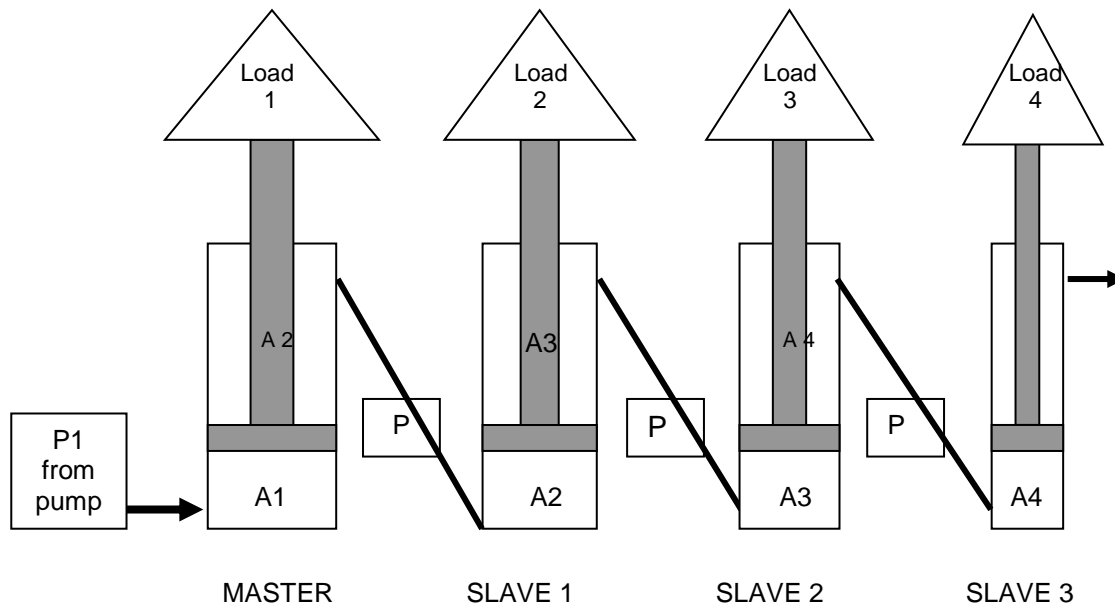# Phasing Cylinder Size Calculation Instructions

SELECTION OF CYLINDERS

Formulae: $P1 = \dfrac{T1}{A1}$: $P2 = \dfrac{T2}{A2}$: etc., where $T1 = L1+L2+L3+L4\ldots$, $T2 = L2+L3+L4\ldots$ 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:

$$A1 = \frac{L1 + L2 + L3 \text{ etc.}}{P1}$$

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

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