









Advanced Wildfire Hose Clamp

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Based on our testing, we found that our calculations were correct, but our clamp did not meet our engineering specifications. Our design could not perform better than the Timberline clamp mainly due to leakage, poor mechanical advantage, and large tolerance stack-up. Nevertheless, some successes include our locking mechanism and strength and stiffness as expected. If this project is continued next year, the new team should focus on more robust stakeholder research and improving the Timberline design itself.

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