Hookes Loh ; rension xx This constant k depends on: 4) The unstretched (natural) length Ly The Moelulus of elasticity (2)

L= 1/2 D = 22 This is wheet is called Hookes Modulus of clasticity is often also reflered to as youngs modulus, especially in physics natural length (1) Property of the object extension (x) determined by Force and Modules modulus of elastic (1). Property of the material - Force, often weight. If there are no other external forces hen it will be opposite of tension.