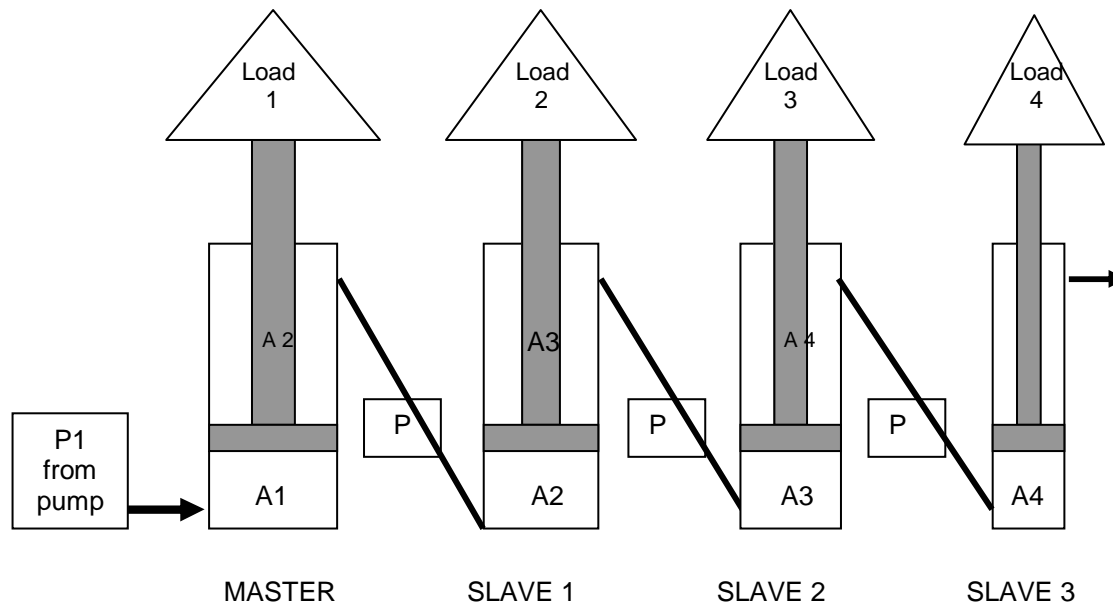


Phasing Cylinder Size Calculation Instructions

SELECTION OF CYLINDERS

Formulae: $P_1 = \frac{T_1}{A_1}$: $P_2 = \frac{T_2}{A_2}$: etc., where $T_1 = L_1 + L_2 + L_3 + L_4 \dots$, $T_2 = L_2 + L_3 + L_4 \dots$ 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:

$$A_1 = \frac{L_1 + L_2 + L_3 \text{ etc.}}{P_1}$$

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