1.18


$$
\begin{aligned}
& \tau_{\mathrm{L}} \leqslant 180 \mathrm{MPa} \cdots \text { 隹 } \mathrm{ma} \\
& \tau_{a} \leqslant 70 \mathrm{Ma} \quad P=?
\end{aligned}
$$

Top view

(in) (N)
Pa
$\tau_{A}=\frac{P}{\pi(0.02)(0.01)}=180 \times 10^{6}$

$$
\therefore P=\square N
$$

$$
\tau_{a}=\frac{P}{\pi(0.04)(0.008)}=70 \times 10^{6}
$$

$$
\therefore P=\square N
$$

chose the smaller of the 2 ph as the answer.

