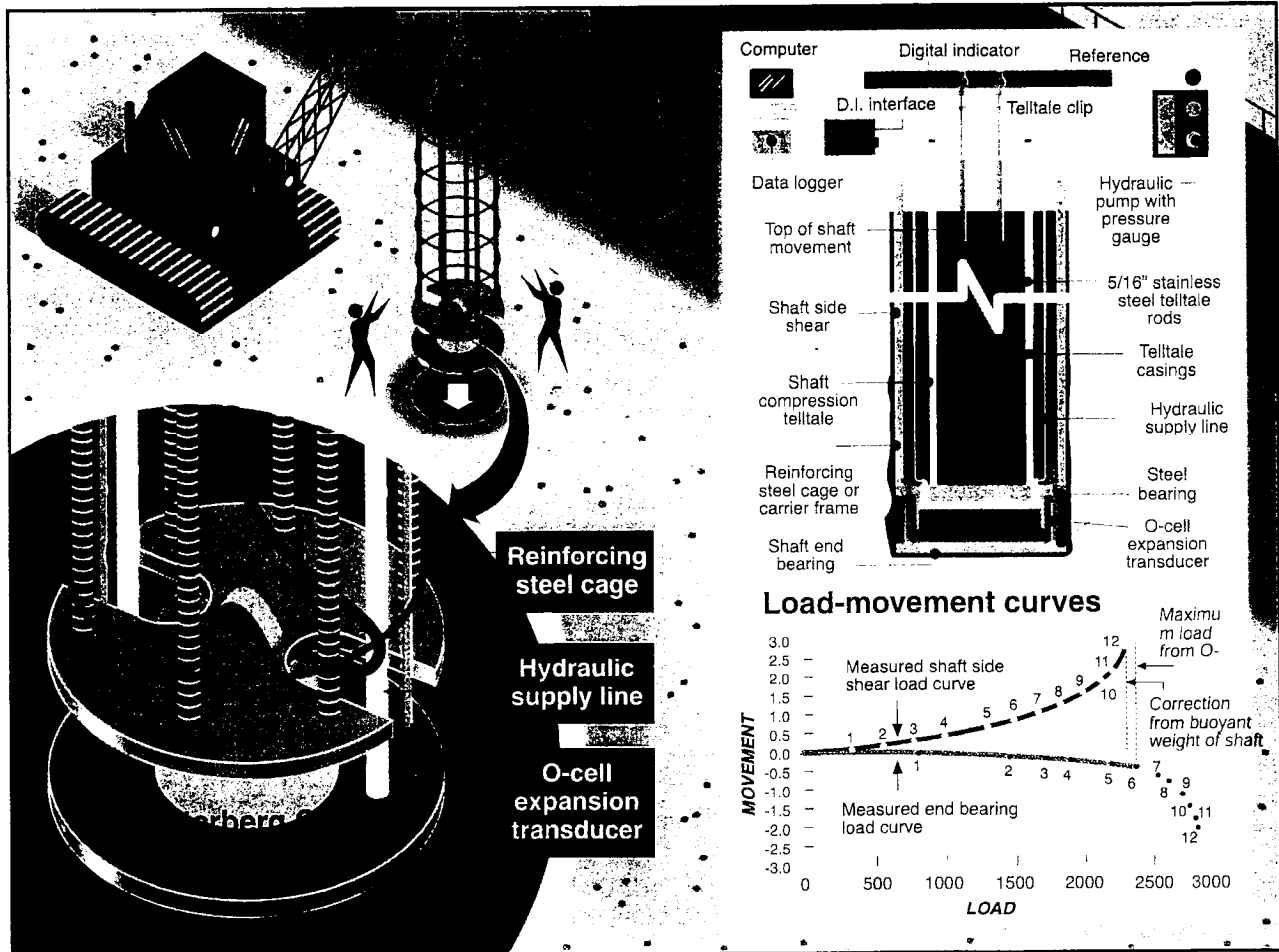


HERE'S HOW IT WORKS



High capacity load testing made simple

The O-cell™, from LoadTest Inc., Gainesville, Fla., is a hydraulically driven, high capacity, sacrificial jacking device installed within the foundation unit. Working in two directions, upward against side-shear and downward against end bearing, the O-cell automatically separates the resistance data. By virtue of its installation within the foundation member, the Osterberg Cell load test is not restricted by the limits of overhead structural beams and tiedown piles. Instead, the O-cell derives all reaction from the soil or rock system. End bearing provides reaction for the side shear portion of the O-Cell load test, and side shear pro-

vides reaction for the end bearing portion of the test. Load testing with the O-cell continues until ultimate size shear capacity is reached, ultimate end bearing capacity is reached, or the maximum O-cell capacity is reached. The O-cell comes standard with a 6 inch stroke but a 12 inch stroke can be special ordered.

Each Osterberg Cell is specifically designed to allow for direct measurement of the downward end bearing movement and the upward side shear movement. O-cells range in capacities from 0.5 MN (60 tons) to 27 MN (3000 tons). By using multiple O-cells on a single horizontal plane, the available

test capacity can be increased to more than 160 MN (18,000 tons). By using multiple O-cells on different planes, distinct elements within a shaft or pile can be isolated for testing.

Using the O-cell, LoadTest has elevated the application of deep foundation load testing from expensive, time-consuming small scale field tests, to state-of-the-art short duration full scale load testing of production shafts and piles.

For more information, contact LoadTest Inc. at 1-800-368-1138, or 2631-D NW 41st Street, Gainesville, Fla. 32606, e-mail: info@loadtest.com or visit www.loadtest.com.