitors, suppliers) to find best cost option using DFA & 6sigma methods