

How To Test Concrete Poles

The pictures below show Decor Pole's standard destructive test procedure to determine the ultimate loading and sectional properties of a pre-stressed spun concrete pole. The amazing part of the test is that when the force is released, the pole returns to the original position-unharmed and ready for another load.

Décor Poles pre-stressing force is applied equally to the pre-stressing wires. We start with a minimum of four wires and can increase the strength with more and/or larger wires to meet customer requests for higher/specific loading criteria.

We spin at speeds designed to place over 35 times the gravity force on the concrete.

This spinning process:

- creates a hollow raceway
- guarantees proper concrete compaction
- results high density for maximum concrete strength per square inch
- eliminates air and water pockets, reducing porosity for protection against freeze/thaw effects.
- Leads to smoothest surface finishing which static cast can hardly achieve

The end result is a pre-stressed spun concrete pole with a life expectancy of over 80 years.

Décor Poles pre-stressed spun concrete poles are designed to take tough environmental punishment. Décor Poles design in conjunction with the latest SIRIM (Malaysian Quality Assurance Body) guidelines and test per the Malaysian Standard - MS 26 : Part 1:1991-UDC 691.32:620.1, as well as any other designs that may apply.

Décor Poles pre-stressed and spun concrete poles are protected with our unparalleled 20-year warranty with a re-installation rebate for poles that fail due to a manufacturing defect in the first five years.

Pre-stressed concrete lighting poles: the optimum in strength and long-lasting beauty.

Pole Before Bending Test



Pole During Bending Test



Pole After Bending Test
(Back to original position)

