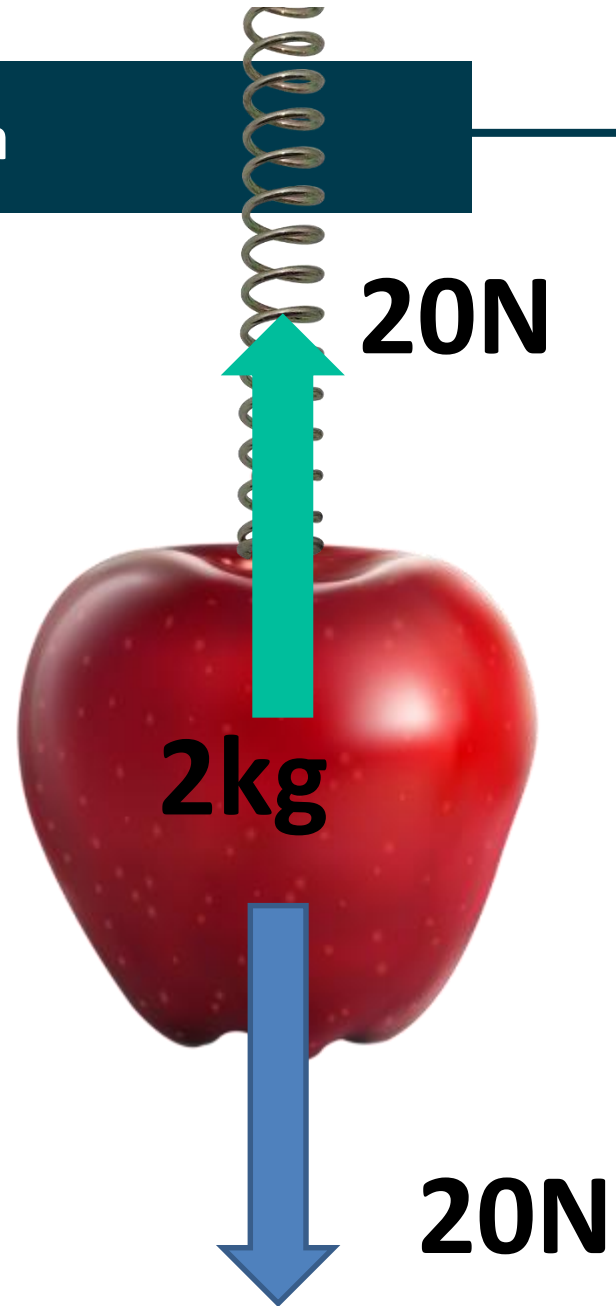


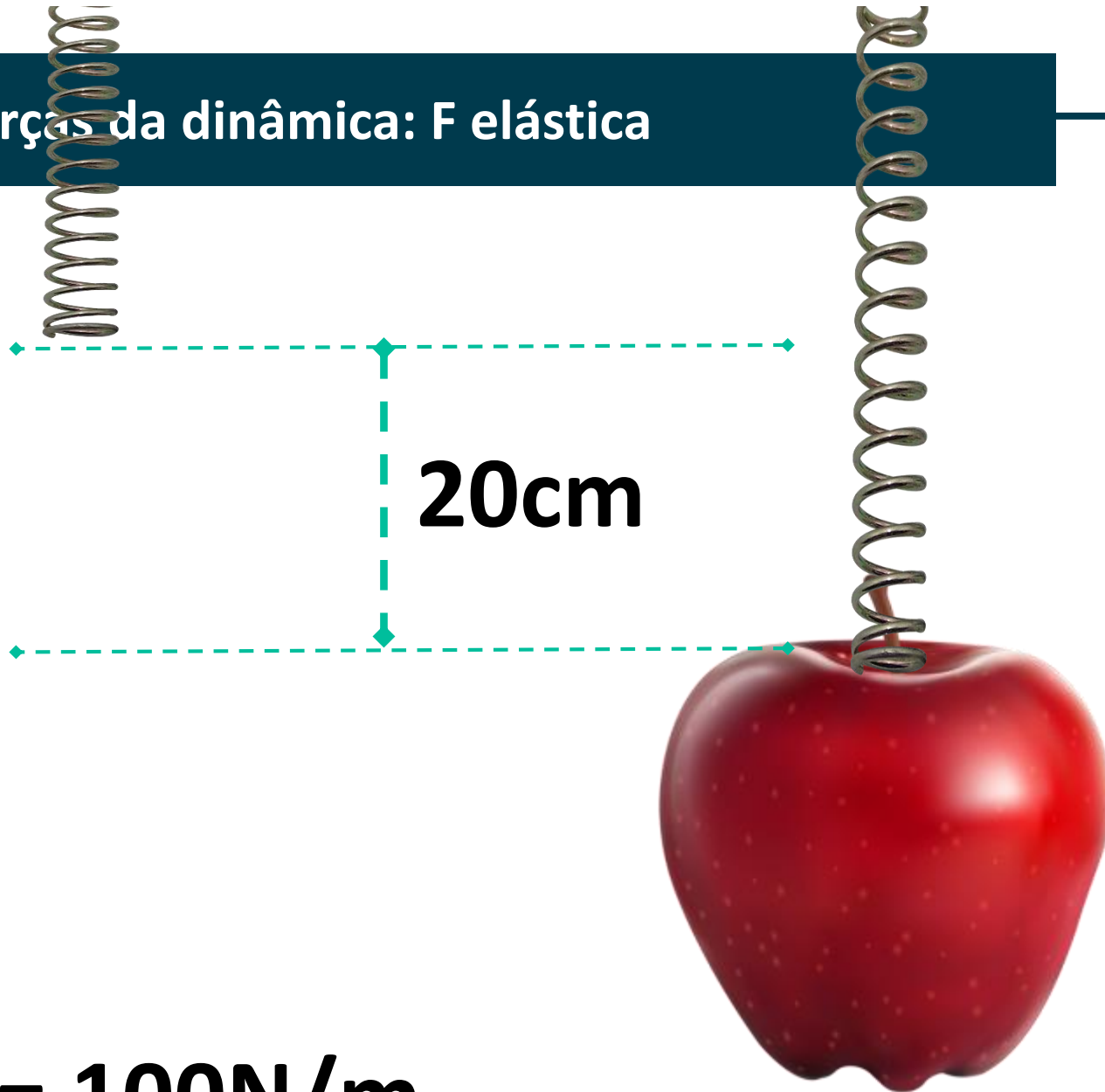
# Força elástica

**Prof. Jadoski**  
Física

## Forças da dinâmica: F elástica



## Forças da dinâmica: F elástica



$$K = 100\text{N/m}$$

$$F = k \cdot x$$

$$F = 100 \cdot 0,2$$

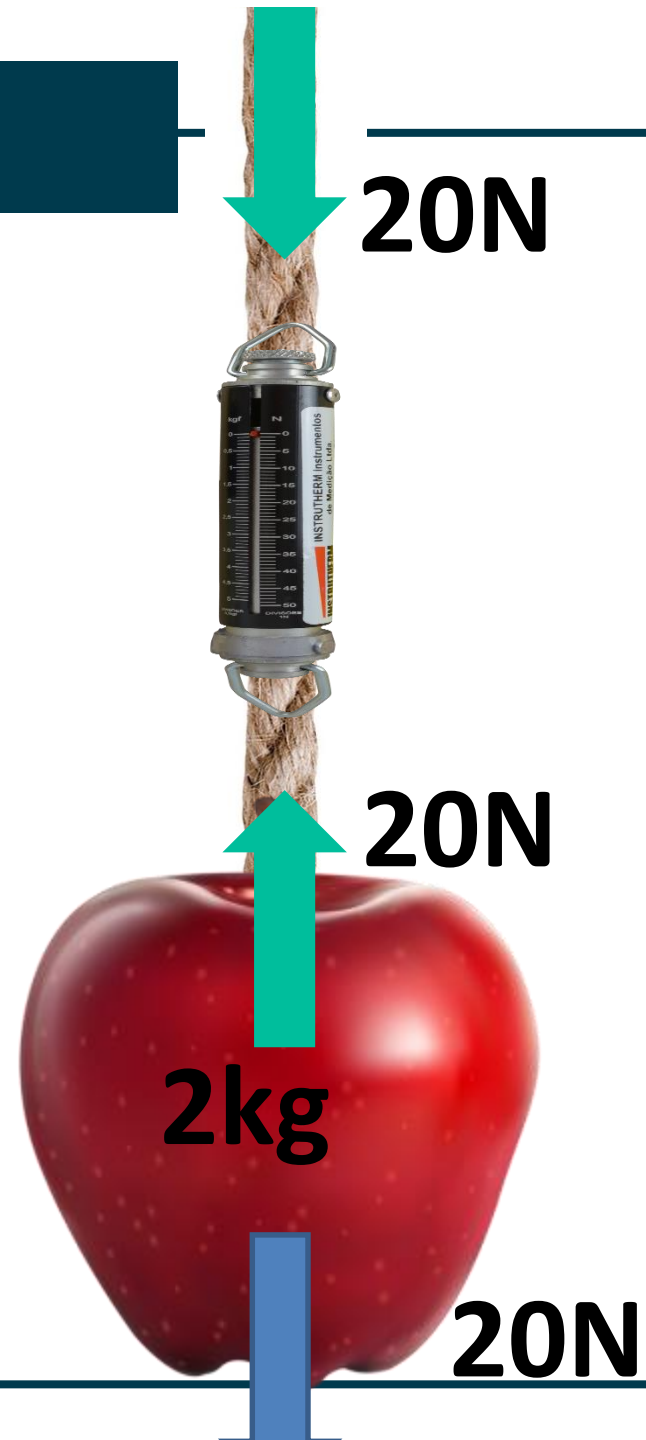
$$F = 20\text{N}$$

# Dinamômetros

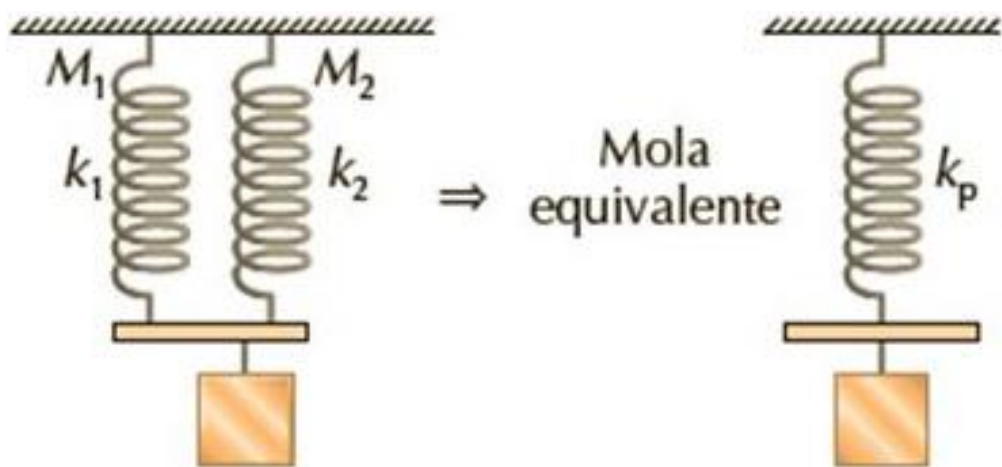
$$F = - k . x$$



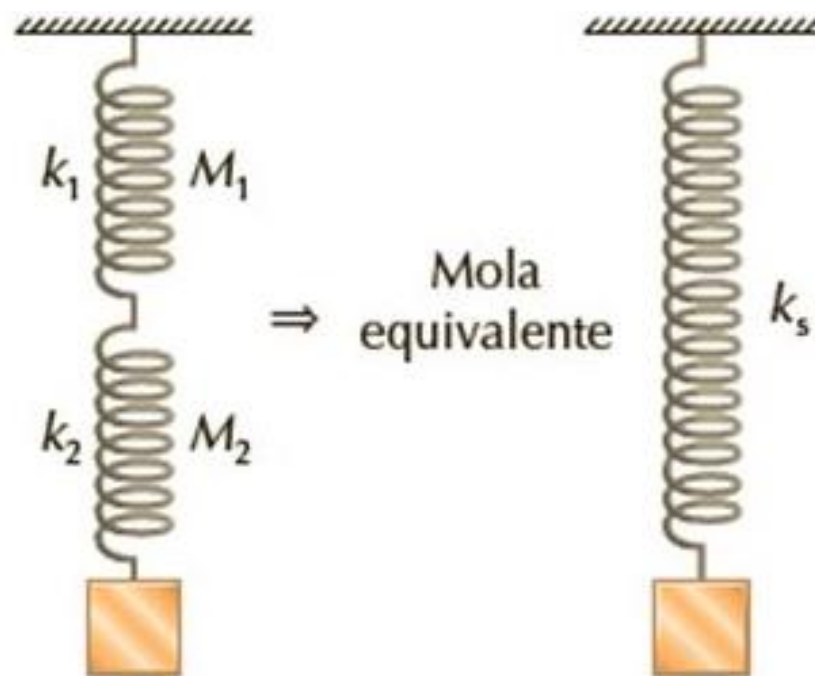
# Dinamômetros



# Associação de molas



$$k_p = k_1 + k_2$$



$$\frac{1}{k_s} = \frac{1}{k_1} + \frac{1}{k_2}$$

# Força e interações fundamentais

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Física