

Elastic Potential NRG

A spring with a force constant of 5.2 N/m has a relaxed length of 3 meters . When a mass is attached to the spring, it is stretched to a final length of 3.9 meters . Calculate the EPE stored in the spring.

A spring contains 45 J of EPE when it is stretched to a length of 6 meters. If the spring constant for this spring is 3.7 N/m, what is the relaxed length of the spring?