

## 13 - 15 JOHNSTONE ROAD BRENDALE QLD 4500

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## Phasing Cylinder Size Calculation Instructions

## **SELECTION OF CYLINDERS**

Formulae:

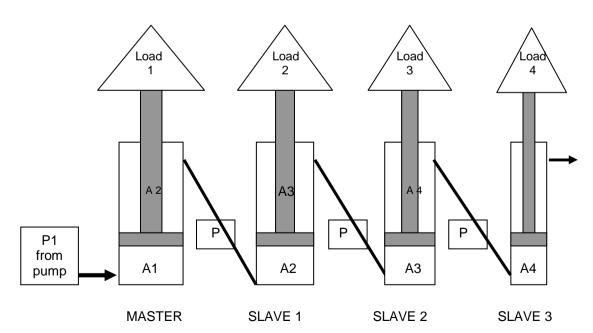
$$P1 = T1$$
:

$$P2 = T2$$
:

etc.,

where T1= L1+L2+L3+L4...., T2 = L2+L3+L4....etc.

A = Area: L = Load: P = Pressure: T = Total load acting.



**STEP 1:** Determine effective area A for largest (master) cylinder in series by formula:

$$A1 = L1 + L2 + L3 \text{ etc.}$$

**STEP 2:** Determine pressure in each cylinder starting with smallest cylinder using the formula.  $P = \frac{T}{A}$ 

**STEP 3:** Check that the pressure does not exceed system pressure. If P is excessive select a larger series of cylinders and recheck P