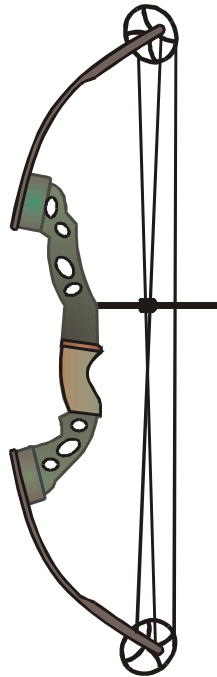
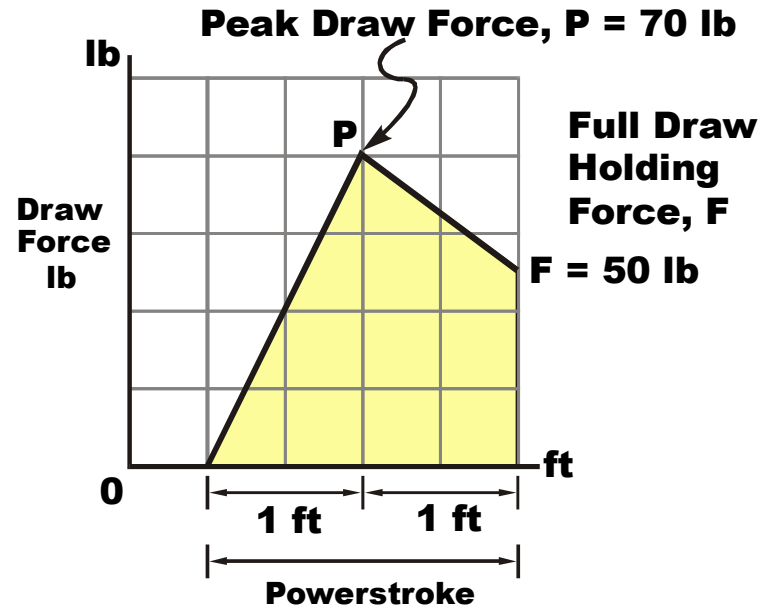


Particle Work Energy: Example Problem 5

A compound bow has a draw force vs. draw distance curve as shown below. If a bow hunter uses a 300 grain arrow and draws the bow back a full two feet, and if 65% of the stored energy in the bow is released to the arrow, determine: (a) The speed of the arrow as it leaves the bow; (b) An estimate of how far the arrow will travel.

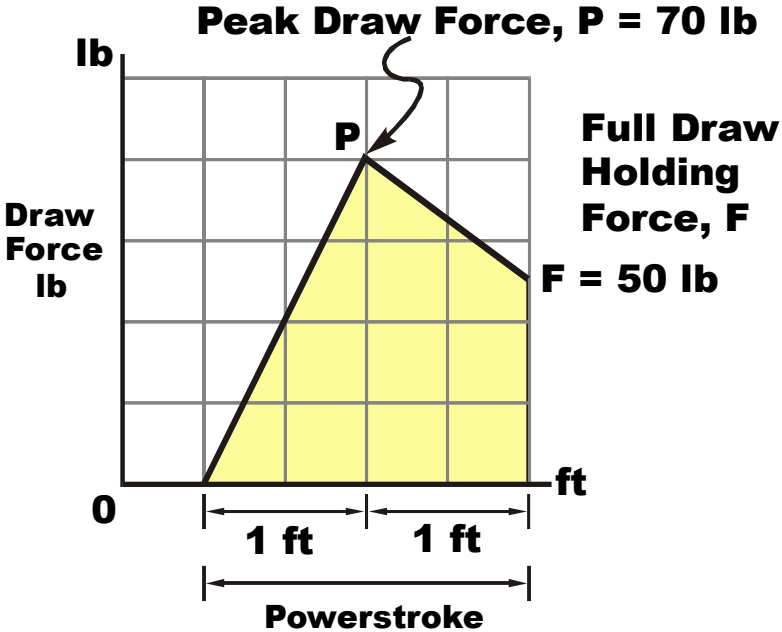


Compound Bow



Assume a 300 grain arrow.
(7000 grains/lb)

Compound Bow



Assume a 300 grain arrow.
(7000 grains/lb)

