

 The concept of a screw thread first occurred in the third-century by the mathematician Archimedes who wrote briefly on spirals and invented simple device applying the screw principle.



- Threads and fasteners are the principal fastening devices used for assembling component parts.
- The shape of the helical thread is called the <u>thread form</u>.
- The <u>metric thread</u> form is the international standard, although the <u>unified thread</u> form is common in the United States, Canada and Great Britain.

Threads

• In the early times, there was no such thing as standardization. Nuts and screws made by one manufacture would not fit with other manufacturers.



- It wasn't until after World War II and so many obstacles and inconveniences with allies productions of equipment that the Americans, British and Canadians decided to agree on a unification of screw threads. (Unified Screw Thread)
- In 1946 an International Organization for Standardization (ISO) committee formed to establish a single international system of metric screw thread forms

Threads

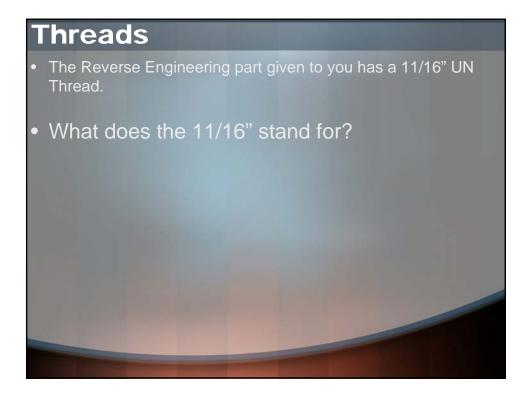
 The Reverse Engineering part given to you has a 11/16" UN Thread

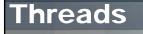


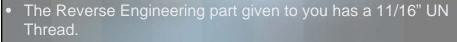


- The Reverse Engineering part given to you has a 11/16" UN Thread.
- What does UN stand for?

<u>UN= Unified Thread</u>, the standard thread agreed upon to be used in the U.S., Canada and Great Britain.







• What does the 11/16" stand for?

<u>11/16</u> The Major Diameter of the screw thread.

...But what the "Major Diameter" ???

