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Energy

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Pretec – Let's connect

Pretec AB was founded in 2004 and has for the past years developed a solid product range with approximately 17,000 items, of which over 3000 are products in stock.

We have employees who are specialized in Steel and Industrial Construction, Rock and tunnel, Prefab and concrete as well as the Energy industry and can therefore offer you the right expertise and different solutions for your particular purpose.

With our experience, we help our customers to develop the most user-friendly and cost-efficient products. Our warehouse is customized with both standard and special products. Our range is constantly growing and we can guarantee fast deliveries on our stocked products. We also develop products continuously and have good technical expertise in our segments.

Over the years, we have managed to establish different contacts around the world, which means that we can be at the

forefront today when it comes to ensuring that our products are both correct quality and correct price. Our long experience, knowledge and commitment together with strong suppliers make us a reliable partner.

With our own production, welding and workshop department we can manufacture customized and tailor-made solutions for your project.

Our own production facilities allow us to handle special solutions for drawings through roller threading, cutting threading, cutting, internal threading, punching, bending, clamping and welding.

Pretec's welding department is certified according to EN 1090-1. We manufacture from customer's wishes and can deliver CE marked products with rapid delivery time. Continuous expansion of our welding department allows our welding capacity to get even bigger and better.



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HIGH VOLTAGE



Castings and assembly high voltage

High voltage projects have different project requirements depending on the external factors such as environment and location. Projects may need products made from specific detailed drawings based on the project's requirements.

Pretec can help with a wide range of castings for high voltage, which can be specially adapted from the customer-specific requests. Examples of items where we are helpful are foundation bolts, nuts, washers, anchor plates and more.



Foundation Screw

The foundation screw that is carried out with a threaded rod is available in a wide range of dimensions and in different types of steel.

The foundation screw can be cut to your desired length and then completed with nuts and washers. It can also be delivered in your desired design – untreated, electroplated or hot-dip galvanized. In addition, they are available in a variety of stainless steel and acid-proof qualities.

The bars can also be supplemented if desired with end anchoring to be anchored even more in the concrete.





E-MOBILITY

The expansion of the charging infrastructure is in full development. Pretec has products that facilitate assembly and installation of charging stations, both AC and DC. For the steel foundations, we have developed a range with customized accessories to support your E-mobility needs.

DC Charging

Steel Foundation for DC Chargers

Our steel foundation for DC charging facilitates groundwork as you do not need to hire a crane truck already when laying the foundation. The low weight of the steel foundation also makes it easy to weigh in and thanks to the flexible cable entry there is plenty of room to pull cable channel into the steel foundation.

Protective bag, foundation

The protective bag is a strong, reflective and waterproof bag that limits the risk of damage on the steel foundation and the power cable. It is used until the day you install your pole or charging station on the steel foundation. The protective bag is also washable which allows you to reuse it several times.

Adapter

Adapter is made to order as the hole pattern to attach a charging station to the foundation can vary. The top plate has the same hole pattern as the anchor holes of the charging station to be installed. Contact Pretec if you are interested, and your adapter will be produced according to your request!



AC Charging

Steel Foundation for Charging Post

Pretec's steel foundations for charging posts have been optimized for car charger installation. Mounted M20 screw with cc spacing 160 mm allows you to mount several different pole brands on Pretec's steel foundation. If you are going to install Ø60-pipes Pretec offers our own produced Ø60-pipe pole which is complemented by a top bracket adapted for the wallbox to be installed.

The steel foundation has a unique lifespan thanks to our own surface treatment PC-Coat. The low weight (approx. 9 kg) means that you can easily move and weigh in the steel foundation without the help of an excavator.

A large double-sided cable entry allows the installer to pull several cable channels into the steel foundation and therefore have good opportunities for sewing together several foundations. This means that you get a greater time saving as you install more steel foundations in one working day than other foundations available on the market.

Charging Pole for Car Chargers

Pretec's Charging Post has been designed to make it easy to mount on a buried Pretec steel foundation. The charging post is made of a Ø60 mm steel tube and has a welded-on footplate with a hole pattern Ø24 mm cc 160 mm. Height 1 100 mm. The charging post is available in two designs, powder-coated matte black or hot-dip galvanized.

Cable Holder

Pretec's cable holder is made of stainless steel which is then powder coated. With the rubber-covered bracket the cable holder can be easily mounted around a Ø60 mm pipe. Also available with your own cut-out logo and in optional color for larger order quantities.

Impact Post

Pretec's Impact Post is designed for easy installation on a buried Pretec steel foundation. The impact post is made from a Ø108mm steel tube and has a welded base plate with a hole pattern of Ø24mm and a center-to-center distance of 160mm. Height 750mm. Reflective tape is mounted around the top of the post to make it extra visible in the dark.





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LAMP POSTS

Pretec manufactures lamp posts that are CE marked according to NS-EN 40-5. Safety class 0 according to EN 12767. Designed and dimensioned according to NS-EN 40-3 with wind loads from NS-EN 1991-1-4. Hot-dip galvanizing is carried out in accordance with EN-ISO 1461. Characteristics according to performance reporting.

Stepped lamp post

Pretec's lamp posts are delivered in two parts for easy transport, storage and assembly. 6 meter poles and lower ones are delivered in one length. All connection hatches are located 80 cm above the footplate to make the working conditions for the fitter as good as possible, the hatch is designed with the largest possible opening. The mounting plate for the fuse is raised high in the hatch to get as much space as possible for cable and terminal blocks. We can also deliver the posts painted in any RAL color required.

Steel Foundation for Lamp post

Steel foundations are supplied with attached fastening material for mounting lamp posts. The lamp posts can be easily adjusted afterwards if there are any subsidence. The cable entry is double-sided, and the height of the cable entry is flexible.

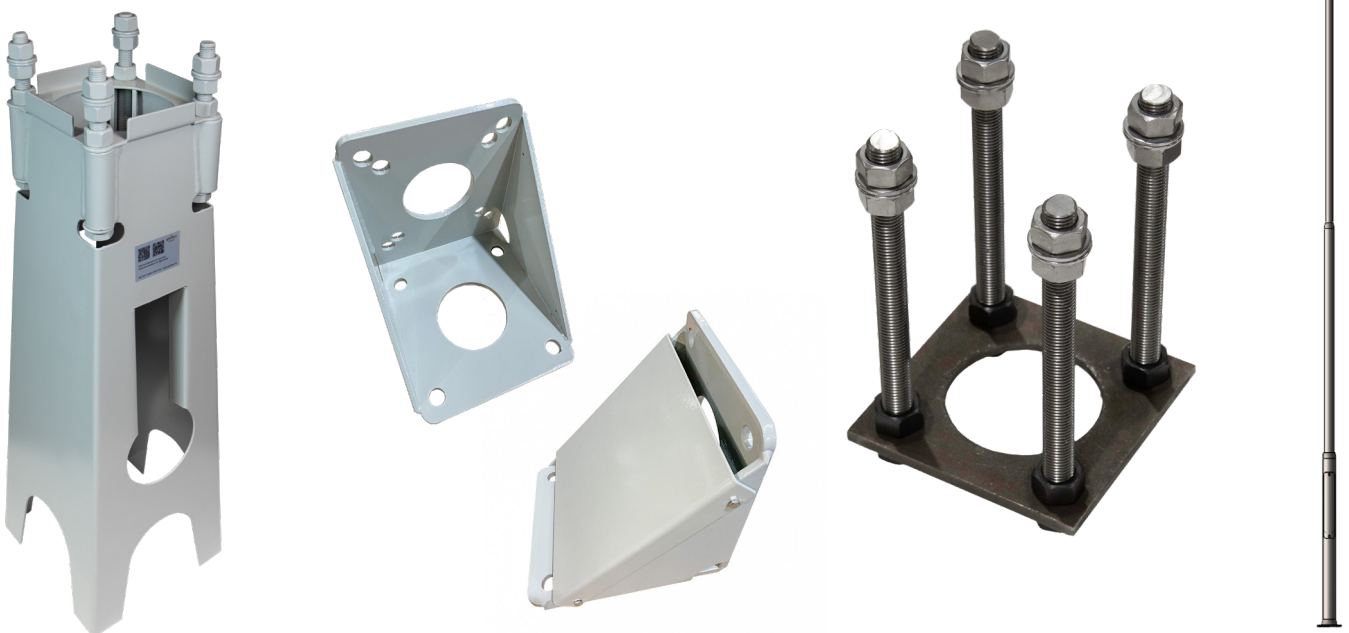
Wall Foundations

Bridge and wall foundations for mounting lamp posts on concrete structures, such as bridges. The foundation for bridges and walls is made to withstand the combination of strong winds and high masts.

The foundation plate is universal for lamp posts with CC 160 and 200 (240). To protect the cable as well as give it a nicer look, the foundations are delivered with a protective plate that is easily and securely attached to the foundation.

Bolt Groups

Bolt groups for cast in concrete are suitable for fastening walkway railings, noise barriers, bridge railings, lamp posts, etc. The group consists of threaded rods, washers, nuts and anchor plates.



PC-COAT®

PC-Coat surface treatment – When life span is important! A surface coating that provides optimal corrosion protection for steel, with technical approval by SINTEF.

The three different processes take place in the following order:

- **Hot-Dip Galvanizing** – blends in with the steel surface. According to EN ISO 1461.
- **Zinc-Manganese Phosphating** – binds very strongly hot-dip galvanizing, which then gives an extremely good surface for the powder coating (heat-cured) to adhere against. According to powder coating EN 13438. It is also a significant part of the process to get an approved/meet the requirements for today's infrastructure projects – adhesion.
- **Powder Coating in one or two layers** – the powder coating bonds very well with the phosphate. From untreated to finished product. Image below shows the four stages of the treatment process.

The combination of hot-dip galvanizing and powder coating synergies, giving the system a longer service life than each part individually.

The color of the PC-Coat has been tested by a third party against EN ISO 1519 (elasticity), ISO 2409 (adhesion) and ASTM D2794-93 (impact resistance) with good result. The PC-Coat has also been tested according to ISO 12944-9. Contact us if you wish to see test reports.

For product data sheets with product technical information and operational and maintenance documentation, please contact us. Please see our brochure about PC-Coat on our website www.pretec.se.



Untreated steel

Hot-dip galvanized

Zinc-manganese phosphating

Powder coating







FASTENING AND MOUNTING DETAILS

Pretec has a wide range of fastening and mounting details that are perfectly complemented by the rest of the Energy products. The following products are an example of these.

Structural Bolt EN15048-1

CE marked non-preloaded structural bolting assemblies to meet the requirements of SS-EN 1090-2/ SS EN10204:2005. Screw and nut are co-sampled from same manufacturer and supplied in common packaging. Certificate EN 10204 3.1 included.

Washers and Nuts

We stock a wide range of standardized washers and nuts in different materials, dimensions and designs.

Threaded Rods

We stock a wide range of standardized fully threaded bars in different materials, dimensions, lengths and designs. With our own production facilities, we also cut to customized lengths.

Stainless/Acid-proof hexagon screw

We stock acid-proof screws, mainly in A4-80 according to DIN 931/DIN 933 in several dimensions and lengths.

Injection Adhesive

CE marked injection adhesive approved for use by threaded rods in both cracked and uncracked concrete. Also available in a winter version approved for work in sub-zero temperatures down to -20°C.

Wedge anchor

Wedge anchor is available in Option 1 (approved for cracked and uncracked concrete) and Option 7 (approved for uncracked concrete) in various designs and dimensions. Provides a fast, easy and secure installation.

Concrete Screw

Option 1 and Option 7 approved concrete screws in different designs and dimensions, enables assembly near edges and at adjacent anchors without destroying the concrete.





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We focus on long-term relationships –
we want to be your partner.

We have good knowledge of the
construction industry and a large
warehouse in place to deliver quickly and
securely.

Our products are checked and
documented – we focus on quality.

Our own production facilities
manufacture customized and
tailor-made solutions for your project.



Pretec AB | www.pretec.se

Barnebergsgatan 10-14, 442 40 Kungälv

0303-35 19 00 | order@pretec.se