



Introducing STRUCPRO:

A new generation seismic dampers

STRUCPRO stands for structural protection. Drawing from our long experience from both the rail and bridge industry, we have incorporated all our knowledge in this new generation of seismic dampers. A flexible platform of viscous hydraulic dampers created to withstand the forces of nature in the toughest environment and to fulfill the latest design requirements in earthquake protection. Welcome to discover the STRUCPRO damper series.

A growing bridge portfolio

The application area of structures, including bridges, is not new to us. Our vibration dampers are to this day installed on more than fifty stay cable bridges around the world, including two of the world's longest: the Yavuz Sultan Selim Bridge in Istanbul, Turkey and the Russky Bridge in Vladivostok, Russia. With the STRUCPRO we expand our offer in the structure segment, becoming more of a complete supplier of dampers for all needs.

The STRUCPRO family – a scalable platform

The STRUCPRO Series is a flexible and scalable platform within the 500-2500 kN range. The damping characteristic can easily be adjusted on each damper to fit any force and displacement requirement

Quality

All dampers are designed and produced in Sweden in accordance with EN 15129:2009 requirements. The STRUCPRO has undergone extensive testing and simulation. Both in-house during development and by EUCENTRE which is one of the top third party test institutes for seismic research and testing.



Compact design

In the design process we have focused not only on performance, but also to achieve a compact design. This is significant for transport efficiency and handling. The low weight simplifies transport and mounting while you still benefit from first class protection against seismic activities.

The comparably small size also makes it possible to integrate the dampers discreetly in most applications where protection against seismic activity is needed, such as bridges and other structures.

Long life seal solution

In the STRUCPRO platform we utilize design principles where we draw from our experience both from offshore power grid applications and our extensive knowledge within the rail industry. Once installed our long life seal solution will provide up to five decades without the need for intensive maintenance.

High strength steel

By using high strength steel, we have managed to significantly reduce the weight compared to previous generations of comparable dampers on the market. This choice of material is used to ensure the damper withstands the extreme forces of an earthquake. By stabilizing the movement it protects the structure to keep it operational and safe.

About Dellner Dampers AB

We have provided customized damping solutions for over 50 years. We are since 2003 a subsidiary of Dellner Couplers, a world leading manufacturer of couplers for the rail industry. Our products are used across the globe in rail, industrial and engineering applications by many of the world's leading manufacturers. We increase the performance, safety and comfort in applications serving millions of people around the world. Wherever there is movement there will be a need to absorb kinetic energy or vibration. The one job our dampers and buffers are created to do day after day, year after year: stabilizing your movement.

More information

Download data sheet and watch the behind the scenes from the testing at: dellnerdampers.se

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