HIGH STRAIN

PILE LOAD TEST

STRESS WAVE THEORY

ASTM/D4945 (2012)
Standard Test Methods for High-Strain Dynamic Testing of Deep Foundations

HSPLT will provide prediction on the pile load, pile integrity, driving stress and driving energy for a given pile penetration.

The well-known name is PDA with post analysis CAPWAP.

Test Tip

To obtain good data quality, the gauges location shall > 1.5D below pile head; where D: diameter.

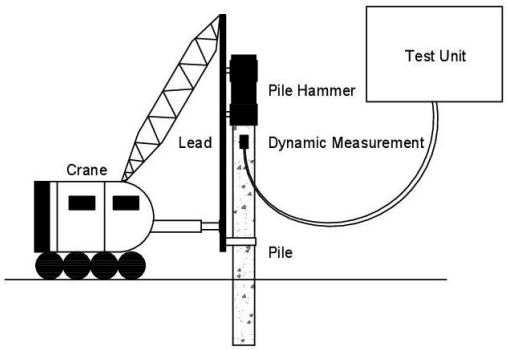
To obtain good data quality, Wr/Wp shall > 25%; where Wr: ram weight, Wp, pile weight.

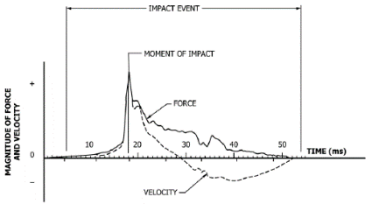
Be cautious of PDA/CAPWAP fake results. To cross check the results, scan the QR code.

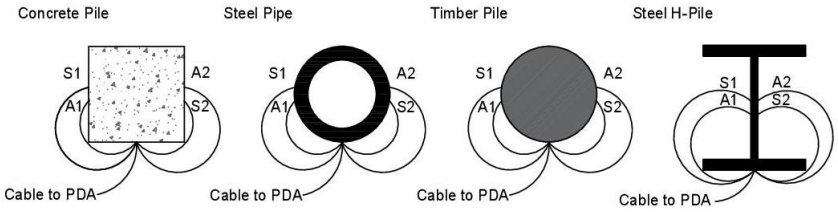
MRGEO 33 YLOAD

High-Strain Dynamic Pile Load Test

The High Strain Pile Load Tester (HSPLT) is a state-of-the-art testing equipment to perform high strain pile load test (HS) on deep foundation piles to measure force (F) and velocity (V) signal to determine pile load capacity base on CASE method (1960s) and YLOAD method (2000s).







High Strain Pile Load Test can be used to perform high strain pile load monitoring (HSPLM) to evaluate pile driving information for pile load, pile integrity, driving stress and driving energy against pile penetration.

*Pictures are from Internet