

## Why choose Bekaert?

### The wire drawing and coating specialist

Bekaert has the flexibility, the historical background, and the technical skills to create the product you need no matter what construction, shape, composition or mechanical characteristic. We have been in business for over 130 years and are available in over 120 countries.

### Optimize your application

Our extensive coating portfolio ranges from the standard galvanized solutions to the more sophisticated zinc aluminum Bezinal® range to numerous other materials (e.g. lacquer, polymers, ceramics, etc.). Bekaert's coatings can be applied separately (or combined) in whatever amount is needed, from nanometers to micrometers.

### Your strategic partner

Our global experience means that your products are manufactured to strict international standards of safety and quality. Our local presence means that we are at your service at all times. In the event of a question or concern, a trained professional will answer your call as soon as possible.

Whatever your application, we will work closely with you. Together, we will create a lasting solution that answers your needs.

## Bezinal® XC coated wire for high-end, critical springs

**The ultimate spring wire for superior coilability and increased production efficiency**

### What can we offer you?

Bezinal® XC is a new type of zinc aluminum coated wire that has been specifically designed for high-end, critical springs. While this advanced coating offers superior corrosion and cathodic protection, its most important feature is shown during the production process. Thanks to the superior coilability you can achieve excellent production efficiencies similar to phosphate coated wires.

Bezinal® XC is suitable for extremely demanding applications, especially when dimensional stability is critical.

### Benefits

- Excellent coilability - reduced dust formation and limited flaking
  - Less machine cleaning
  - No impact on sensor and measurement systems
- Higher production efficiencies - significantly lower spring rejection rates
- Retains properties even after exposure to stress-relieving temperatures
- Longer lifetime when compared to galvanized wires

### Discover the excellent processing properties of Bezinal® XC

Unlike zinc coatings, the integrity of the Bezinal® XC coating remains unchanged even under heavy deformation and high stress-relieving temperatures, keeping its excellent corrosion resistance intact.

The following tests show exactly how Bezinal® XC performs compared to phosphate coated and standard Bezinal® products.

### The coilability test

The graphs on the next page show the average standard deviation of the spring length for 1000 springs.

Similar to phosphated wires, Bezinal® XC significantly reduces the overall spread on spring dimensions. Its advanced properties substantially improve the dimensional stability of the manufactured springs and reduce spring rejection rates. Also, no flaking issues were encountered during coiling with Bezinal® XC.

Bekaert ([www.bekaert.com](http://www.bekaert.com)) is a world market and technology leader in steel wire transformation and coatings.

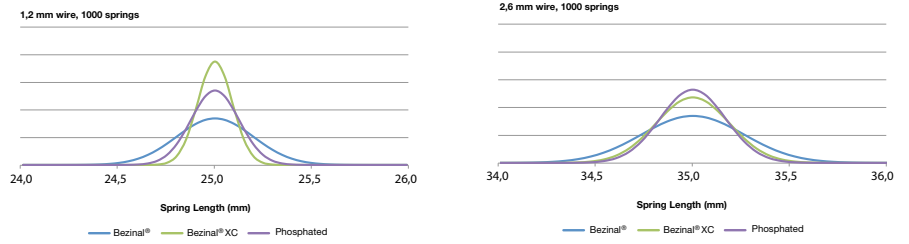
Bekaert (Euronext Brussels: BEKB) was established in 1880 and is a global company headquartered in Belgium, employing more than 25 000 people worldwide. Serving customers in 120 countries, Bekaert pursues sustainable profitable growth in all its activities.

Would you like to know more about our products and services?

Feel free to contact us.

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[www.bekaert.com](http://www.bekaert.com)

## Distribution of the spring length variation as function of coating type



## Product range

	Static applications	Dynamic applications
Specification	DS-01-50	DS-01-50
EN-norm	10270-1 (SL/SM/SH)	10270-1 (DM/DH)
JIS-norm	G3521 (SWA/SWB/SWC)	G3522 (SWP-A/SWP-B)
ASTM-norm	A227 (Class I, II)	A228
Diameter	1.20-4.00 mm	1.20-4.00 mm
Salt spray resistance (ASTM B117)	On wire diameters < 1.50 mm: min. 240 hours until 5% dark brown rust On wire diameters ≥ 1.50 mm: min. 360 hours until 5% dark brown rust	

### Packaging

- Conical spools for trouble-free unwinding



- Large metal spools



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