

“Bolt specification”

“1/2–13 UNC–2A Heavy Hex Bolt”

“Nominal diameter”

$$d_{\text{nominal}} := \frac{1}{2} \cdot \text{in}$$

“Threads Per Inch”

$$N_{\text{threads}} := 13 \cdot \frac{1}{\text{in}}$$

“Thread Pitch”

$$P := \frac{1}{N_{\text{threads}}}$$

$$P = 0.077 \text{ in}$$