19MET204- STRENGTH OF MATERIALS

UNIT III - TORSION AND SPRINGS

Helical Coil Spring

Stiffness of a Spring

The load required to produce a unit deflection in a spring is called spring stiffness or stiffness of a spring.

23.3. Types of Springs

[illegible]

1. Bending springs 2. Torsion springs

23.4. Bending Springs

[illegible]

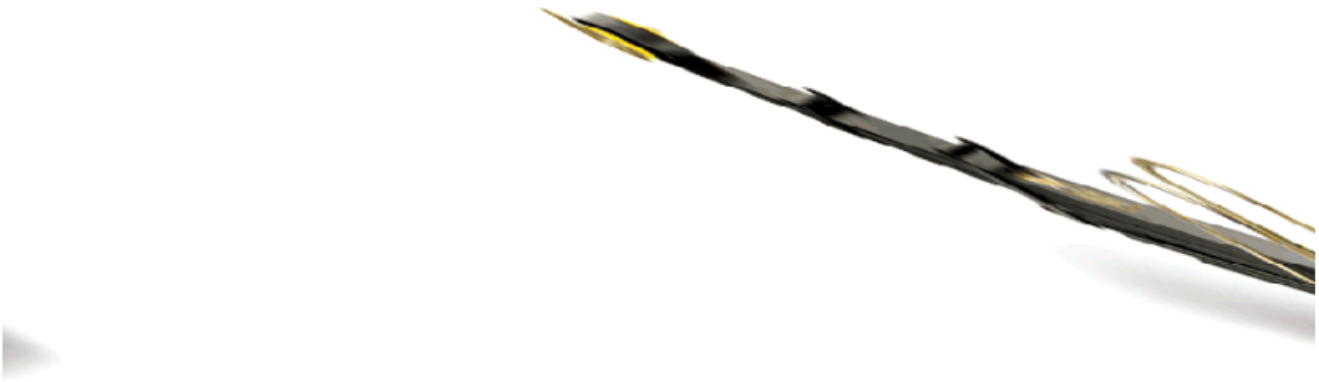
23.5. Torsion Springs

[illegible]

1. Helical springs

[illegible]

Cartesian Systems or Semi-elliptical Type Leaf Springs



2.9. Helical Springs

[illegible]

1. Closely-coiled helical springs; and
2. Open-coiled helical springs.

2.10. Closely-coiled Helical Springs

[illegible]

Helical springs

[illegible]

$$[illegible]$$

[illegible]

$$[illegible]$$

$$[illegible]$$

[illegible]

= Length of [illegible]

[illegible]

[illegible]

$$[illegible]$$

$$[illegible]$$