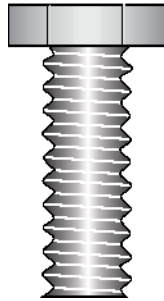


Overview of Threads 150

1. Bolts are used to join materials together either permanently or temporarily. Many steel structures, including buildings, bridges, frames and others, are simply bolted together. Bolts used in manufacturing are often classified by their characteristics. Using the image of the bolt below, identify and label: the *crest*, the *flank*, the *pitch*, and the *root*.



2. Identify the shapes of the thread and explain a use for it. Provide a brief explanation of why this thread type would be preferred over other thread types of the identified use.



3. Identify the shapes of the thread and explain a use for it. Provide a brief explanation of why this thread type would be preferred over other thread types of the identified use.



4. Identify the shapes of the thread and explain a use for it. Provide a brief explanation of why this thread type would be preferred over other thread types of the identified use.



Image source:Okuma. (n.d.). About Thread or what is meant by thread. Retrieved from [http:// okumacnc.blogspot.com/2011/06/about-thread-or-what-is-mean-by-thread.html](http://okumacnc.blogspot.com/2011/06/about-thread-or-what-is-mean-by-thread.html).



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