



ACE BACKSTAGE CO., INC.

STAGE POCKET SYSTEMS

LOAD TEST RESULTS

Estimated Loading Parameters:

In some commercial environments material handling equipment (fork lifts, and trucks, carts, automobiles, scaffolding, pianos, etc.) will need to move over the floor space where a floor pocket is in the floor, and over the floor pocket.

These load items are typically wheel or caster mounted. The load they present is in a roll over load, a momentary load, and or a long term parked load. These load items weigh a few hundred pounds to several thousand pounds. Generally the load is spread over several wheels or casters, each bearing only 1/3 or 1/4 of the gross load weight.

The test parameters assume that the load on the pocket lid would be a point load of one caster/wheel at any time and either momentary or parked in time duration.

Test Parameters:

1. The test is conducted on a 40,000 lb. press using a 2" diameter ram foot (3 sq. in. area) providing measured loads of plus/minus 100 lbs. applied to the foot of the ram.
2. Each Standard Pocket Lid Assembly and Standard Lid Bezel Assembly is tested for a momentary load, a 20 minute parked load, and a 45 minute parked load. Each timed test is preformed at load weights equal to 500 lbs, 750 lbs, and 1000 lbs applied at the center front edge.
3. Any permanent deflection in the lid is measured and recorded. If permanent deflection is measured greater than 1/16" (0.0625") the lid is failed for the test load and no further tests are applied.

MEASURED PERMANENT DEFLECTION



| LOAD (lbs) | MOMENTARY | | | 20 MINUTES | | | 45 MINUTES | | |
|---|-----------|--------|--------|------------|--------|--------|------------|--------|--------|
| | 500 | 750 | 1000 | 500 | 750 | 1000 | 500 | 750 | 1000 |
| STANDARD FULL POCKET 122SLXX | 0" | 0.031" | 0.15" | 0" | 0.038" | 0.155" | 0" | 0.045" | 0.16" |
| STANDARD HALF POCKET 123SLXX | 0" | 0" | 0" | 0" | 0" | 0.007" | 0" | 0" | 0.015" |
| STANDARD DOUBLE WIDE POCKET 124SLXX | 0" | 0" | 0.135" | 0" | 0.005" | 0.042" | 0" | 0.01" | 0.155" |
| STANDARD SUPER POCKET 132SLXX | 0" | 0.015" | 0.12" | 0" | 0.019" | 0.027" | 0" | 0.022" | 0.135" |
| STANDARD SUPER DOUBLE WIDE POCKET 134SLXX | 0" | 0.027" | 0.1" | 0" | 0.032" | 0.109" | 0" | 0.04" | 0.12" |

0.0625" is failed