

To Determine the Size of a Bolt

First measure the diameter.

Diameter is in either *Inches* (not decimal) or *Millimeter*.

Second measure the pitch

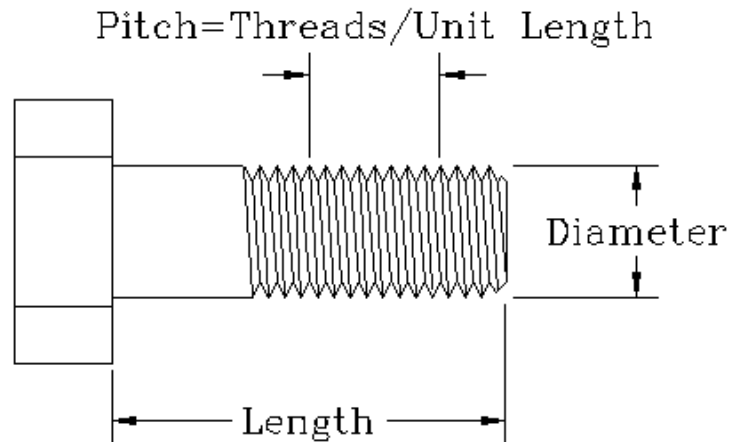
Pitch is threads / per unit.

Inches are measured threads per inches.

Metric are measured thread per millimeter.

Third measure length

Length is measured from behind the head to end,
(except for flathead is measured total length) .



Example: SAE , 1/4 - 20 X 1 1/2 Metric, M 6 X 1.0 X 35

Notes on SAE bolts:

- Bolt diameters under a 1/4" are in *number* sizes from 0 to 12
 - To find the diameter of these use this formula:
 $Number \times .013 + .060 = \text{Diameter}$
- Bolt diameters between 1/4" and 5/8" come in 1/16" increments
- Bolt diameters between 5/8" and 1 1/2" come in 1/8" increments
- The lengths of small bolts (< 1/2") come in 1/8" increments
- The lengths of large bolts (> 1/2") come in 1/4" increments