

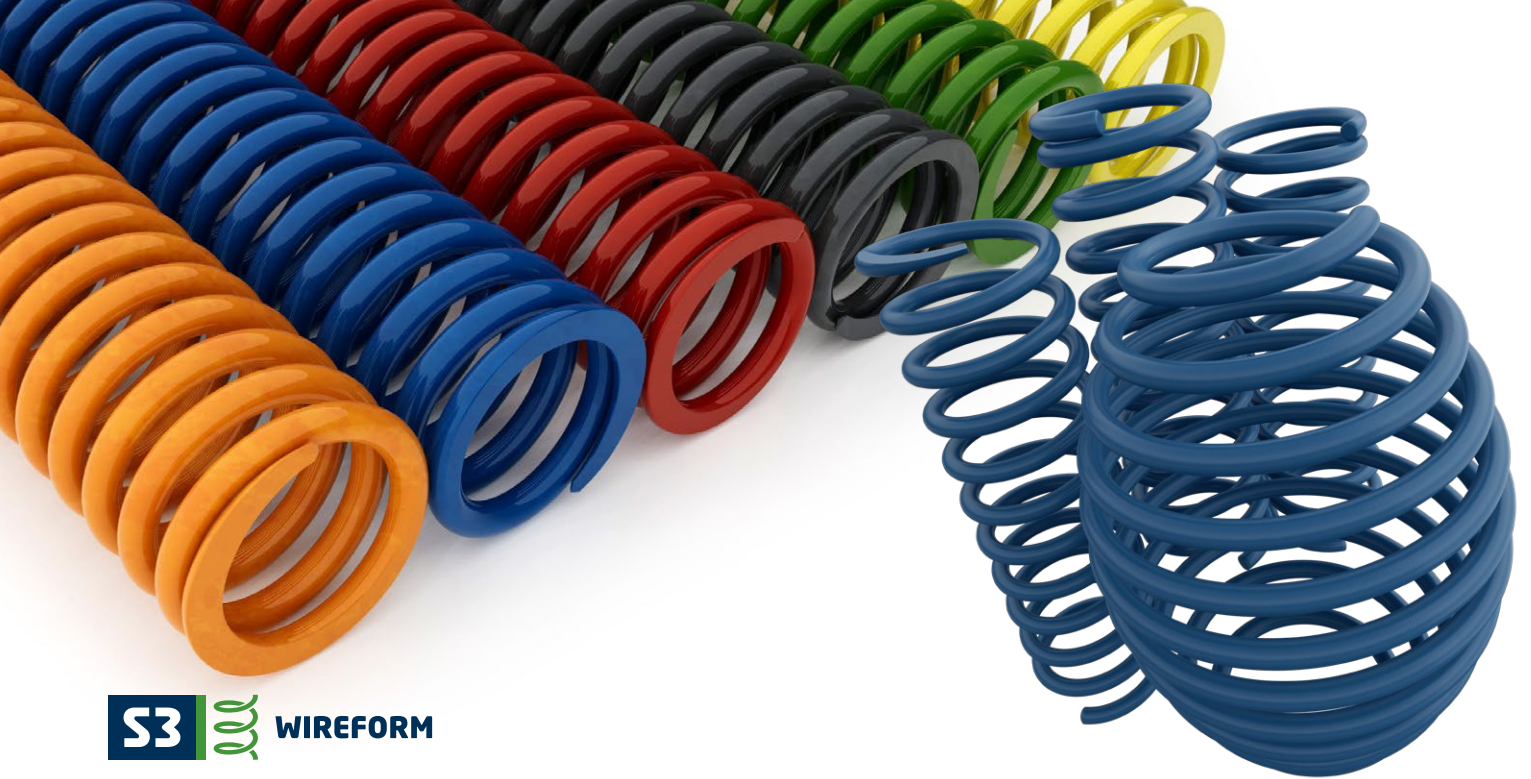


WIREFORM

## Products & Services



Custom wire forming  
and precision springs



S3 Wireform is one of the largest and most advanced industrial spring and wireform manufacturing facilities in North America. We specialize in crafting high-volume wireforms and springs, while providing next-stage manufacturing, weldments and coatings.

We take great pride in our reputation for quality products, high production capacity of over 16,000 units per day, and reliable delivery. Our OEM products can be found in a wide variety of industrial applications and equipment bearing some of the top brand names in manufacturing.

### Customization and specifications

We offer extensive customer support and technical assistance. Our design and engineering team is here to guide the process from design to comprehensive load and fatigue testing. We guarantee that our products can withstand the stresses of daily use in the field and provide prototypes and samples for testing. You can be confident in the product's performance before committing to full-scale production.

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Swift Current SK S9H 3X4  
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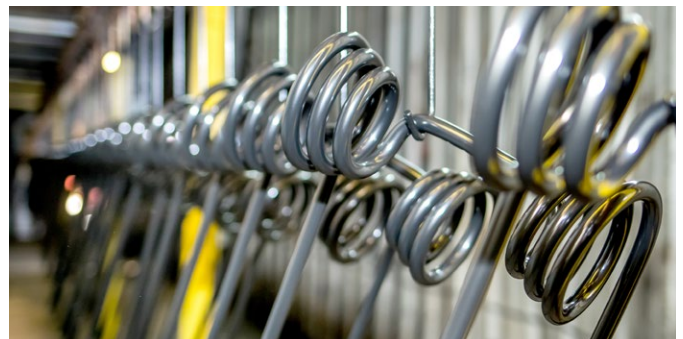
### Efficiency and production capabilities

We have developed highly efficient production capabilities that deliver high-quality, high-volume components quickly and cost-effectively:

- Purpose-built automated machining
- Robotic welding
- Next-stage manufacturing
- One of the largest and most advanced powder coating facilities in Western Canada

### Environmental considerations

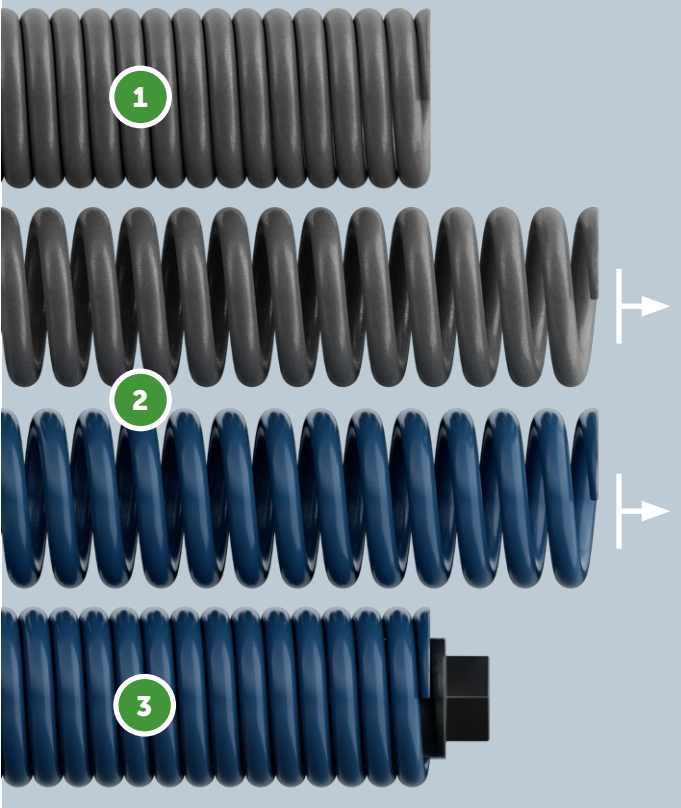
Sustainability is a key consideration for us. By embracing lean manufacturing practices, we minimize waste and optimize resources, keeping costs low and production environmentally responsible. Our manufacturing processes are specifically designed with energy efficiency in mind, minimizing waste and reducing our carbon footprint.



Specializing in large-diameter wireform, we typically work with sizes up to .75" diameter. We routinely carry oil-tempered, hard drawn and chrome silicon material. With an average coiled wire inventory of over a million pounds and high operational capacity, we provide fast and reliable order fulfillment.

**Specialized full-coverage finish**

- 1** In the illustration below, wire is first formed into an extension spring.
- 2** Using a proprietary process, springs are extended to ensure full coverage between the coils during coating to ensure 100% surface coverage and maximum corrosion protection.
- 3** After powder coating, the spring tension is released and the product is passed on to next-stage manufacturing and assembly.



**Extension Spring end types**

Our extension springs are designed to exacting product specifications including shape and end type. Below is a reference for many of our end and coil type options:



As a leading manufacturer of industrial compression springs, we understand the critical role these components play across various industries.

Our compression springs deliver reliable performance under extreme loads in demanding environments and harsh conditions. Whether used for cushioning, energy storage, or maintaining force between components, our industrial compression springs are built to meet rigorous standards.

We can accommodate virtually any compression spring profile or end type. The most common end types are illustrated below.

## Common end types



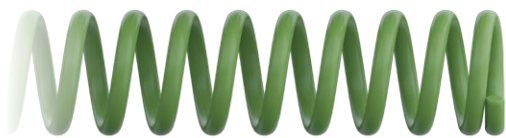
Ground open end, right-hand helix



Ground closed end, right-hand helix



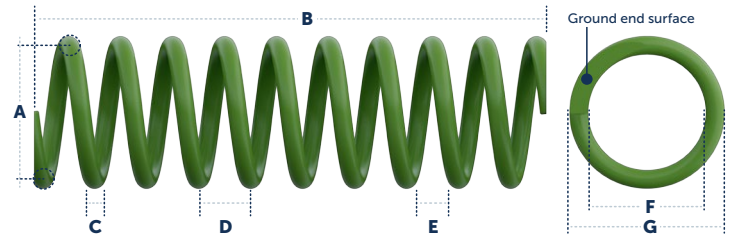
Closed end, right-hand helix



Closed end, left-hand helix



Open end, right-hand helix



- A** Mean coil diameter
- B** Free length
- C** Wire diameter
- D** Pitch
- E** Coil gap
- F** Inside diameter
- G** Outside diameter

## Spring profiles

We offer a variety of spring profiles tailored to different applications, each with unique advantages.

A barrel profile provides stability under lateral forces, ideal for agricultural machinery. Tapered profiles reduce compressed height and offer progressive force, perfect for applications like clutches or braking systems. Hourglass springs evenly distribute stress, making them suitable for equipment with variable loads, thereby extending machinery lifespan.

Our diverse spring profiles ensure optimal performance and reliability, meeting the specific needs of the agricultural sector.



Straight profile with open ends



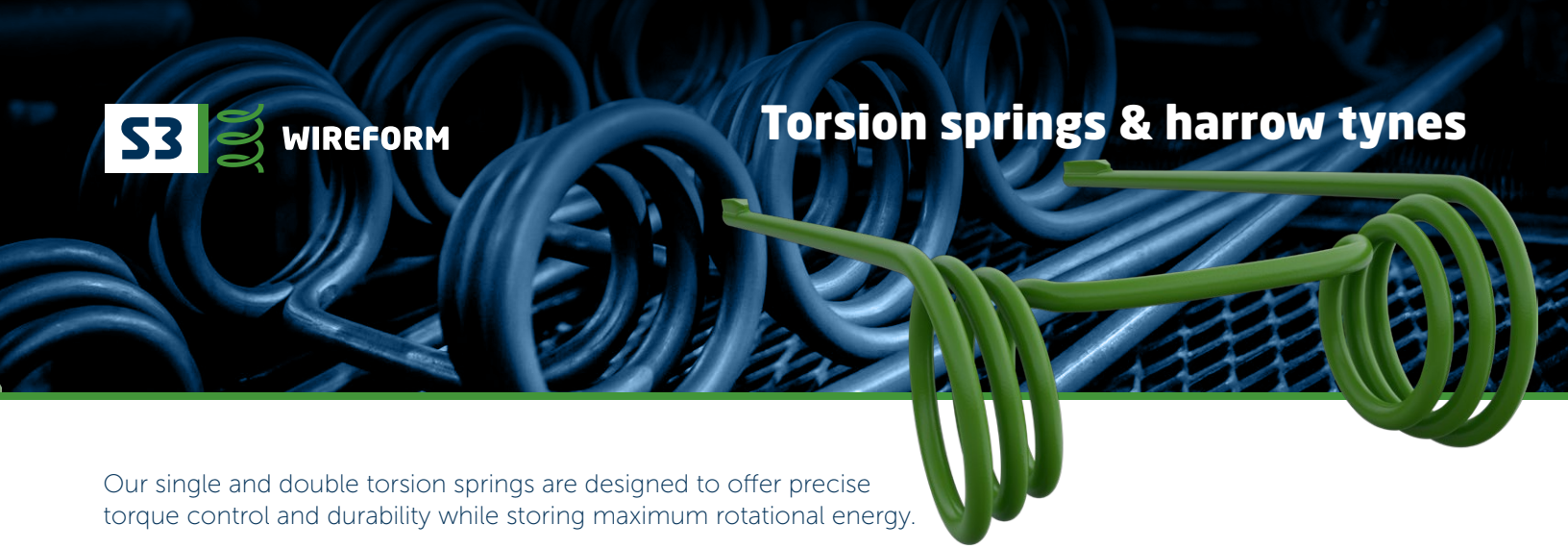
Tapered profile with open ends



Hourglass profile with open ends

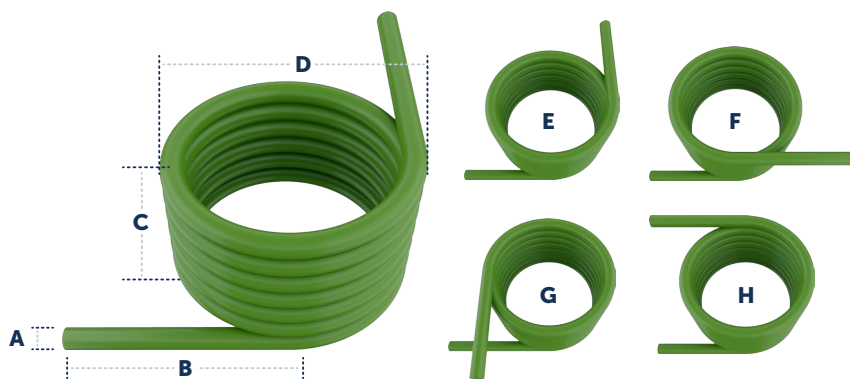


Barrel profile with open ends

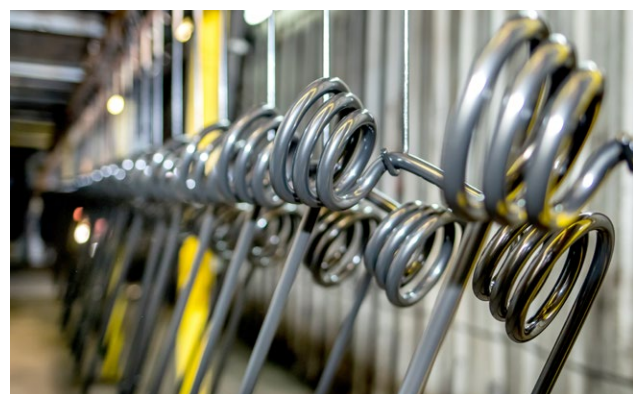


Our single and double torsion springs are designed to offer precise torque control and durability while storing maximum rotational energy.

With several tip-reinforcement options for wear protection, our heavy harrow tynes, are crafted to withstand the roughest of field conditions. Our harrow tynes provide the strength and flexibility needed to break up and effectively distribute even the heaviest thatch, while providing maximum resilience and service life.



- |                              |                                |
|------------------------------|--------------------------------|
| <b>A</b> Wire diameter       | <b>E</b> 90° right-hand helix  |
| <b>B</b> Leg length          | <b>F</b> 180° right-hand helix |
| <b>C</b> Body length         | <b>G</b> 270° right-hand helix |
| <b>D</b> Outer coil diameter | <b>H</b> 360° right-hand helix |



Heavy harrow tynes are available with multiple tipping options for maximum wear protection.



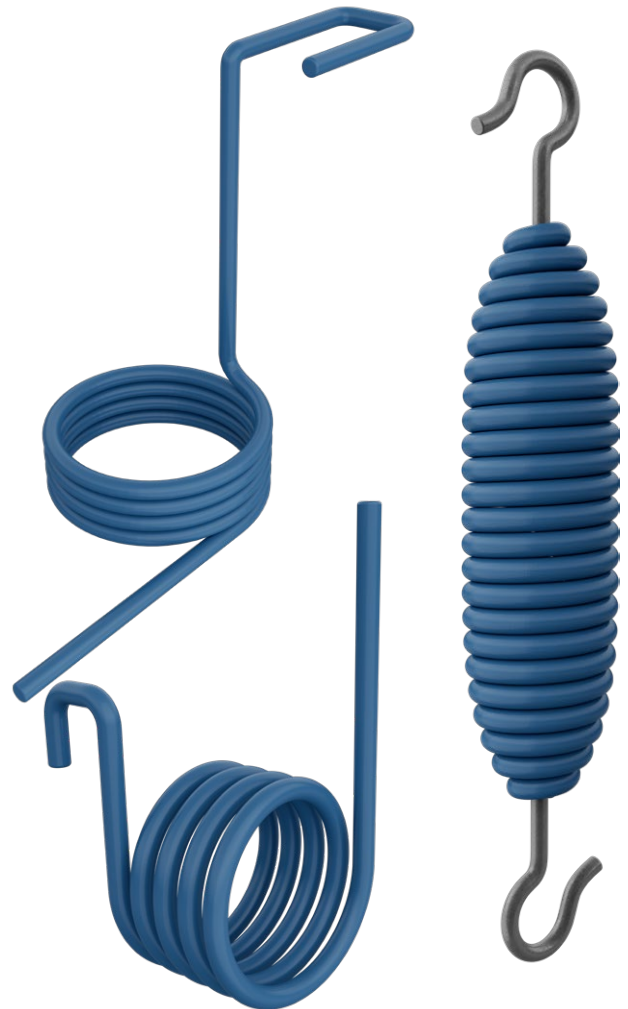
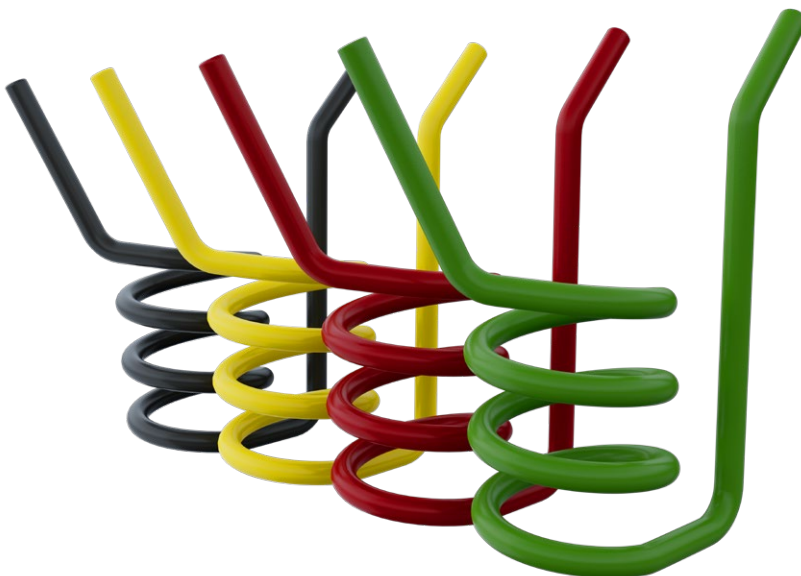


Our wire forming services provide a wide range of design capabilities from stock materials up to .75" diameter. We meet the unique needs of various industries by designing wire forms to perform under the most rigorous conditions. From simple hooks, hydraulic hose holders and brackets to complex multi-axis shapes such as hay rake wheels, our products serve a wide range of OEM products and industries.

## Production capabilities

We have developed efficient production capabilities that deliver high-quality, high-volume components quickly and cost-effectively:

- Powder coating
- Insertion of custom castings
- Sub-assembly services
- Research, prototyping & testing



**Next-stage manufacturing**

Our internal capabilities include next-stage manufacturing services and sub assembly. From wire forming, advanced manufacturing and robotic welding, to paint and powder coating, our processes are designed for high-capacity production.

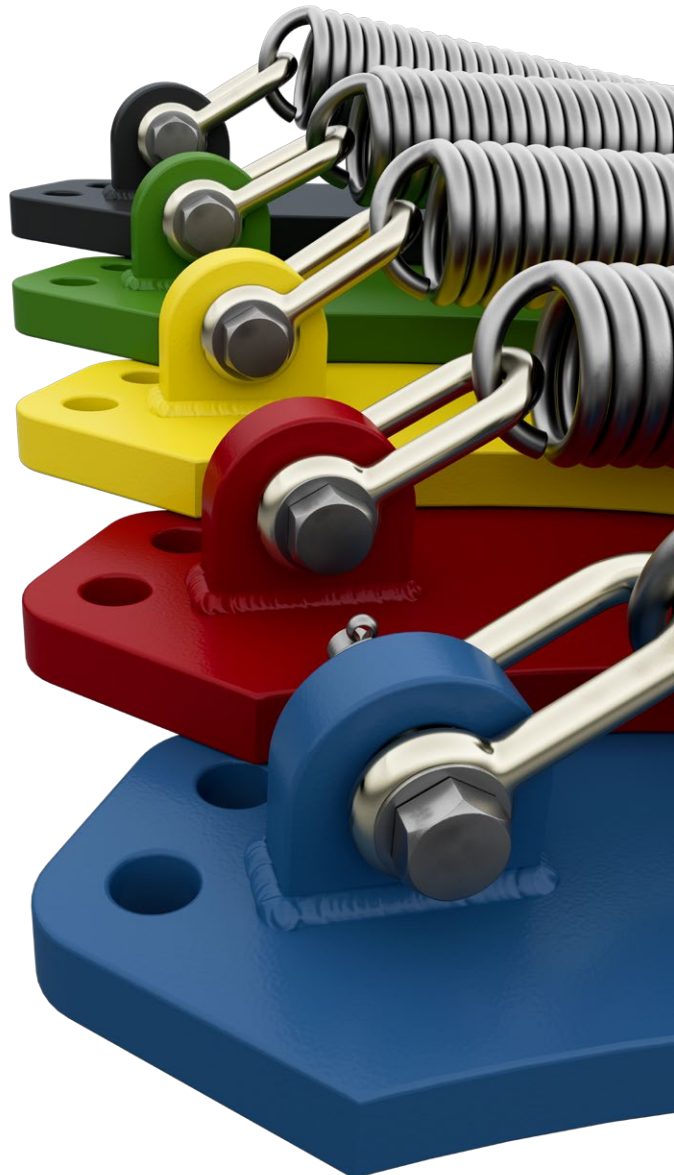


We offer a wide range of stock powder coating colors and can also match specific brand colors.



**Powder coating**

With one of the largest powder coating facilities in Western Canada, we provide a wide range of coatings for superior wear resistance and corrosion protection.





Custom wire forming and precision springs



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