

## EGG 102.2 – Introduction to Engineering Design (Spring 2002)

### HOMEWORK #4: Due Friday, February 22<sup>nd</sup>

---

#### Assignment:

1. Obtain all the data for the Kwik-Lok failure tests. You should have 17 different values for each product.
2. Summarize the data in an Excel spreadsheet. You should end up with three data sets (one for each product). The spreadsheet should have a proper format and be presentable in a report (you will learn how to format Excel spreadsheets in the lab next week). You should place it inside the document you type for this homework assignment.
3. Calculate the Mean, Mean and Standard Deviation of each data set.
4. Which product was able to withstand the most bends? Why was this product better than the others?
5. Which product had the largest standard deviation? Discuss possible reasons why the standard deviation was high for this product?
6. What are some variables or conditions that could influence the test results?
7. Email me this assignment in MSWord format by 5PM by Friday, February 22<sup>nd</sup>.