

Hyperco Variable Rate Technology

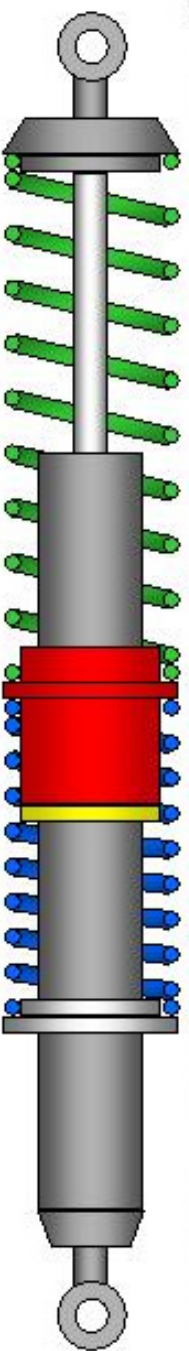
Progressive Rate Configuration

Initially, the effective spring rate is lower than either single spring.

$$k_{\text{Overall}} = \left(\frac{k_{\text{Green}} \times k_{\text{Blue}}}{k_{\text{Green}} + k_{\text{Blue}}} \right)$$



When the floating collar contacts the locking ring, the blue spring is locked out.



For additional compression, the overall spring rate increases to the green spring rate.

