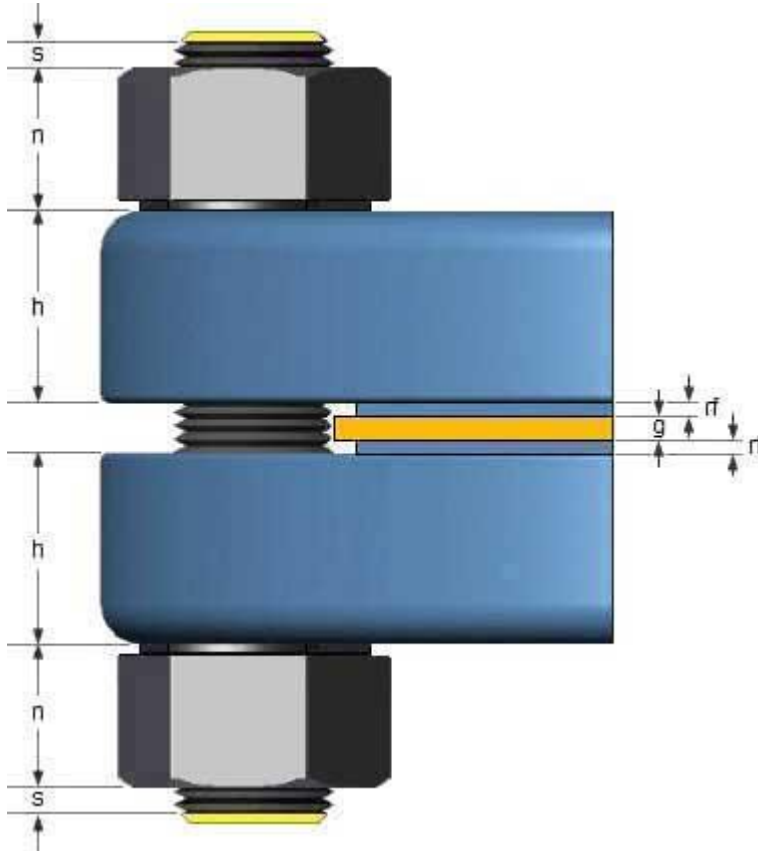


Method for calculating Stud Bolt length

The Stud Bolt theoretical length can be calculated by means of the formula:

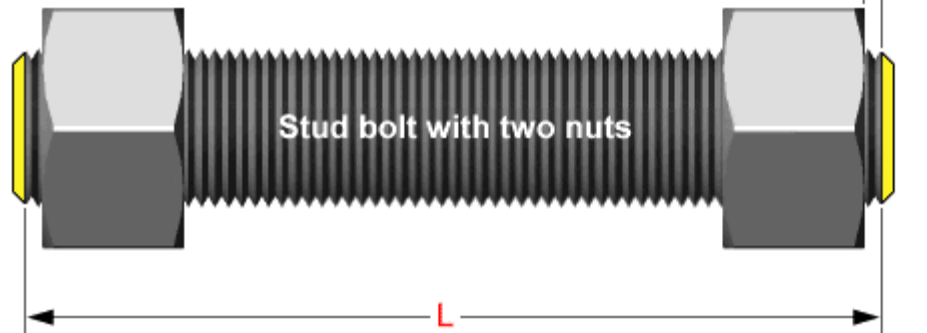
$$L = 2 (s + n + h + rf) + g$$



- **s** free threads (equals 1/3 time bolt diameter)
- **n** nut height (equals nominal bolt diameter)
- **h** flange (plate) thickness
- **rf** height of raised face
- **g** gasket thickness

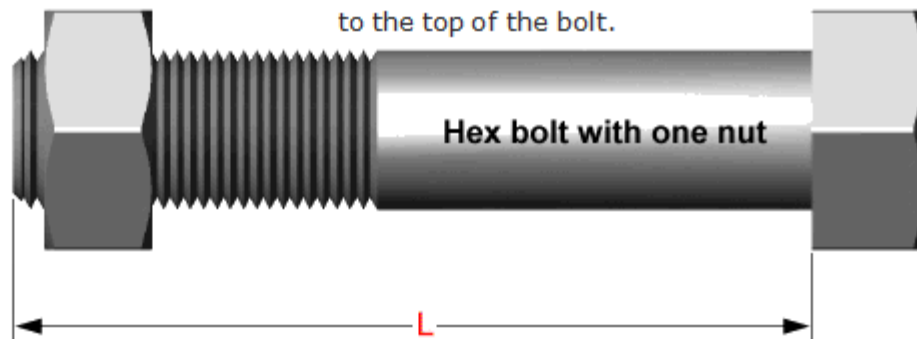
The height of a nut for a Stud Bolt is the same as the diameter of the thread rod

Studs are measured parallel to the axis (L)
from the first to the thread without the chamfers (points).



*S = free threads
equals 1/3 time bolt dia*

Hex bolts are measured from under the head
to the top of the bolt.



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