

**The formula to determine the diagonal of a load  
(measurement from corner to opposite corner) is:**

$$\sqrt{A^2 + B^2}$$

**The square root of A (squared) + B (squared)**

**A = length of the load**

**B = width of the load**

**For a load size of 40" x 48" it would be:**

$$40 \times 40 = 1600$$

$$48 \times 48 = 2304$$

$$1600 + 2304 = 3904$$

**The square root of 3904 is 62.48".**

**This is the diagonal measurement of a 40" x 48" load.**

**Maximum diagonals for a standard:**

**2100-SRT = 70.7" (48" x 48" max load size)**

**LP-SW & HP-SW = 94.7" (67" x 67" max load size)**

**LP-SWA & HP-SWA = 90" (64" x 64" max load size)**

**For each 1 ft of base extension, you add 2 ft of maximum diagonal capacity:**

**70.7" max diagonal increases to 94.7"**

**90" max diagonal increases to 114"**

**94.7" max diagonal increases to 118.7"**

**NOTE: The LP-SWA and HP-SWA models are limited to only a one (1) ft. base extension and it is a factory quote.**