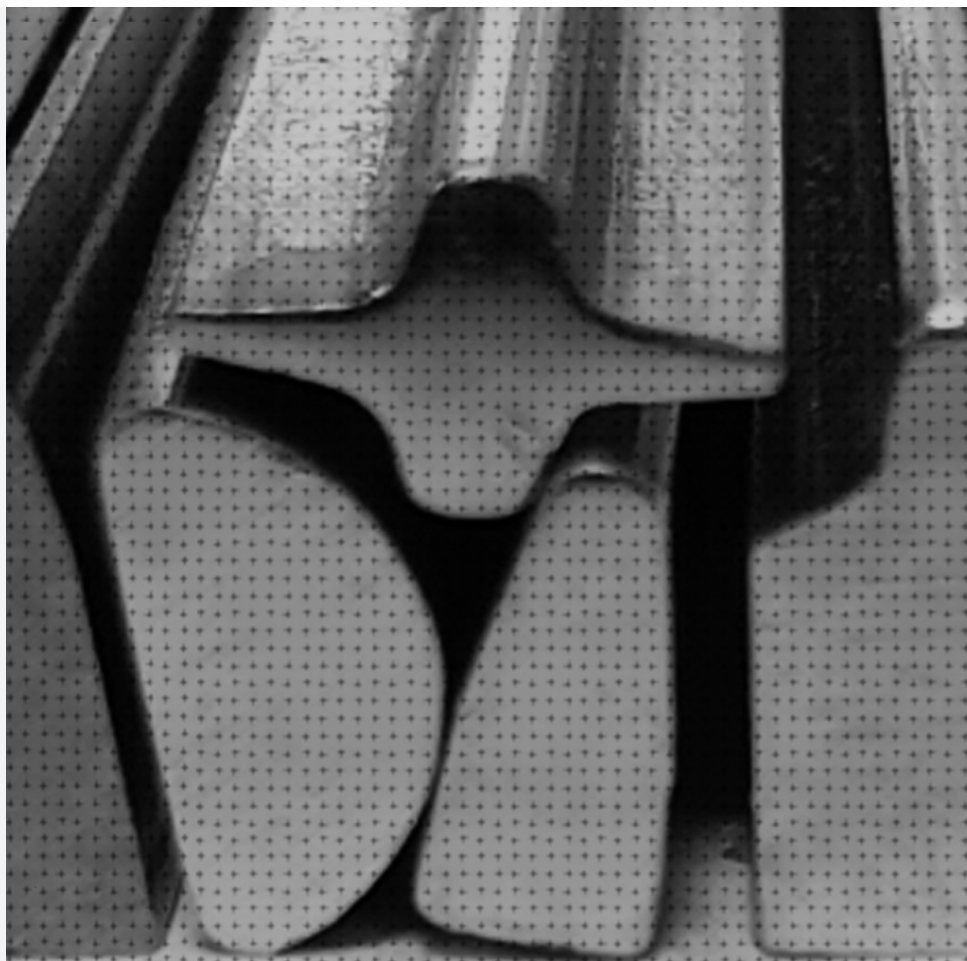
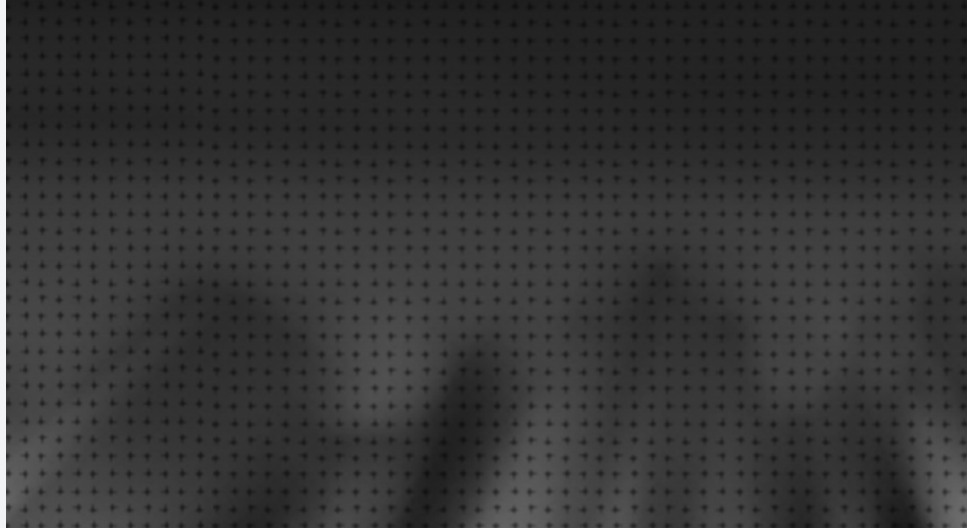




**PROFILED WIRE**  
**CENTRAL WIRE INDUSTRIES UK LTD.**

**STAINLESS, NICKEL  
& SPECIALTY  
ALLOYS**

☎ +44-(0)-1709-37-6625  
🌐 [centralwire.co.uk](http://centralwire.co.uk)  
✉ [sales@centralwire.co.uk](mailto:sales@centralwire.co.uk)





# WHERE YOUR IDEAS TAKE SHAPE.

## RESOURCES

Central Wire Industries is a globally positioned wire and wire products manufacturer with the capabilities to meet your local needs. With round and profiled wire production in the United Kingdom, Canada, and the United States, we can service your requirements wherever you are. Our in-house technical staff can perform a wide range of services including metallurgical analysis, product recommendations, and process improvement recommendations.

### Available Grades

300 series stainless, 400 series stainless, Duplex / Super Duplex, Nickel Alloys, Brass / Copper, Carbon / Alloy Steels

### Packaging

Coils 10lbs - 2650lbs, Spools 5 10 lbs - 2650 lbs, Lengths 4 inches - 256 inches

### Rely on us for...

- Fast and reliable shipping
- Customer service online or over the phone
- High quality products
- Commitment to quality
- Custom profiles
- A wide variety of alloys

# CUSTOM MANUFACTURING

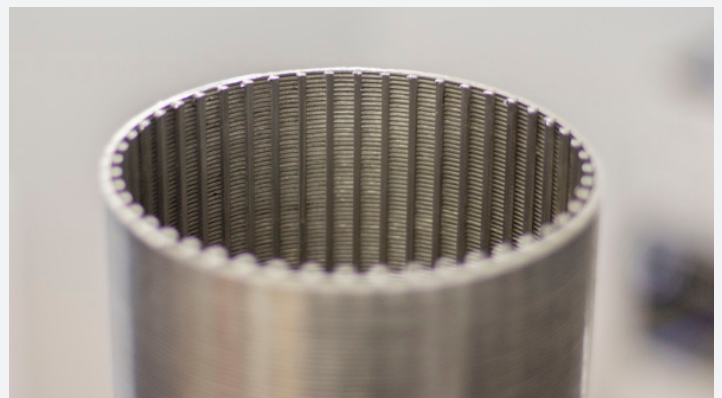
Profiled wire is used extensively in filtration systems, hardware production, and a wide range of other manufacturing settings because it is customizable for virtually any application. To ensure quality performance, CWI profiled wire is always precision engineered to withstand even the most demanding environments. Our experts are always available to help you choose the best shape and material for your specific requirements.

## Profiled Wire Applications

- Belt Wire
- Chemical Filtration Screens
- Clips / Pins / Cotter Pins
- Decorative Mesh
- Fixings
- Furnace Belts
- General / Specialist Engineering
- Mining Screens
- Oil & Gas Filtration Screens
- Spacer Bars
- Springs
- Water Filtration Screens

## Industries Served

- Architecture
- Construction
- Food Industry
- Manufacturing
- Marine
- Medical
- Mining
- Nuclear
- Oil and gas
- Petrochemical
- Power Generation
- Spring Industry



# PROFILES

Our focus on quality and performance in challenging applications has allowed us to become one of the world’s finest profiled wire producers – specializing in complex profiles with tight tolerances. Our shapes are manufactured using a Turks head rolling process that allows us to achieve the most consistent dimensions of any product in the market today. We design and build our own specialized profiled wire equipment, which provides significant quality and technical control over the manufacturing process.

- superior surface finish
- accurate sizes
- consistent shapes
- customizable profiles



Wire Diameter	0.80mm - 18.00mm ( 0.031 inches - 0.709 inches)
Size Range	1.25mm - 95.00mm ( 0.049 inches - 3.74 inches) Cross-Sectional Area
Tolerances	+/-0.0015” to +/-0.00025”
Square	Flat edge with minimal corner radius
Rounded	Flat edge with larger corner radius
Nautral Rolled	Slight corner where arc meets flat edge
Full Rounded	Arc meets flat edge without corner





# ALLOYS

## Duplex/Super Duplex Alloys

Alloy	Material No.	Applications
LDX 2101	1.4162	Various
Duplex/2205	1.4462	Wireline/Springs/Filters
Super Duplex	1.4410	Filters/Various
Super Duplex	1.4501	Filters/Welding
Super Duplex	1.4507	Filters/Welding
LDX 2404	1.4662	Various
Duplex	ER 2209	Welding/Springs
Super Duplex	ER 2594	Welding

## Specialty Alloys

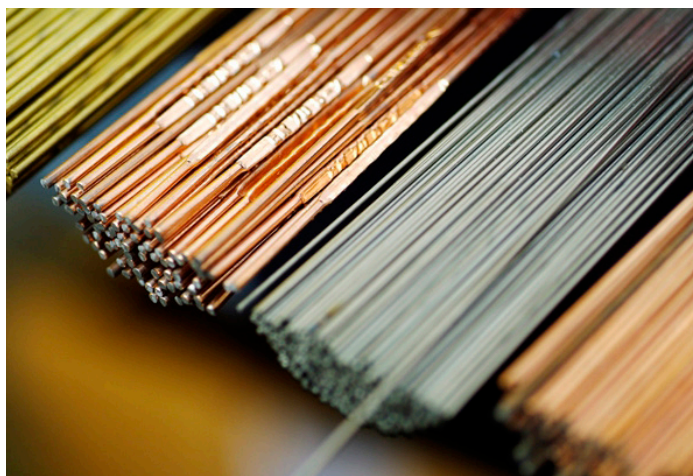
Alloy	Material No.	Applications
316LVM	1.4441	Medical Implants
Alloy 926	1.4529	Wireline/Strand/Filters
904L	1.4539	Springs/Filters
37/18	1.4864	Furnance Wire Belts
286	1.4980	Fasteners
Alloy 400	2.4360	Filters
Alloy 22	2.4602	Filters/Welding
Alloy 59	2.4605	Filters/Welding
Alloy C4	2.4610	Filters/Welding
Alloy 718	2.4668	Springs
Alloy X-750	2.4669	Springs
Alloy 82	2.4806	Welding
Alloy 600	2.4816	Filters/Fasteners
Alloy C276	2.4819	Filters/Welding
Alloy 601	2.4851	Filters/Fasteners
Alloy 625	2.4856	Filters/Welding
Alloy 825	2.4858	Filters/Welding
Alloy 686		Welding
Nitronic 50	XM-19	Springs/Armouring
Nitronic 32	XM-28	Fasteners

## Austenitic Alloys

Alloy	Material No.	Applications
304	1.4301	Wire Forming/Mesh/Filters
303	1.4305	Turned Parts
304L	1.4307	Wire Forming/Mesh/Filters
302	1.4310	Springs/Spokes
307 Si	1.4370	Welding
316	1.4401	Wireline/Springs
316L	1.4404	Filters/Mesh
317L	1.4438	Filters/Various
321	1.4541	Bling Rivet Systems
304Cu	1.4567	Fasteners
17/7PH	1.4568	Springs
303Cu	1.4570	Welding
316Ti	1.4571	Springs/Filters
316Cu	1.4578	Fasteners
316LSCu	1.4598	Turned Parts

## Martensitic/Ferritic Alloys

Alloy	Material No.	Applications
410	1.4006	Fasteners
416	1.4005	Turned Parts
430	1.4016	Fasteners/Filters/Wire Forming
420	1.4028	Springs/Dental Industry
420S +S	1.4035	Turned Parts

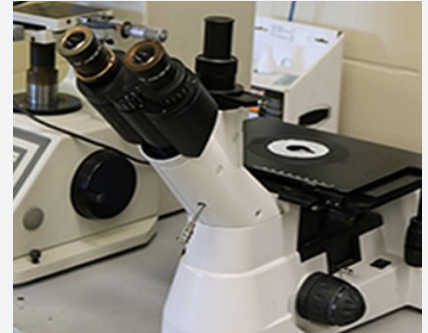


CENTRAL WIRE INDUSTRIES UK, LTD.

# QUALITY ASSURANCE

As a world leader in the manufacturing of high quality round and profiled wire, CWIv is committed to meeting or exceeding our customer's expectations. Our global quality system allows us to guarantee consistency and accuracy for each product we make. With the involvement of our employees, customers and suppliers, together we promote a philosophy of unending improvement and innovation.

Product certification testing is performed in accordance with ASTM International and ISO/EN Testing Standards.



**Profiled wire is inspected for quality during each stage of the manufacturing process.**

ASTM A370, E8  
AMS2750, MIL1684  
ASTM A938; ISO 7800  
ASTM A313, A370; ISO 7801  
ASTM A370  
ASTM A370; ISO 7802  
ASTM E3, E407  
ASTM E384, E92, E18  
ASTM A262  
ASTM A763  
ASTM A90  
Magnetic Permeability

Tensile Testing  
Heat Treatment Capability  
Torsion Testing  
Cold Bend Testing  
Coiling Test  
Wrap Testing  
Metallography  
Hardness Testing  
Intergranular Corrosion Testing – Austenitic Alloys  
Intergranular Corrosion Testing – Ferritic Alloys  
Zinc Coating Weight Testing  
Outside Testing by Accredited Test Houses & Laboratories

## ISO 9001:2015 CERTIFIED



# CENTRAL WIRE INDUSTRIES

Central Wire Industries is a market leader in the wire manufacturing industry. CWI has 13 locations across 3 countries, more than 750 employees, and over 60 years of excellence in the wire industry. We have the widest range of high performance specialty alloys in stainless steel, nickel, and red metals. Our Central Wire UK website is available in English, Chinese, Dutch, Spanish, French, and Italian to accommodate as many of our customers as possible.



## OUR MISSION

Our mission is to build a company that values innovation and is committed to customer service. We are a market leader in the production of specialty wire and its components including ropes, cables and strands. We are devoted to delivering quality and maintaining the highest of standards.

## OUR VISION

CWI will shape the future in the production of wire, wire rope, and cable assemblies, by providing new and innovative techniques and practices that deliver the highest quality stainless steel, nickel, and specialty alloy wire, ropes, and strands across the world.



# The Right Profile For Your Company.



Help us create a Customer Specific Program to fit your needs and delivery requirements!  
If you have any addition questions about our products, contact us with the info below:

**CWI** CENTRAL WIRE INDUSTRIES UK, LTD.



+44-(0)-1709-37-6625



sales@centralwire.co.uk



www.centralwire.co.uk

**CWI** GROUP OF COMPANIES