



**CENTRAL WIRE, INC.**

## **SPRING WIRE**



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Central Wire Group of Companies is one of the largest wire manufacturers, producing a broad array of stainless steel, nickel, copper, brass, bronze and zinc wires for a wide range of applications. Since the late 1960's, CWI has been regarded as one of the globe's largest and most respected sources for spring wire.

CWI is ISO 9001:2015 certified by BSI for the manufacturing of stainless steel and nickel alloy wire. This guarantees our products meet both national and international standards along with customer specifications and requirements.

### **Prompt Delivery**

With 13 strategically located manufacturing and warehouse sites, deliveries are quick and economical.

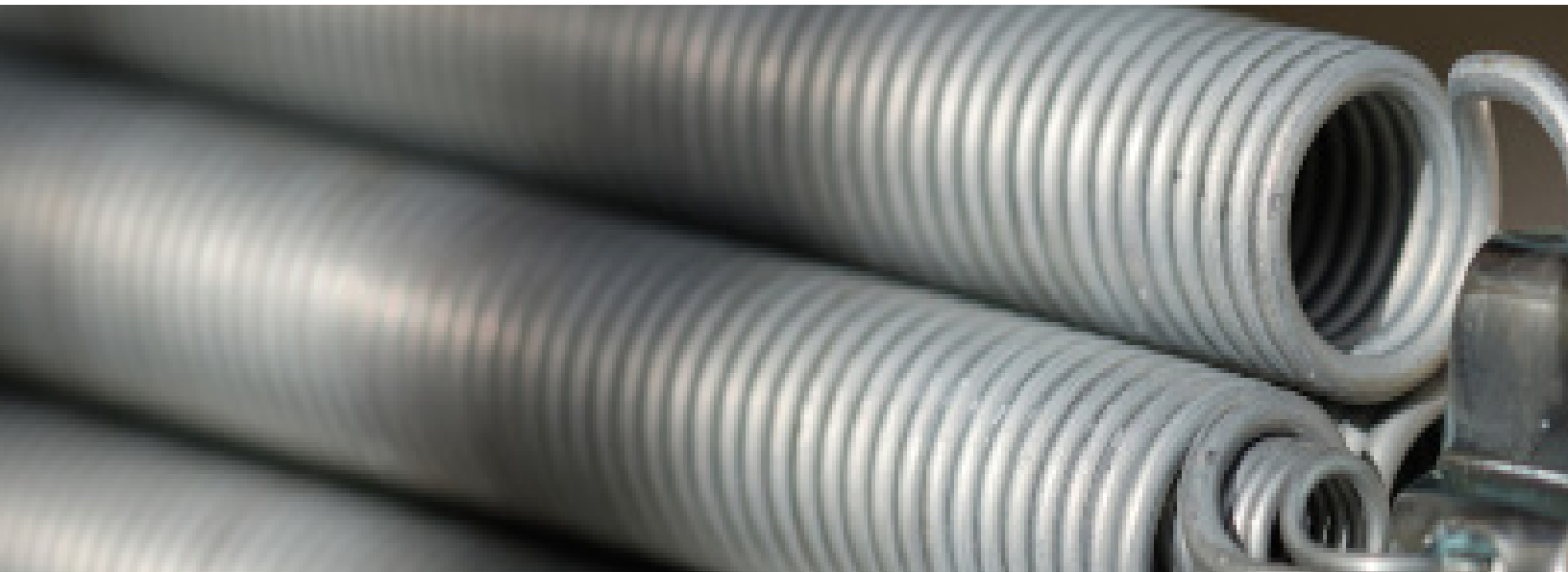


### **High Quality**

We carefully select top-quality vendors, and prioritize accuracy at every stage of the manufacturing process.

### **Expert Service**

Our staff of seasoned professionals helps our customers achieve maximum production with minimal waste/scrap.



### **Spring Industry**

Springs are a ubiquitous solution in many modern products, from the high strength performance requirements of heavy equipment and transportation, to the rapid flexing and space constraints in electronics, firearms, and other small objects. This creates engineering challenges for manufacturers, and Central Wire has the products to solve those problems. High performance spring wire will perform with enough strength, resilience, and environmental resistance in all sizes, applications, and end products.

### **General/Specialist Engineering**

Central Wire has the capability to produce spring wire for any application, as the process is controlled from rod breakdown to finished packaging under one roof. This means we can manufacture a specialty solution to meet the needs of your specific application or industry, no matter how complex. Whether you are replacing an existing system or crafting a new product, we can customize a solution to exceed your requirements.



## Assortment of Alloys available.

### Straight Chrome Stainless Alloys

Type	C	Mn	P	S	Si	Cr	Ni	Mo	OTHERS
302	0.15	2	0.045	0.03	1	17.00 – 19.00	8.00 – 10.00	–	–
304	0.08	2	0.045	0.03	1	18.00 – 20.00	8.00 – 10.50	–	–
316	0.08	2	0.045	0.03	1	16.00 – 18.00	10.00 – 14.00	2.00 – 3.00	–
347	0.02	2	0.045	0.03	1	17.00 – 19.00	9.00 – 13.00	–	Cb-Ta 10x C Min.
20CB									
17-7PH	0.09	1	0.04	0.03	1	16.00 – 18.00	6.50 – 7.75	–	–
TT-50	0.03 – 0.06	4.00 – 6.00	0.04	0.03	1	20.50 – 23.50	11.50 – 13.50	1.50 – 3.00	N 0.20 – 0.40

### Nickel Alloys

Type	Ni	C	Mn	Fe	S	Si	Cu	Cr	Al	Ti	Cb	Mo	OTHERS
400	63.00 – 70.00	0.025	1.25	2.5	0.01	0.5	28.00 – 34.00	–	0.10–	–	–	–	–
MK-500	63.00 min.	0.18	1.5	2	0.01	0.5	27.00 – 33.00	–	2.65 – 3.15	0.35 – 0.85			
600	72.00 – 78.00	0.08	0.50 – 1.00	6.00 – 8.00	0.01	0.02	0.500.25	14.00 – 17.00	0.35	0.5	1	0.50–	Ta: 0.05 Max. Cb+Ta: 1.00 Max.
601	58.00 – 63.00	0.06	1	Bal.	0.01	0.5	1	21.00 – 25.00	1.00 – 1.70	0.6	–	–	B: 0.006 max.
625	58.00 min.	0.1	0.5	5	0.01	0.5	–	20.00 – 23.00	0.4	0.4	+Ta 3.15 – 4.15	8.00 – 10.00	–
718*	51.00 – 55.00	0.020 – 0.060	0.3	15.00 – 21.00	0.01	0.3	0.3	17.00 – 20.50	0.40 – 0.70	0.75 – 1.15	5.00 – 5.50	2.85 – 3.25	
750	70.00 min.	0.08	1	9	0.01	0.5	0.5	14.00 – 17.00	0.40 – 1.00	2.75	0.70 – 1.20	–	Ta: 0.05 max. Cb+Ta: 0.70 = 1.20
800	30.00 – 35.00	0.01	1.5	Bal	0.01	1	0.75	19.00 – 23.00	0.15 – 0.60	0.15 – 0.60	–	–	–
805	36	0.12	0.75	Bal.	0.02	0.5	0.5	7.5	–	–	–	0.5	–
825	38.00 – 46.00	0.05	1	22.00 min.	0.015	0.5	1.50 – 3.00	19.50 – 23.50	0.2	0.60 – 1.20			
C-276	Bal.	0.01	1	4.00 – 7.00	0.01	0.08	0.5	14.50 – 46.50	–	–	–	15.00 – 17.00	N: 0.10

**Techcote™**

Techcote™ is Central Wire's proprietary, non-metallic, soap lubricant coating that enhances consistency and easy removal. Techcote™ is available on wires this a diameter range of 0.022" to .0625".

**TechBrite™**

A Techbrite™ finish imparts a mirror-like finish on bare bright wire. This specialty spring wire coating is recommended for applications that require a bright, lustrous appearance. A Techbrite™ finish is available on spring wires with diameters of 0.020" to 0.125".

**Nickel Flash Coatings**

Nickel Coatings offer improved lubricity and greater corrosion resistance for spring wire applications. Available on select alloys and sizes. Call to discuss application and availability.

**Copper With Soap**

Copper with Soap spring wire coating is available on wires that are drawn with Techcote™, and with diameters from .020" to 0.625".



**Supporting Agriculture, Architecture, Marine, Mining, Nuclear, Oil & Gas and Petrochemical Industries**

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