

[Home](#) > Define following terms of spring:

Define following terms of spring:

Question:

Define following terms of spring:

Answer:

(i) Spring rate: The spring rate is defined as the load required per unit deflection of the spring. It is also known as spring stiffness or spring constant. Mathematically, Spring rate, $k = W / \delta$

Where,

W = Load

δ = Deflection of the spring

(ii) Spring index: The spring index is defined as the ratio of the mean diameter of the coil to the diameter of the wire. Mathematically,

Spring index, $C = D / d$

Where,

D = Mean diameter of the coil

d = Diameter of the wire
