

CUSTOM SPRINGS



THE SAFETY OF 100% IN-HOUSE PRODUCTION

If our name is Special Springs, there is a reason. There are actually many reasons, but by choosing our Custom Springs, everything becomes clear.

In addition to the design and production of a wide range of standard die springs, we do have a long and recognized experience in creating solutions for specific applications and tailor-made products.

Springs designed together with our customers, starting from their specific needs.

Our Custom Springs are the off-series created by those who have always improved, combining performance and safety. A quality guaranteed by the in-house management of the whole production cycle:
from the technical design...

Technical Design

A long experience and the use of the most advanced calculation software allow us to create dedicated work teams for each project, in close contact with the customer.

Cold Profiling

From the wire to the profile, it's 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



We apply the cataphoresis painting in green, blue, red, yellow and grey colors, in order to guarantee the maximum corrosion resistance, the minimum thickness and a uniform coating.

We can also apply a normal powder coating in other colors upon request.

...up to 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.



TECHNICAL DATA

Processable range of wire size Ø from 2mm to 20 mm.

Wire Ø to be coiled up to 17 mm or 26 mm

Max outer Ø 220 mm

Max free length 470 mm in House

MATERIALS

Chromium Silicon
52 SiCrNi5

Chrome Vanadium
50 CrV4

Stainless Steel
Upon request

Other materials
Upon request

Profiling contract work

Workable material:

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

Obtainable tolerances: +/- 0,03 mm

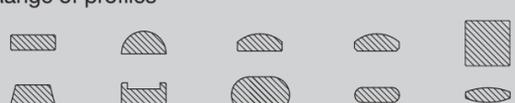
Starting dimensional limits of the material:

- 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



Please contact info@specialsprings.com for inquiries about our custom springs.