

Scanvaegt 6800 Nordic Line

Modern, sturdy and eco-labelled vehicle weighbridge

**DESIGNED FOR
THE NORDIC CLIMATE
VARIABLE CONSTRUCTION
HEIGHT
MOVABLE STRUCTURE
MINIMAL
MAINTENANCE**



Scanvaegt 6800 Nordic Line is a reliable, eco-labelled weighbridge. It is cast in a very strong type of concrete, based on state-of-the-art technology and designed for a tough and demanding industrial environment.

A modern weighbridge

The Weighbridge 6800 Nordic Line is a modern weighbridge based on state-of-the-art technology. It has been developed on the basis of our long experience of manufacturing and designing weighbridges for tough and demanding industrial environments.

We have optimised the features of the weighbridge - from its reinforcement technology and concrete to its electronics.

By investing in a Weighbridge 6800 Nordic Line, the company receives a weighbridge that can handle the job, regardless of the type of industry or area of use.

DESIGNED FOR THE NORDIC CLIMATE

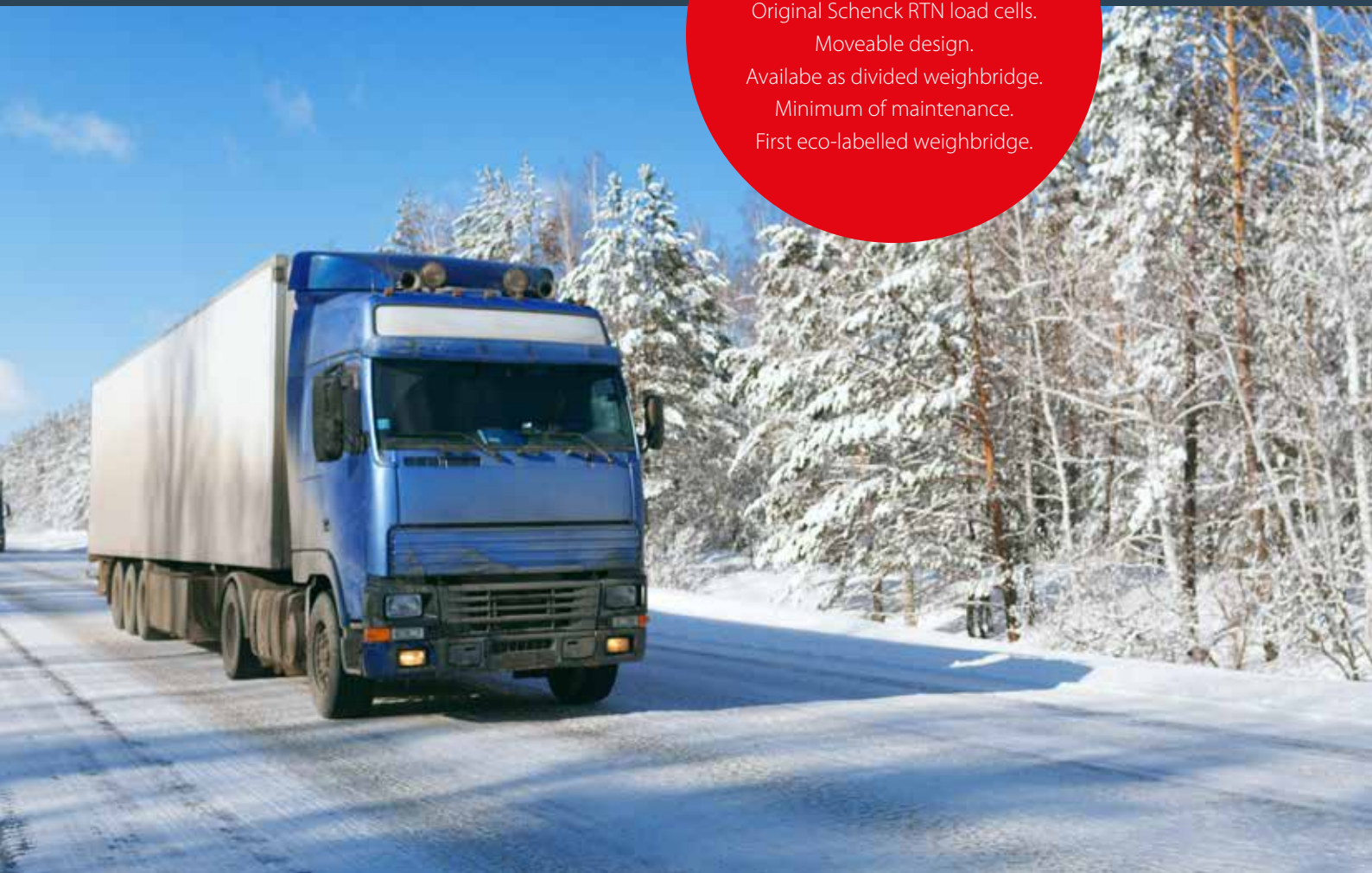
Original Schenck RTN load cells.

Moveable design.

Available as divided weighbridge.

Minimum of maintenance.

First eco-labelled weighbridge.



Strong foundations

Operational reliability and quality provide a strong foundation. The 6800 Nordic Line uses prefabricated foundations for different models. This allows the weighbridge to be placed above ground, in a pit or at split level (one side open). The surfaces of the foundation are angled, which allows water and dirt to run off, further protecting the weighbridge. The end foundations are open along their entire length, which means that there are no hidden surfaces where dirt can accumulate.

Of course, the foundations can also be cast on site. We have complete drawing documents for all variants and can deliver all the casting components.

Divided weighbridges

The 6800 Nordic Line is also available as a divided weighbridge (2x12m). This means that a 24m weighbridge can consist of two separate weighing elements. Both vehicle and trailer can thus be weighed and recorded without the vehicle having to move.





Quality and reliability

A weighbridge is a precision instrument which is subjected to harsh treatment, often in tough environments with dirt, water, snow and varying temperatures. It must, nevertheless, be capable of providing accurate weighing results every day for many years.

Quality and reliability are therefore the most important factors of the 6800 Nordic Line.

The weighbridges and foundation elements are cast in the factory under strictly controlled procedures, ensuring a consistently high level of quality.

The weighbridge is made of grade C45/55 concrete which is resistant to infestation and frost. It meets the requirements of exposure classes XD2/XF4, which cover concrete surfaces exposed to industrial water containing chlorides, and concrete surfaces exposed to ice and frost removal agents.



Robust modular design

The 6800 Nordic Line is based on a very robust modular design, in which each section is 6 metres in length.

The new reinforcement technology allows the weighbridges to be made homogeneously, without reinforcement beams. This affords many advantages.

The weighbridge can be constructed with a very low height, and failure of the weighbridge is minimized, eliminating the risk of future fatigue.

The weighbridge can also withstand pressure across the weighbridge, which may be relevant, for example, to built-in pit weighbridges.

All of this provides a reliable and robust weighbridge that works for many years.

Our concrete has an estimated lifespan of 50 years!

The weighbridge meets the requirements of European Standard EN 13369 and Swedish national requirements. It is BBC- labelled by Nordcert in accordance with certificate no. 2019.

All steel elements are constructed of galvanized or stainless steel.

The load cells are placed high up under the weighbridge to avoid the effects of dirt, snow and ice.

The weighbridge's surface is grooved for maximum grip in all weather conditions.



Eco-labelled weighbridge

The 6800 Nordic Line is the first eco-labelled weighbridge and has been awarded the environmental assessment, recommended, by Byggvarubedömningen, which is its highest rating.

The 6800 Nordic Line has certificate number 46946.



The Byggvarubedömningen's environmental assessment is based on criteria that evaluate the properties of the constituent substances and on the life cycle impact of the product. The product can be rated Recommended, Accepted or Avoid.

The evaluation criteria were prepared by an expert group consisting of environmental and chemical experts.

A great effort has been made to develop the criteria, which the members of the Byggvarubedömningen support. The criteria document can be downloaded from www.byggvarubedomningen.se

The products are assessed in seven areas, which are all evaluated individually.

The different areas are then weighted before the final judgement is determined.

The seven assessment areas:

- Declaration of contents
- Incorporated materials and raw materials
- Manufacturing of the goods
- Transport and packaging
- Utilisation stage
- Waste and demolition
- Indoor environment



In addition to this, the 6800 Nordic Line is manufactured in a facility that Skanska classifies as a Green Facility. Green Facility means that the environmental work in the facility is carried out with a higher level of ambition, above and beyond the requirements in management systems, standards and regulations.

The criteria for Green Facilities must be met within four focus areas; Energy, Climate, Material and Water. Measures must be implemented for energy efficiency, vehicle parks, alternative fuels, waste and food.

Green Facility is Skanska's own eco-label and a tool for increasing the level of environmental activities.

Load cells and electronics

The load cells are one of the most important components of a weighbridge.

The 6800 Nordic Line uses original RTN load cells from Schenck. The unique design of the RTN load cell means that load cell movement is minimised, and all forces are absorbed by the underlying elastomer.

The load cells also produce a high output signal, which prevents interruptions.

The summation boxes are well protected in the weighbridge and, with the complete and effective protection against thunder and over-voltage, the weighbridge is always protected.

Problems with load cell changes during thunderstorms are minimised in the 6800 Nordic Line.



Extreme flexibility

Even stronger...

A reinforced version of the 6800 Nordic Line can be delivered, meaning the weighbridge can handle higher axle and bogie pressure than the normal BK1 class. This may be an advantage if you need to weigh LHD loaders or dumpers on the weighbridge.

The reinforced version allows you to handle both standard and special vehicles on the same weighbridge.

Effective heat

The 6800 Nordic Line can be equipped with heating coils for warming up the weighbridge in winter time.

The heat is distributed throughout the weighbridge, and not only in the driving lane, which frees the entire weighbridge of snow and ice.

Alternatively, water-borne heat can be used if the facility produces its own hot water or waste heat.

Great flexibility

The 6800 Nordic Line allows the customer to choose the construction height of the weighbridge. If you require a low-level weighbridge, the weighbridge can be installed with only 325 mm above ground. This provides great flexibility and makes the weighbridge fit for all purposes and locations.

The 6800 Nordic Line can also be installed on slopes without affecting accuracy, providing greater flexibility and savings in fieldwork.

The 6800 Nordic Line is available in lengths from 6 to 30 metres in order to handle all weighing tasks. Thanks to its unique construction, the weighbridge is easy to move as required and can be extended from, for example, 12 to 24 m.



Accredited laboratory

Scanvaegt Systems' laboratory is accredited in accordance with European Standard EN ISO/IEC 17020, Conformity Assessment (recurring control), with accreditation number 9070, and EN ISO/IEC 17025 on calibration, with accreditation number 496.

Scanvaegt Systems AB is registered with SWEDAC as the control body in Sweden.



Market-leading supplier

Scanvaegt Systems is a Danish-owned company, established in 1932. We develop, produce and market complete weighbridge solutions for weighing, registration, data capture as well as control mobile weighing systems for weighing, registration and optimization of refuse collection. Scanvaegt Systems' weighing programme also includes automatic weighing systems as well as a wide range of industrial scales.

Scanvaegt Systems has its head office in Aarhus, Denmark, and subsidiaries in Norway, Sweden, Germany and Poland, and distributors in a number of other countries. The staff is of app. 200 employees.

Scanvaegt Systems AB has been active in Sweden since 1997 and provides a nationwide service throughout Sweden - from north to south.

The complete partner

Service and support are important factors for our customers and keywords for us.

We provide our customers with comprehensive service and support facilities, including preventive maintenance, training, installation, hotline support, software service, spare parts, verification and recurrent inspections.



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