SPECIFICATION FORM



Torsion Springs are helical springs that exert a torque or rotary force. The ends of torsion springs are attached to other components, and when those components rotate around the center of the spring, the spring tries to push them back to their original position. Although the name implies otherwise, torsion springs are subjected to bending stress rather than torsional stress. They can store and release angular energy or statically hold a mechanism in place by deflecting the legs about the body centerline axis.

This type of spring is normally close wound but can have increased pitch to reduce friction between the coils. They offer resistance to twist or rotationally applied force. Depending on the application, torsion springs can be designed to work in a clockwise or counter-clockwise rotation, thus determining the direction of the wind.

Comprehensive Capabilities

Configurations:

- Straight Offset Legs Short Hook Legs Hinge Legs
- Straight Torsion Legs Bent Legs Double Torsion

Secondaries:

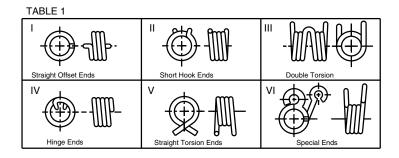
- Stress Relieve Heat Treating Passivation
- Shot Peening Plating Painting

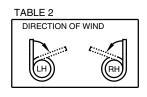
Wire sizes from .002" through .625"

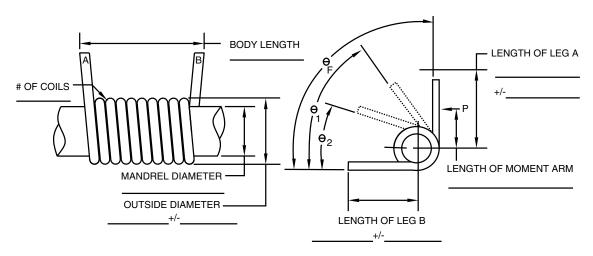
Materials:

- Carbon Steels
 Alloy Steels
- Stainless Steel 17-7, 302, 304 and 316 Phosphor Bronze
- Hastelloy Inconel 600, 718 and x750
- Beryllium Copper Elgiloy®[†]

[†] Elgiloy is a trademark of Elgiloy Ltd. Partnership.







INDICATE UNITS OF MEASURE (IN. & LB.), (MM & KG)

1.	MATERIAL								
2.	WIRE DIAMETER								
3.	DIRECTION OF WIND		LH		RH		(SEE	TABLE 2)	
4.	END STYLE (A)	I	П	Ш	IV	٧	VI	(SEE	
5.	END STYLE B	I	П	Ш	IV	٧	VI	TABLE 1)	
6.	RATE+/		BET\	VEEN			PER T	URN (360	
7.	TORQUE 1	_ +/-			AT (∋ 1			
8.	TORQUE 2	_ +/-			_ AT (∋ 2			
9.	LENGTH OF SPACE AVAILABLE								
10.	MAXIMUM WOUND PO	SITIC	ON		_° FR	OM F	REE I	POSITION.	
11.	⊖ F				FREE	ANGL	E OR	POSITION	
12.	FINISH								
13.	FREQUENCY OF ROTATION								
	CYCLE	ES/SE	C. AN	ID					
	Working range \ominus		。	то ∈	-		° DE	FLECTION	
14.	OPERATING TEMP		°F	:					
15.	OTHER:								

COMPANY:					
CITY:					
STATE:	ZIP:				
CONTACT:					
PHONE:					
FAX:					
EMAIL:					
QUANTITIES TO BE QUOTED:					
END USE OR APPLICATION:					