### Diesel Hammer Energy Output and Pile Bearing Chart

**APE Model D100-42 Diesel Impact Hammer**

The energy output is based on the identical Piston/Travel calculations utilized in the FHWA Gates Formula. The pile bearing chart is based on the FHWA Gates Formula for pile bearing and is provided for the user's convenience only.

\[
Pile\ Bearing\ (tons) = \frac{(1.75 \times \sqrt{E} \times \log_{10} 10N - 100)}{2000}
\]

*Measured in Tons*

**Blows (per minute)** | **Energy (ft-lbs)** | **Pile Set (Blows per inch)**
---|---|---
2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

**Blows (lbs): 22,050**

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**APE has no preference for these particular formulas and calculations over any other.**