

$$
\begin{aligned}
& \pm \sum F_{X}=0: \quad \text { (lip } \\
& -P+30+30-F_{B C}=0 \\
& F_{B C}=60-P \quad \sigma_{B C}=\frac{F_{B C}}{\pi(1.5)^{2}}
\end{aligned}
$$

$$
\frac{P}{\pi}=2 \cdot \frac{60-P}{\pi(1.5)^{2}}
$$

$$
\therefore P=\square \quad P=\square \text { kip }
$$

1 kip $=1$ keilopound $=1000$ pounds $\quad 1$ kip $=1000$ lb


