

 **BEKAERT**

better together

Low relaxation  
PC strands  
for construction

Full range. Better structures.



Increase the performance and lifetime of your concrete structure with Bekaert PC strands. As an experienced producer of steel wire solutions, we fully control the quality our products; from wire drawing and coating to stranding and testing. We offer a full range of PC strand solutions, which have been thoroughly tested and certified according to industry standards.

**Build better structures. Rely on Bekaert.**

## Developing your business together

We see our customer relation as a partnership facing a common and stimulating challenge: to create stronger, better and cost-efficient concrete structures. Together we can create the perfect wire or strand that meets both current and future quality and design requirements of the construction industry.

## Adding value to your strands

An important part of our R&D and sales support work is to discuss and support you, our customer, in defining the perfect strand for your application. We focus on developing new production processes and testing procedures to satisfy the emerging needs and requirements of you and your customers.

Bekaert follows various control procedures including online production control and extensive lab testing. Our research team also works closely with our customers and partners to develop and perform customized tests.

## Made and Melt in the USA



Made in the USA

## Discover the benefits of galvanized PC strand

Corrosion is the number one cause of failure in steel-reinforced structures. Galvanized PC strand provides tangible cost benefits to structures by increasing overall lifetime, reducing maintenance needs, improving aesthetics, and providing more durability during installation. Galvanized strand can be used in long-span bridges, post-tensioned structures or in prestressed concrete to combat premature failures.



## Choose your properties

Bekaert has a wide range of capabilities to fine-tune the mechanical features of strands. These include different compositions, shapes, coatings, relaxation classes and diameters.

Shape	Plain
	Indented
Relaxation	< 2.5 @ 70% GUTS
Elongation	≥ 3.5%
Coating	Bright
	Galvanized
	Bezinal®
Strand diameter	0.5", 0.52", 0.6", 0.62", 0.7"

## Types of strands

- Uncoated strand
- Galvanized strand
- Bezinal® coated strand
- Indented uncoated strand
- Indented galvanized strand

## Value-added packaging

In addition to coils and wooden reels, Bekaert offers corrosion resistant Cal Wrap packaging to increase durability during shipping and on-site storage.



### FITNESS FOR DOWNSTREAM PROCESSING

The consistent dimensions and high ductility of Bekaert steel wire enables smooth downstream processing for stranding, coating or indenting.

We are able to precisely meet a wide range of customer needs for coat weight, dimensional tolerances and mechanical properties.

To guarantee the uncompromised quality of our products, Bekaert's production processes are ISO 9001 and ISO 14001 certified. Our plant in Van Buren, AR, produces strands that are compliant to ASTM A416, ASTM F432, PTI and PCI standards



ISO 14001  
certified

ISO 9001  
certified



## BEKAERT PC STRANDS IN PRACTICE

### Challenge

The Tappan Zee Bridge is a new and state-of-the-art cantilever bridge in the US state of New York. While designing the pile caps on which the bridge rests, engineers needed a unique reinforcement solution that would help ensure the goal of +100-year bridge-life.

### Solution

New York State Thruway Authority Approved the use of Bekaert galvanized PC strand based on its proven performance, certified quality and domestic manufacturing.



## A wide application range

Bekaert develops and manufactures prestressing strands for a wide range of concrete applications. Our main applications include piles, poles, beams, girders, prestressed concrete slabs, water reservoirs and ground anchors.



### Post-tensioned structures

Bekaert uncoated or galvanized strands are the ideal component for large concrete post-tensioned structures such as bridges, parking structures and high rise buildings.



### Precast elements

Bekaert PC strands feature consistent mechanical properties and are widely used for production of various precast elements, including structural members.



### Cable Stay Bridges

Increase the safety and reliability of your stay cable structure with Bekaert's highly ductile, high tensile strands. Meet 100-year design life with our galvanized stay cables.



### Cable mining bolts

Smooth and indented cable mining bolts provide critical stabilization for excavators. Bekaert's reinforcing strand has the flexibility, high resistance and low linear weight needed to anchor closed or open-pit structures. Our bolts are available uncoated or galvanized and can be used as tensioned or untensioned anchors.



# Why choose Bekaert?

## Your wire transformation and coating specialist

No matter what shape, composition or mechanical characteristic your steel wire application requires, with over 135 years of experience, we have the flexibility and technical know-how to comply.

## The experienced producer of steel wire building products

Whatever your design is, we can help you build it. Our wire solutions for the construction industry include a wide selection of strands, fibers, meshes, fences and customized products.

## Customer-driven innovation

Together with customers and independent research partners, we are able to create new solutions that keep up with industries' evolving needs. Our in-house engineering department develops machinery, testing and process equipment to bring those new products to reality.



**Local service. World-class quality.**

Bekaert is a leading producer of low relaxation PC strands. With production facilities and sales offices strategically located across North America, we are able to deliver consistent quality, reliable service and competitive pricing to any location.

Contact us

More  
Information?

**Sales office**  
1395 S. Marietta Pkwy  
Building 500; Suite 100  
Marietta, GA 30067  
770 514 2219  
[www.bekaert.com](http://www.bekaert.com)

**Manufacturing site**  
1881 Bekaert Drive  
Van Buren, AR 72956

**Modifications reserved**  
All details describe our products in general form only. For ordering and design only use official specifications and documents. Unless otherwise indicated, all trademarks mentioned in this brochure are registered trademarks of NV Bekaert SA or its subsidiaries.  
© Bekaert 2018