

Com 90®.
Securing Cargo.



ExTe

Securing cargo. We invented the concept.

**Superior
technical
solutions.**

Smart throw-overs

The soft throw-overs spring back to original position if they catch on grip loaders or truck forks. They do not get bent out of shape and are easy to replace and turn.

Anti-rust finish

All parts are treated with an anti-rust surface finish instead of paint. The lifetime of the equipment is extended and it keeps its attractive overall appearance longer.

Developed down to the last detail

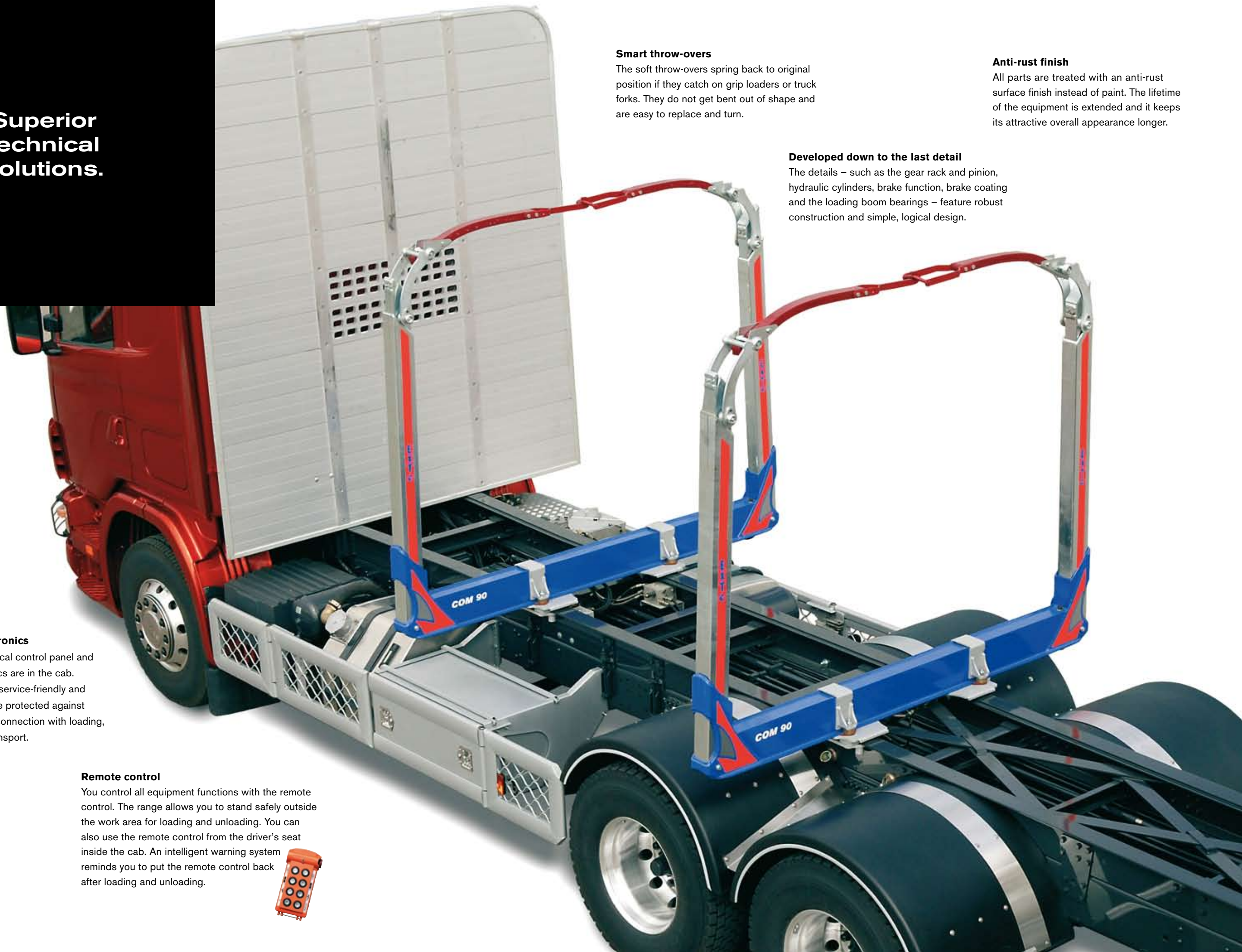
The details – such as the gear rack and pinion, hydraulic cylinders, brake function, brake coating and the loading boom bearings – feature robust construction and simple, logical design.

Protected electronics

The clear and logical control panel and all other electronics are in the cab. The placement is service-friendly and the electronics are protected against potential risks in connection with loading, unloading and transport.

Remote control

You control all equipment functions with the remote control. The range allows you to stand safely outside the work area for loading and unloading. You can also use the remote control from the driver's seat inside the cab. An intelligent warning system reminds you to put the remote control back after loading and unloading.



The world's most modern functions.



Remote controlled load securing
Lashing the load is managed with a simple and unique remote control – you don't have to get near the load to have a total overview. You perform the world's safest and most modern lashing of log loads smoothly and conveniently.



Automatic monitoring
Since the load gets compressed during transport, the system was designed with automatic monitoring and retightening so that you don't have to stop and check that the load is secure.



Telescopic stakes
The more you can reduce drag on the vehicle, the lower your fuel costs. When you are driving empty, the stakes can be lowered automatically to reduce exposure to airflow. And it makes the job easier for the forklift truck operator when the stakes are lowered for unloading.

Latched throw-overs
When the throw-overs are latched to each other, the timber's load on the stakes is reduced by 50%. When you are driving empty, the vibrations in the stakes are reduced and wear damage is eliminated.



Fast load securing
The remote controlled load securing system saves you time during loading and unloading. Over average transport distances, that means you can usually drive in one additional load per shift. And that is good for the bottom line.



**The world's
safest
bunks.**

Com 90 - your own private lane

You can lash your load for transport and prepare for loading extremely fast with the Com 90. When you arrive at the timber delivery point, you simply release the load by remote control, with no need to stop and release tighteners. With the Com 90 you drive on immediately. It feels like you are in your own private lane. That gives you time left over for more loads, improving profitability.

Com 90 - maximum safety

Above and beyond the speed of operation, Com 90 provides a totally unique level of safety. You secure the load with a few button pushes on a remote control. When the load settles during transport, automatic retightening kicks in. Everything is monitored by a safety system with a control panel inside the vehicle. Com 90 is by far the safest system for securing timber for transport on the market.

Safety is our brand

For more than a hundred years, we have been successfully developing and delivering products for safe cargo securing. We select systematic design and production solutions that produce maximum safety in the function. And all products undergo rigorous testing programs on the test bench and in practical operation before they are released on the market. In many countries, the demands we put on our own products have set the standard and been adopted as norms for how safe bunks should be designed.





The best work environment.

Fewer injuries

Musculoskeletal injuries are the biggest cause of occupational injuries. When the body is not subjected to the working positions that cause stress and strain during manual load lashing, the risks of repetitive strain injuries are reduced.

A sound body in the bargain

We have put a combination of inventiveness and creativity to work to create a modern workplace. Our technical solutions eliminate stresses on the human being and we have made the standards of the future available now. Whatever the weather, drivers work in a comfortable environment.

Reduced risk of accident

Remote controlled load lashing means you don't need to stand close to the vehicle. If the logs come tumbling down, you will be out of range. And you don't have to throw cables anymore and overload your body.

Reduced stress

We have taken advantage of technology to eliminate certain time-consuming and arduous steps in loading and unloading. A more consistent working tempo reduces time pressure on the driver.

Lower illness-related absenteeism

When you eliminate steps in the work that entail risks to human health, you are taking good care of your employees – and the company, which doesn't have to bear the costs of recurring absenteeism due to illness.

Technical Data Com 90

Bunks:

Frame weight 88 kg
Inside measurement 2190/2240/2290 mm
Outside measurement 2500/2550/2600 mm

Stakes:

Weight complete with cylinders, brakes, etc., 67 kg/stake
Loading boom weight 4.5 kg each
Complete hook throw-over 5 kg
Complete ring throw-over 5 kg
Binding of the stake top means that the stakes withstand heavier loads than traditional stakes
Tensile force in the binding at 150 bar = 1.7 tonnes
Max cargo height 2800/3000 mm
Min cargo height 1700/1850 mm
Built-in stake brakes
High-speed function (for faster raising/lowering of the stakes)

Hydraulic System:

Hose dimensions: (vehicle)

- Suction line = 1"
- Pressure line, pump – filter – valve = 1/2"
- Pressure line valve – distribution manifold = 3/8"
- Pressure line distribution manifold – stakes = 1/4"
- Signal line = 1/4"
- Brake line = 1/4"

Hose dimensions: (trailer)

- Pressure line, pump – valve = 1/2"
- Return line to tank = 3/4"
- Control line valve – distribution manifold = 3/8"
- Control line distribution manifold – stakes = 1/4"
- Signal line = 1/4"
- Brake line = 1/4"

System pressure 150 bar

Back pressure, brakes 40 bar

TH 120-140 bar

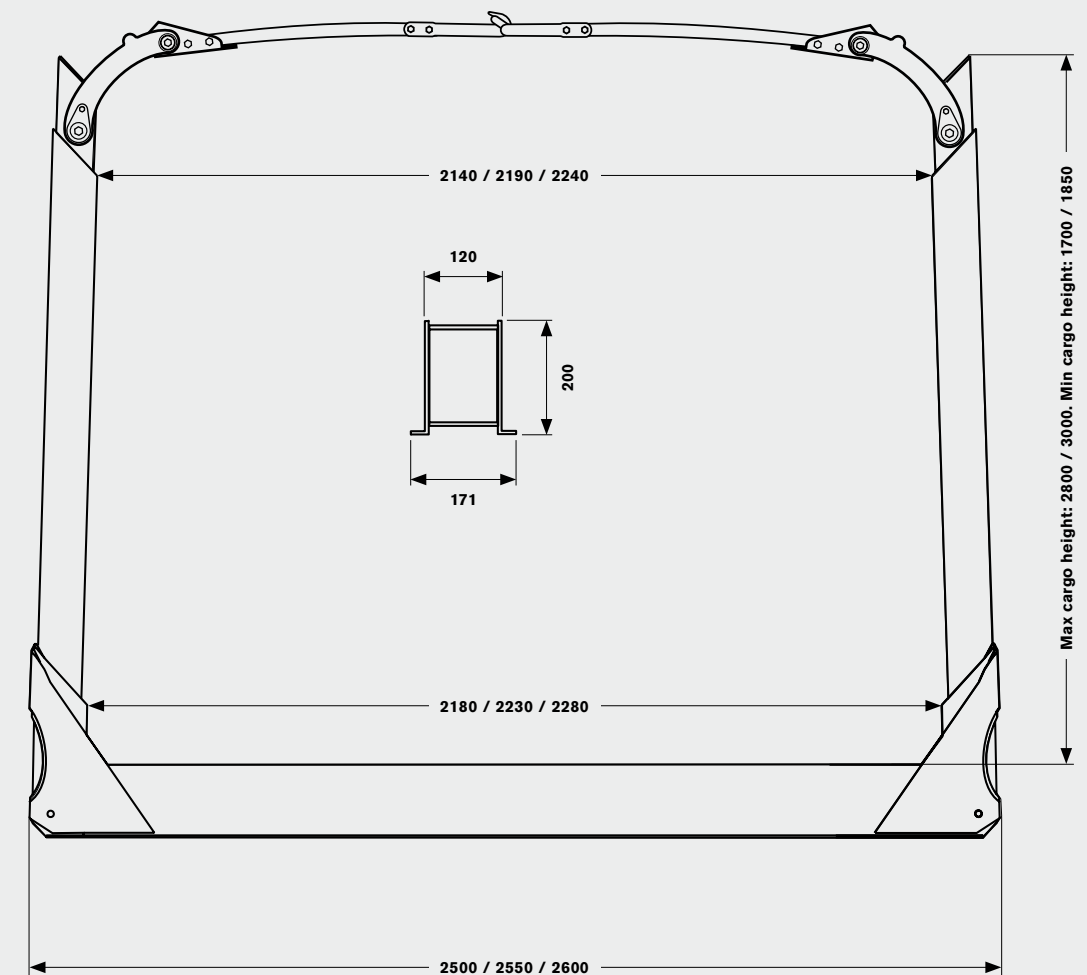
TL 100 bar

Automatic retightening

The pressure guard records pressure drop in the hydraulic system.

We recommend thin oil for the hydraulic system, e.g., Hyndla Bio SE 22, Hydra way Bio PA 22, Holbein Bio LT 22 or the equivalent.

Technical Data Com 90



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ExTe has by far the widest range on the market for all needs. Your best guarantee is development that never compromises on safety.

You can read more about ExTe's products on our website at www.exte.com, or in our folders. Ordering of folders: tel. +46 (0)651-175 00, fax +46 (0)651-175 03, e-mail info@exte.se

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