

**AMMTECH SPRING Ltd. Torsion Spring Specification Form 1A**

**FAX**



**AMMTECH Spring Ltd.**

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**Page:**

**Subject: Quotation Request**

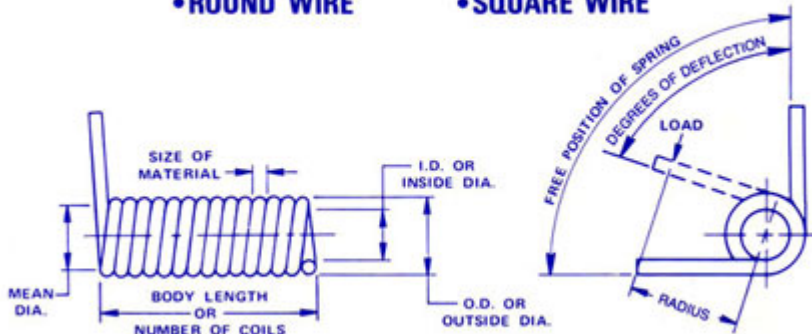
**Return Contact Information For Quotation:**

<b>Company:</b>			
<b>Address:</b>			
<b>City:</b>	<b>Prov./State:</b>	<b>Postal Code/Zip:</b>	
<b>Contact:</b>			
<b>Contact Title:</b>			
<b>Phone:</b>	<b>Fax:</b>		
<b>E-Mail:</b>			

**TORSION SPECIFICATIONS**

• ROUND WIRE

• SQUARE WIRE

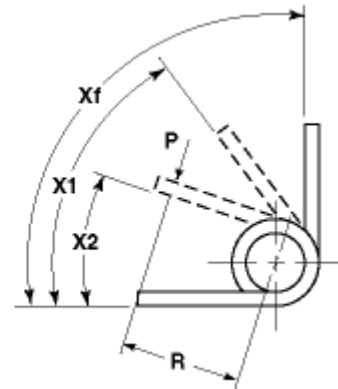
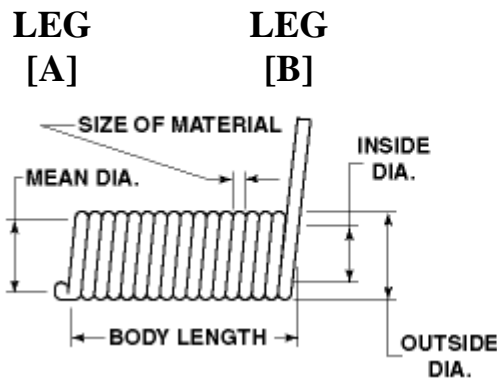


Torsion springs, whose ends are rotated in angular deflection, offer resistance to externally applied torque.

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## Torsion Spring

Diagram A



Refer to Torsion Spring End Styles for manufacturing Code Number.

### Specification Form

- A. LENGTH OF MOMENT ARM ..... +/- \_\_\_\_\_ [inches]
- B. BODY LENGTH ..... +/- \_\_\_\_\_ [inches]
- C. MEAN COIL DIAMETER..... +/- \_\_\_\_\_ [inches]
- D. INSIDE DIAMETER ..... +/- \_\_\_\_\_ [inches]
- E. OUTSIDE DIAMETER..... +/- \_\_\_\_\_ [inches]
- F. LEG [A] LENGTH ..... +/- \_\_\_\_\_ [inches]
- G. LEG [B] LENGTH ..... +/- \_\_\_\_\_ [inches]
- H. NUMBER OF COILS ..... \_\_\_\_\_

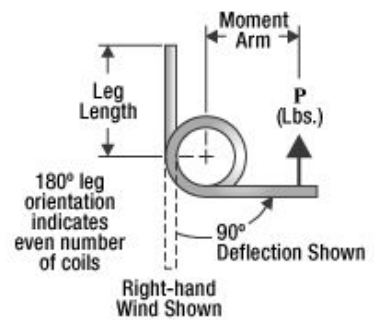


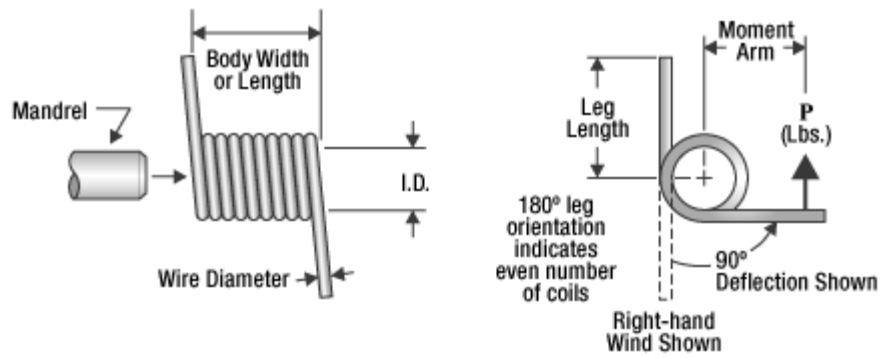
Diagram B

- 1. MATERIAL ..... \_\_\_\_\_
- 2. WIRE SIZE {DIAMETER} ..... \_\_\_\_\_ [inches]
- 3. DIRECTION OF WIND ..... \_\_\_\_\_ {OPTIONAL, or LH, or RH}
- 4. [A] END STYLE. See Diagram D ..... \_\_\_\_\_ {I,II, III, IV, V, VI,...}
- 5. [B] END STYLE. See Diagram D ..... \_\_\_\_\_ {I,II, III, IV, V, VI,...}
- 6. RATE ..... \_\_\_\_\_ [in.-lbs.] +/- \_\_\_\_\_ [in.-lbs.] PER TURN (360°)
- 7. TORQUE 1 ..... \_\_\_\_\_ [in.-lbs.] +/- \_\_\_\_\_ [in.-lbs.] @ \_\_\_\_\_ °Degrees
- 8. TORQUE 2 ..... \_\_\_\_\_ [in.-lbs.] +/- \_\_\_\_\_ [in.-lbs.] @ \_\_\_\_\_ °Degrees
- 9. LENGTH OF SPACE AVAILABLE ... \_\_\_\_\_ [inches]
- 10. MAXIMUM WOUND POSITION ..... \_\_\_\_\_ °Degrees FROM FREE POSITION
- 11. Xf. See Diagram A ..... \_\_\_\_\_ °Degrees FREE ANGLE REFERENCE
- 12. FINISH ..... \_\_\_\_\_
- 13. FREQUENCY OF ROTATION ..... \_\_\_\_\_ [cycles/sec., min. hour, day],  
AND WORKING RANGE 'X1'... \_\_\_\_\_ ° to 'X2' \_\_\_\_\_ ° DEFLECTION
- 14. OPERATING TEMPERATURE ..... \_\_\_\_\_ [deg.F].
- 15. OTHER ..... \_\_\_\_\_
- >> QUANTITY TO BE QUOTED ..... \_\_\_\_\_
- >> END USE OR APPLICATION ..... \_\_\_\_\_

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Diagram C



Torsion Spring End Styles {I, II, III, IV, V, VI}

Diagram D

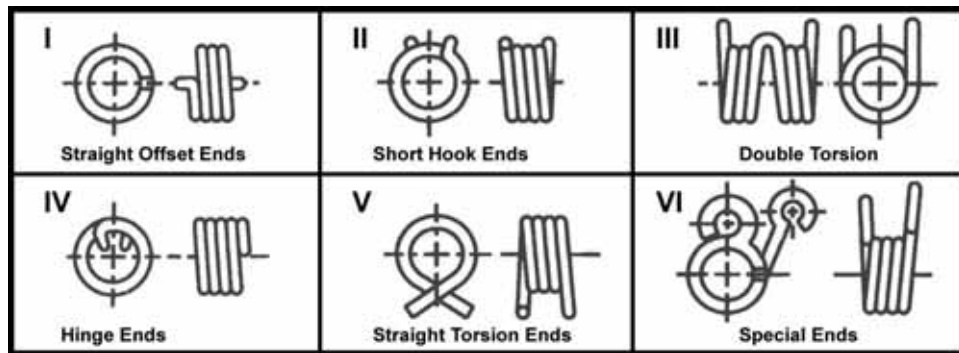
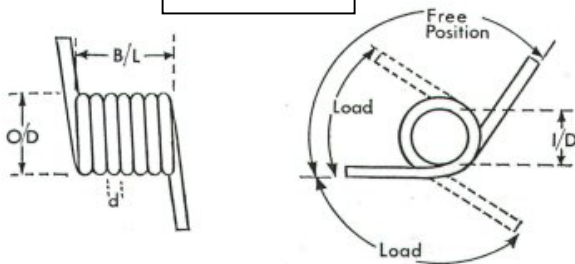


Diagram E



Basic types of torsion springs which can be wound LH or RH. Legs may be variable in length and shape.

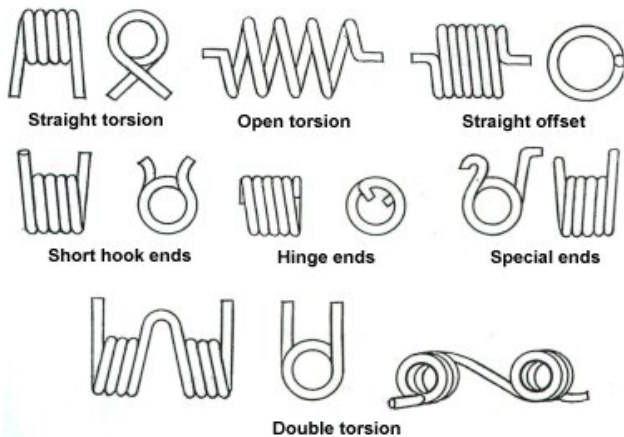


Diagram F

