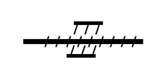
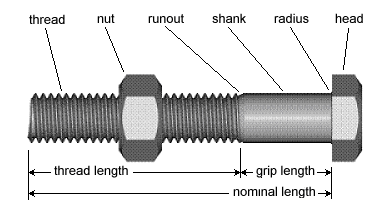
**Screw Gear Systems**

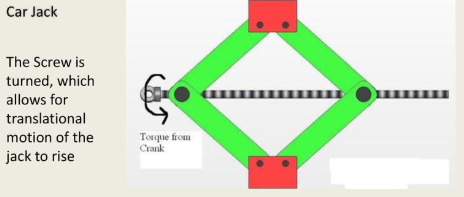
* contain a **SCREW** and a **NUT**
* the threads of the screw and the nut must match

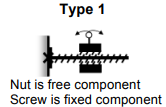
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**Screw Gear System Type 1**

* the screw is the driver
* transforms rotational motion into translational motion
* has the nut connected to the screw so the nut cannot rotate
* e.g. jack to lift a car





**Screw Gear System Type 2**

* the nut is the driver
* transforms rotational motion into rotational motion
* has the nut fixed so that its possible motion is rotational
* e.g. wrench

