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Eq. 1 Pivot Arm Toggle Mechanism Calculator		
Input cells shown as blue		
clamping force $P =$	20.000	lbf ▼
length as indicated $l =$	3.000	in
length as indicated $l_1 =$	3.000	in
radius of pivot hole $r =$	0.250	in
vertical distance $h =$	1.500	in
coefficient of friction $f_o =$	0.100	-
coefficient of friction $f_f =$	0.100	-
Eq. 1, Calculated Results		
force applied $Q =$	42.281	lbf

Eq. 2, Pivot Arm Toggle Mechanism Calculator		
force applied $Q =$	42.281	lbf ▼
length as indicated $l =$	3.000	in
length as indicated $l_1 =$	3.000	in
radius of pivot hole $r =$	0.250	in
vertical distance $h =$	1.500	in
coefficient of friction $f_o =$	0.100	-
coefficient of friction $f_f =$	0.100	-
Eq. 2, Calculated Results		
clamping force $P =$	20.000	lbf

Eq. 3, Pivot Arm Toggle Mechanism Calculator		
clamping force $P =$	20.000	lbf ▼
length as indicated $l =$	3.000	in
length as indicated $l_1 =$	3.000	in
efficiency coefficient $n =$	0.970	-
Eq. 3, Calculated Results		
force applied $Q =$	41.237	lbf

Eq. 4, Pivot Arm Toggle Mechanism Calculator		
force applied $Q =$	41.237	lbf ▼
length as indicated $l =$	3.000	in
length as indicated $l_1 =$	3.000	in
efficiency coefficient $n =$	0.970	-
Eq. 4, Calculated Results		
clamping force $P =$	20.000	lbf