

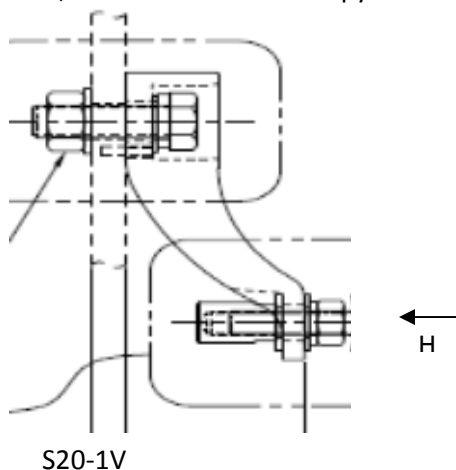
# TEST REPORT

**Tested by:** Ricky Lo, BAsC. – Materials Engineering

**Testing Location:** Powertech Labs Inc.

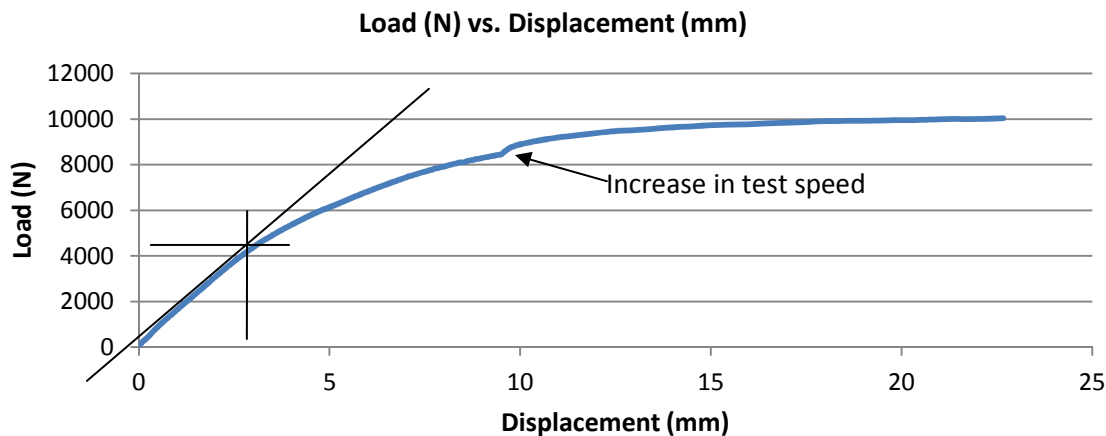
**Part:** S20-1V - Face Mounted Spider

The spider is tested with a horizontal load applied on one arm, which represents wind load in a wall application, or snow load in a canopy.



Test setup

## Test Results:



## Conclusion/ Observations:

The spider was tested to a load of 10 kN max.

The data curve shows first signs of yield occurring around 4.5 kN.

The speed of testing was increased halfway through testing at 10 mm.

Deformation is visible along all faces of the arm and base of arm.

