What is claimed is:

1. A hydrostatic pressure intensifier, comprising:
a housing having at least two different internal cross-sectional surface areas, the housing comprising:
a device mounted on the housing and operable to actuate in response to being subject to a threshold amount of pressure;
a first piston housed in a first chamber of the housing, wherein the first piston has a first cross-sectional area and a first stroke length; and
a second piston housed in a second chamber of the housing, wherein the second piston has a second cross-sectional area and a second stroke length, and wherein the first cross-sectional area is greater than the second cross-sectional area;
a third chamber positioned between the first chamber and the second chamber, the third chamber separating the first piston from the second piston, the third chamber having a first portion in contact with the first piston and a second portion in contact with the second piston; and
a fluid flow restrictor that restricts fluid flow through the hydrostatic pressure intensifier to control an amount of force applied by the first piston.

2. The hydrostatic pressure intensifier of claim 1, wherein the third chamber is a fluid chamber that is partially filled with a fluid.

3. The hydrostatic pressure intensifier of claim 1, wherein the third chamber is an atmospheric chamber.

4. The hydrostatic pressure intensifier of any of claims 1-3, wherein the device is a check valve.

5. The hydrostatic pressure intensifier of any of claims 1-3, wherein the device is a rupture disk.

6. The hydrostatic pressure intensifier of any of the preceding claims, wherein the first piston and the second piston are mechanically linked, and optionally, wherein the first stroke length and the second stroke length are different.

7. The hydrostatic pressure intensifier of any of claims 1-6, wherein the first piston is a hydraulic piston and wherein the second piston is a hydrostatic piston.

8. The hydrostatic pressure intensifier of any of claims 1-6, wherein the first piston and the second piston are hydrostatic pistons, and optionally, wherein the first piston and the second piston are hydraulically activated.

9. The hydrostatic pressure intensifier of any of the preceding claims, further comprising an element retaining ring that retains an element while a pressure less than a threshold is exerted onto the element retaining ring, and optionally, wherein the third chamber is a fluid chamber that comprises an orifice that allows a fluid filled in the fluid chamber to flow through the fluid chamber, and into the second chamber to apply a pressure to the second piston.

10. A method to operate a tool to set a downhole element, the method comprising:
deploying a tool into a borehole that is drilled through a formation, the tool comprising:
one and only one device mounted on the housing and operable to actuate in response to being subject to a threshold amount of pressure;
a first piston having a first cross-sectional area and a first stroke length; and
a second piston having a second cross-sectional area and a second stroke length;
flowing fluid through the one and only one device;
actuating the first piston by applying a first amount of force to the first piston;
actuating the second piston by applying a second amount of force to the second piston, wherein the second amount of force is generated by an actuation of the first piston; and
applying a force generated by an actuation of the second piston to set an element deployed proximate the second piston,
wherein the first amount of force generates a first amount of pressure to the second piston, and wherein the second amount of force generates a second amount of pressure to the element, and wherein the first amount of pressure is less than the second amount of pressure, and wherein fluid flow through the one and only one device causes the force generated by the actuation of the second piston to set the element.

11. The method of claim 10, wherein applying the first amount of force to the first piston comprises applying the first amount of hydraulic force to the first piston, and wherein

applying the second amount of force to the second piston comprises applying the second amount of hydrostatic force to the second piston.

12. The method of claim 10, wherein applying the first amount of force to the first piston comprises applying the first amount of hydrostatic force to the first piston, and wherein applying the second amount of force to the second piston comprises applying the second amount of hydrostatic force to the second piston.

13. The method of any of claims 10-12, wherein the tool comprises a device that is actuated if at least a threshold amount of pressure is applied to the device, and is not actuated if the threshold amount of pressure is not applied to the device, and the method further comprising actuating the first piston after at least the threshold amount of pressure is applied to the device.

14. The method of claim 13, further comprising regulating fluid flow through the tool to control the first amount of force applied to the first piston.

15. The method of any of claims 10-14, wherein the element is a packing element, and wherein applying a force generated by an actuation of the second piston to set the element comprises applying the force generated by the actuation of the second piston to set the packing element.