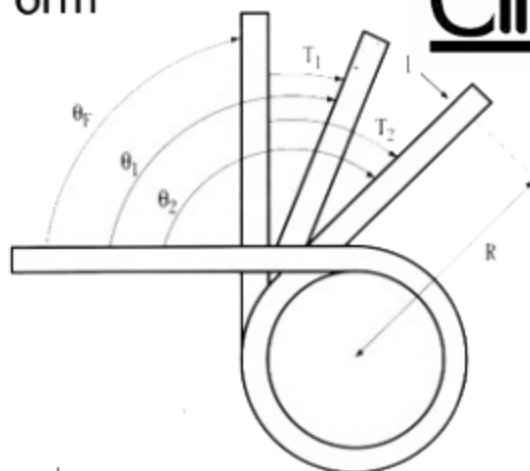
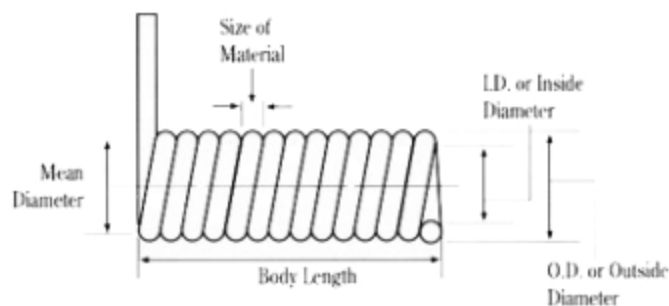


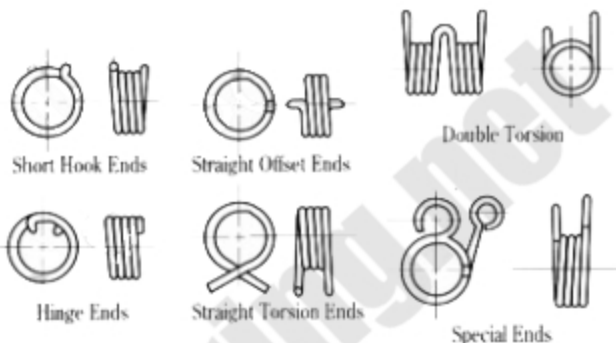
# Torsion Springs—Specification Form



## Mandatory Specifications

(fill in only those required)

- To work over \_\_\_\_\_ in. (mm) dia. shaft.
- OUTSIDE DIAMETER
  - \_\_\_\_\_ in. (mm) max. or
  - \_\_\_\_\_ in. (mm)  $\pm$  \_\_\_\_\_ in. (mm)
- INSIDE DIAMETER
  - \_\_\_\_\_ in. (mm) min. or
  - \_\_\_\_\_ in. (mm)  $\pm$  \_\_\_\_\_ in. (mm)
- Torque \_\_\_\_\_ lb. • in. (N • mm)  $\pm$  \_\_\_\_\_ lb. • in. (N • mm) at  $\theta_1 =$  \_\_\_\_\_°.  
 Torque \_\_\_\_\_ lb. • in. (N • mm)  $\pm$  \_\_\_\_\_ lb. • in. (N • mm) at  $\theta_2 =$  \_\_\_\_\_°.
- Length of space available \_\_\_\_\_ in. (mm).
- Maximum wound position \_\_\_\_\_ turns or \_\_\_\_\_° from free position.
- Length of moment arm (R) \_\_\_\_\_ in. (mm)
- Direction of helix (L, R, or optional). \_\_\_\_\_
- Type of ends \_\_\_\_\_



## Advisory Data

- Wire diameter \_\_\_\_\_ in. (mm)
- Mean coil diameter \_\_\_\_\_ in. (mm)
- No. of coils \_\_\_\_\_
- Rate \_\_\_\_\_ lb. • in. (N • mm) per turn (360°).
- $\theta_F =$  \_\_\_\_\_° free angle reference

## Special Information

- Type of material \_\_\_\_\_
- Finish \_\_\_\_\_
- Frequency of rotation, \_\_\_\_\_ cycles/sec, and working range,  $\theta =$  \_\_\_\_\_° to  $\theta =$  \_\_\_\_\_° deflection.
- Operating temp. \_\_\_\_\_°F (°C)
- End use or application \_\_\_\_\_
- Other \_\_\_\_\_