

DIÂMETROS DE FURO PARA ROSCAR

RECOMMENDED DRILL HOLE SIZE FOR THREADING

Diâmetro do Furo Drill Hole Size

O diâmetro do furo afeta substancialmente as operações de rosqueamento.

The drill hole diameter substantially affects tapping operations.

Fórmula Formula

$$\text{Porcentagem do engate da rosca} = \frac{\text{(diâmetro externo da rosca)} - \text{(diâm. do furo)}}{\frac{2 \times \text{(altura básica do filete)}}{2 \times \text{(basic height of thread engagement)}}} \times 100$$

Percentage of thread engagement = $\frac{\text{(basic major dia. of external thread)} - \text{(drill hole diameter)}}{\frac{2 \times \text{(basic height of thread engagement)}}{2 \times \text{(basic height of thread engagement)}}} \times 100$

Devido o D1 da rosca interna ser igual ao diâmetro do furo, o diâmetro da broca é calculado conforme a seguinte fórmula (para rosca Métrica e Unificada):

Because the minor diameter of the internal thread is equal to the drill hole diameter, the drill diameter is calculated using the following formula (Metric and Unified Thread).

Fórmula Formula

$$\text{Diâmetro do furo} = d - 2 \times (0,541266P) \times$$

Drill hole diameter

$$\left(\frac{\text{Porcentagem do engate da rosca}}{\text{Percentage of thread engagement}} \right) \times 100$$

d: Diâmetro externo da rosca (mm) d: Major Diameter of external thread (mm)

P: Passo (mm) P: Pitch (mm)

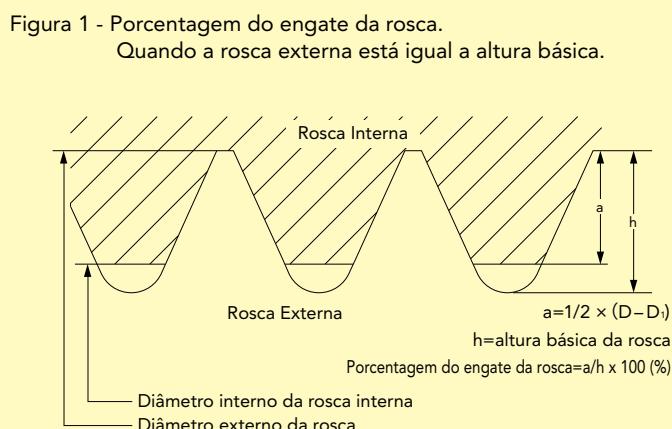


Figure 1 - Percentage of thread engagement
When external thread profile is equal to basic profile

