

CUSTOM OFFERINGS - TRUSTED PARTNER



THE SAFETY OF 100% IN-HOUSE PRODUCTION

Partner with Special Springs for all your custom spring needs and discover why our name has been respected for years. Regardless of the application, Special Springs leverages its engineering expertise and innovative talents to deliver customized solutions, high-quality materials, and exceptional customer service.

Our extensive experience in developing tailored products and solutions, in collaboration with our clients, ensures that your specific requirements are met with precision and excellence.

Technical Design

Leveraging decades of industry experience and cutting-edge calculation software, Special Springs excels in developing high-quality, custom-designed solutions.

From initial concept to final implementation, we are committed to delivering solutions that meet the highest standards of excellence.



TECHNICAL DATA

Processable range of wire size \varnothing from 2mm to 20mm (0.08in to 0.71in)

Wire \varnothing to be coiled up to 17mm to 26mm (0.787in to 1.023in)

Max outer \varnothing 220mm (8.66in)

Max free length in house 470mm (18.504in)

MATERIALS

Chromium Silicon
52 SiCrNi5

Chrome Vanadium
50 CrV4

Stainless Steel
Aluminum
Copper
Music Wire

Other materials
Upon Request

E-COAT | GEOMET | COATINGS | ETC

Please Contact: info@specialspringsna.com or Call: **734.892.2324** for Inquires



Cold Profiling

- From the wire to the profile, its all about our know-how.
- We have been making Custom Springs for more than 40 years.
- We know products and different applications to perfection.



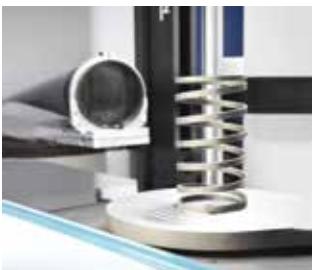
Treatments

- We master all the production techniques required to give the best mechanical and qualitative features to the springs.
- Upon request, we can perform internal and external grinding and vibratory finishing treatments.



Coating

- Using electrophoretic coating in green, blue, red, yellow, & grey colors in order to guarantee the maximum corrosion resistance, the maximum thickness and a uniform coating.
- Can apply a normal powder coating in other colors upon request.
- Other Coating Available: GEOMET | MAGNI | ZINC.



Final Check

- Our industry demands perfection, and we are perfectionists by nature.
- We perform static, dynamic and metallographic tests
- in our laboratories to ensure the compliance of the product to the project.



Profiling contract work

Workable material:

- Steel (Type 50CrV4 - 52SiCrNi5 or similar)
- Stainless Steel
- Aluminium
- Copper

Obtainable tolerances: +/- 0,03 mm

Starting dimensional limits of the material:

- Steel (Type 50CrV4 - 52SiCrNi5): round max 20mm, squared max 18x18 mm;
- Stainless steel: Round max 12 mm, squared max 12x12mm;
- Aluminium: Round max 22mm; squared max 20mm;
- Copper: Round max 22mm; squared max 20mm;

Minimal dimension limits of execution for all indicated material:

- (base x height) 1,5x1,5 mm or 3x1 mm;

Range of profiles



Our Products Meet US & ISO STANDARDS

About Special Springs:



Special Springs North America is a proud subsidiary of Special Springs S.R.L., headquartered in Romano D'Ezzelino, Northern Italy, where our state-of-the-art R&D and manufacturing facilities are located.

Founded in 1978, Special Springs S.R.L. has been a leader in the industry for over 45 years. Our North American division, strategically situated in Southeast Michigan, is dedicated to serving customers across the United States, Canada, and Mexico.

This service, sales, and distribution center stocks hundreds of thousands of nitrogen gas, die springs, custom springs, and more ensuring immediate delivery throughout North America.



Various Product Lines AVAILABLE!

Industry Leader in Nitrogen Gas Springs, Mechanical Die Springs, Custom Springs + Much More!

SPECIAL SPRINGS LLC

7707 Ronda Drive | Canton, MI 48187 USA | **Phone:** 734.892.2324

Email: info@specialspringsna.com | **Website:** www.specialspringsna.com