

A REVOLUTION IN STEEL FROM SSAB SWEDISH STEEL



Now IT'S POSSIBLE

DOGAL PRESENTED BY SSAB SWEDISH STEEL



"This is what we have been waiting for"

CUSTOMER



"This solution is going to save both time and money"

SSAB SWEDISH STEEL

ULTRA HIGH STRENGTH STEELS – HOT-DIP GALVANISED – CAN BE BENT TWICE, WITHOUT CRACKING – MAKES NEW DESIGN SOLUTIONS POSSIBLE

www.dogal800dpx.com

SSAB
SWEDISH STEEL



We are proud to present an amazing solution

An ultra-high strength steel that can be bent twice – without cracking. The problem that seemed impossible to solve is now no longer a problem. Dogal 800 DPX opens new opportunities to the automotive industry. Not only has Dogal 800 DPX the properties that will make new designs easier to achieve. Thanks to the combination of an ultra-high strength steel that is hot-dip galvanized and can be bent twice, it's also possible to produce beam structures that improve the safety of vehicles.

Futhermore, Dogal 800 DPX will make a major economic difference, since using the steel will minimize the scrapping rate. Last but not least, we believe that Dogal 800 DPX will encourage creativity – for us as well as for our customers.

Dogal 800 DPX – Ultra High Strength Steels

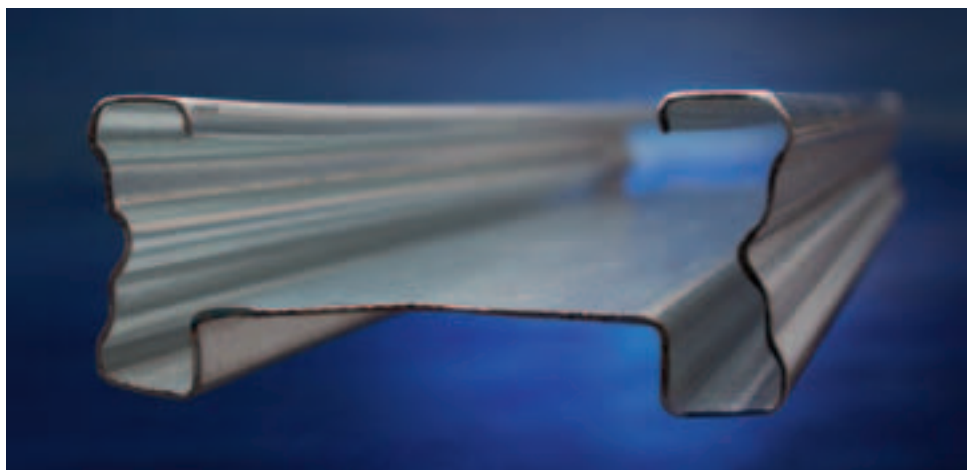
Dogal 800 DPX is an ultra-high strength steel that is hot-dip galvanized for protection against corrosion. Dogal DPX grades are dual phase steels that contain ferrite, which is soft and contributes to good formability, and martensite, which is hard and contributes to the strength of the material.

The difference between the yield strength and tensile strength of a steel is normally wide in the unworked condition but decreases rapidly on cold working. The spring-back of Dogal DPX grades after cold forming is lower than that of HSLA steels with the same tensile strength. DPX steels are generally easy to cold form and are excellent for stretch-forming due to the wide difference between the yield strength and tensile strength, i.e. due to the high work hardening exponent. Compared to normal dual phase steels, DPX steels have improved formability properties, especially in bending and reverse bending operations.

Has good listening anything to do with ultra high strength steel?

SSAB Swedish Steel would not be able to look back on a century of dynamic development were it not for the demands of our customers and our way of listening to them. Working together with our customers has led to our having become the leader in ultra-high strength steels. Looking into the future, we are dependent on continuing to be a good listener, as well as serving as an active partner in the design and development work of our customers. In addition to being consistent in improving important features such as strength, weight, transport, the environment and economics to the benefit of our customers, we are also determined to have the answers to tomorrow's questions. So research and development is a big issue for SSAB Swedish Steel, which is why the company is now a leader in extra-high and ultra-high strength steels.

If we are to give our customers the best possible assistance, we must keep on listening and we must deliver optimized technical solutions and the necessary knowledge. And that is what we will continue to do – since it has proved to be one of our greatest strengths for more than 100 years.



SSAB Tunnpått AB is the largest Scandinavian steel sheet manufacturer and a leader in Europe in the development of advanced high strength steels.

SSAB Tunnpått is a member of the SSAB Swedish Steel Group, has a turnover of SEK 10 billion, and employs more than 4000 persons in Sweden. We produce around 2.5 million tonnes of sheet steel every year.

Our environmental policy involves continual improvements to the efficiency of production processes and environmental care plants, and development of the environmental properties of our products from the life cycle perspective.

We manufacture the following steels in our modern, high-efficiency production lines and rolling mills for strip products:

DOMEX®

Hot-rolled steel strip

DOCOL®

Cold-reduced sheet steel

DOGAL®

Hot-dip galvanized sheet steel

PRELAQ®

Prepainted sheet steel

Registered trademarks of SSAB Tunnpått AB.

We assist our customers in selecting the steels that are best able to improve their competitiveness. Our strength lies in the quality of our products, the reliability of our supplies, and our flexible technical customer service.

dogal800dpx.com



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