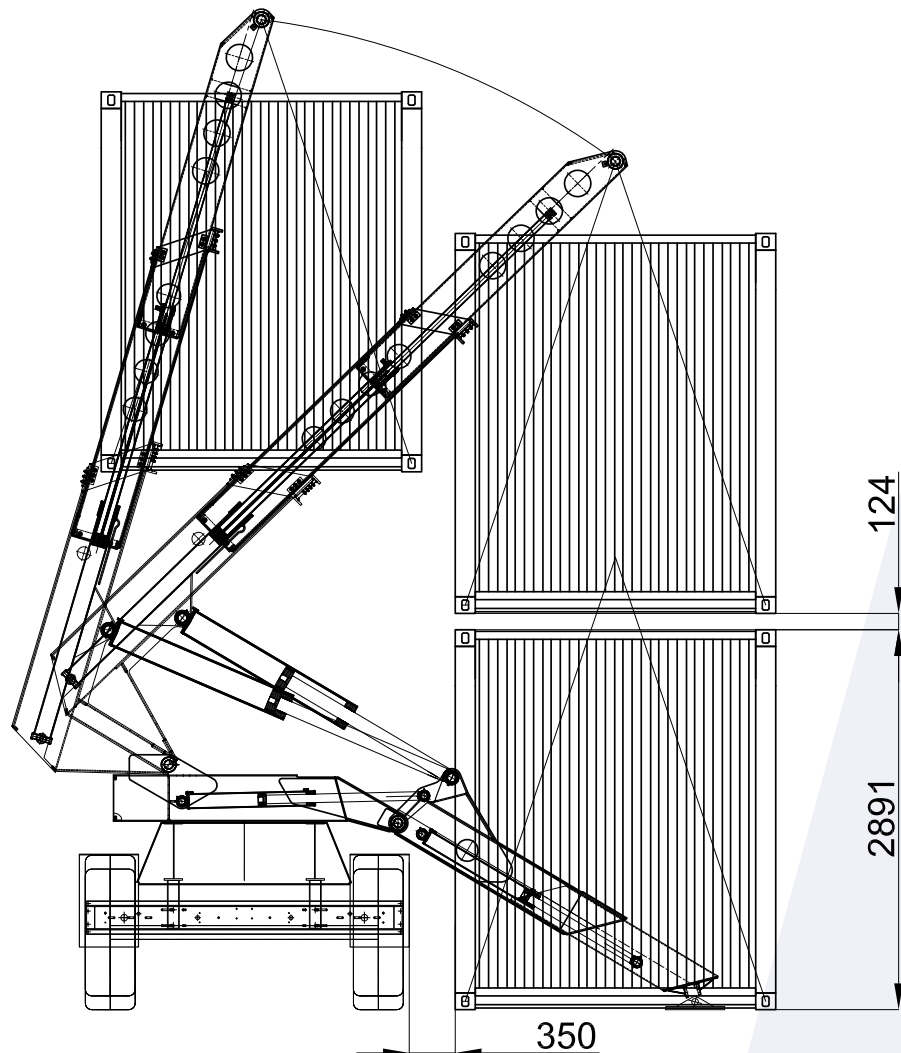




# CEPTORN SIDELOADER

THE ULTIMATE SOLUTION  
FOR TRANSPORT AND  
HANDLING CONTAINERS

CEPTORN | CRANES



Stacking two  
HQ Container  
36 tons

## THE BENEFITS

The Ceptorn Sideloader will make you independent, flexible, save you time and help you carry out your job extremely efficiently.

You don't need to schedule for a large forklift or mobile crane to load the container-trailer on the job site; your Ceptorn Sideloader does the entire job. It can load-transport-unload and stack any type of container up to 2 levels (incl. HQ container)\*, including flat racks from 20ft. to 45ft\*.

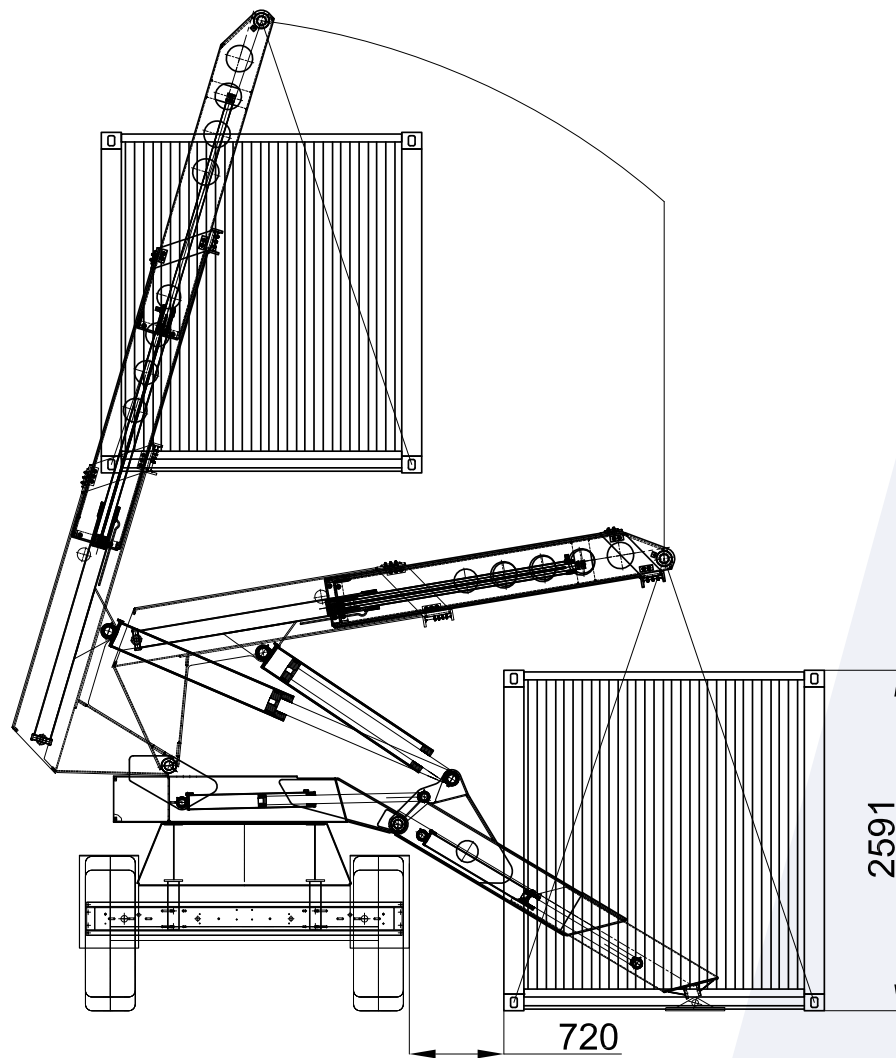
Lifting capacity of 36 tons ensures that an uneven loaded container is easily handled.

The adjustment of the cranes from 20ft. to 45ft\* is performed hydraulically and can be done very quickly.

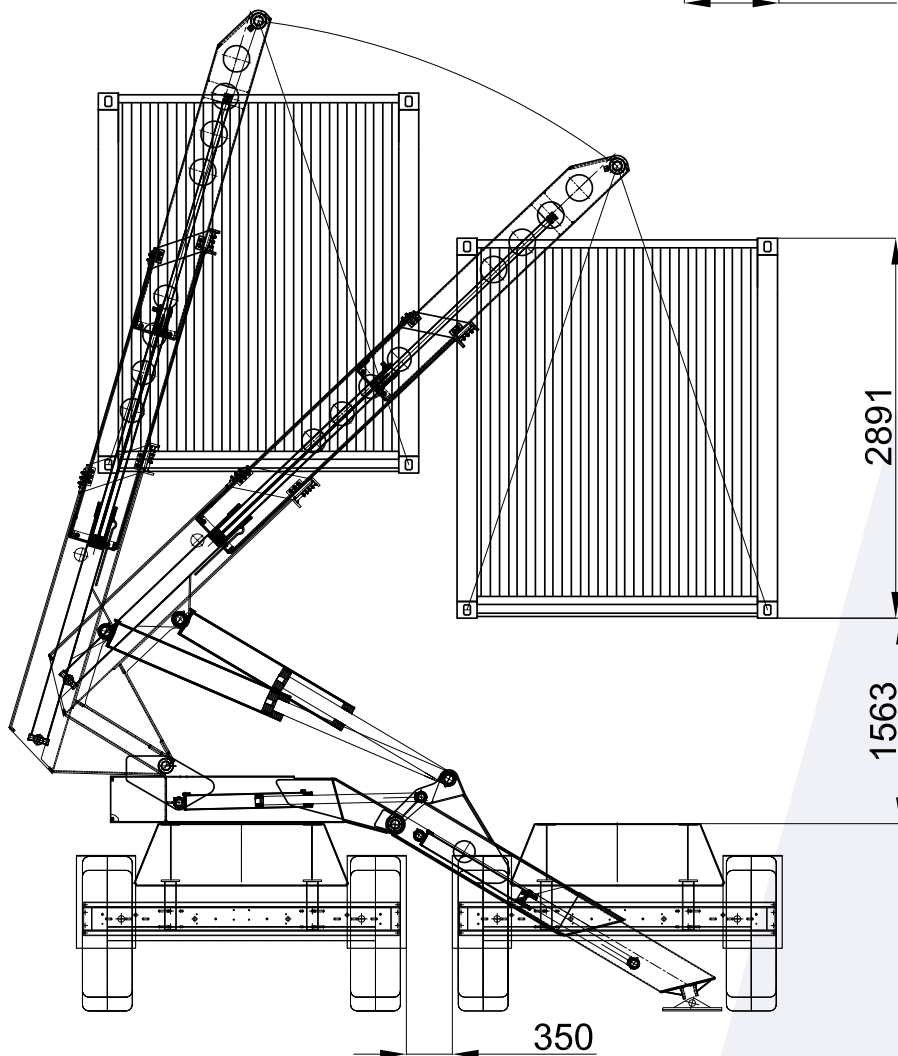
Due to the very narrow design of the cranes, the Ceptorn Sideloader is the shortest on the market, approx. 790mm longer than a standard container.

Each Herkules crane consists of a main lifting boom, with 2 step telescopic booms, operated by a double acting telescopic cylinder, integrated in the boom gear.

The welded construction of the crane, is made from extra high strength steel, which ensures the highest possible strength and still keeps down the deadweight for increased payload.

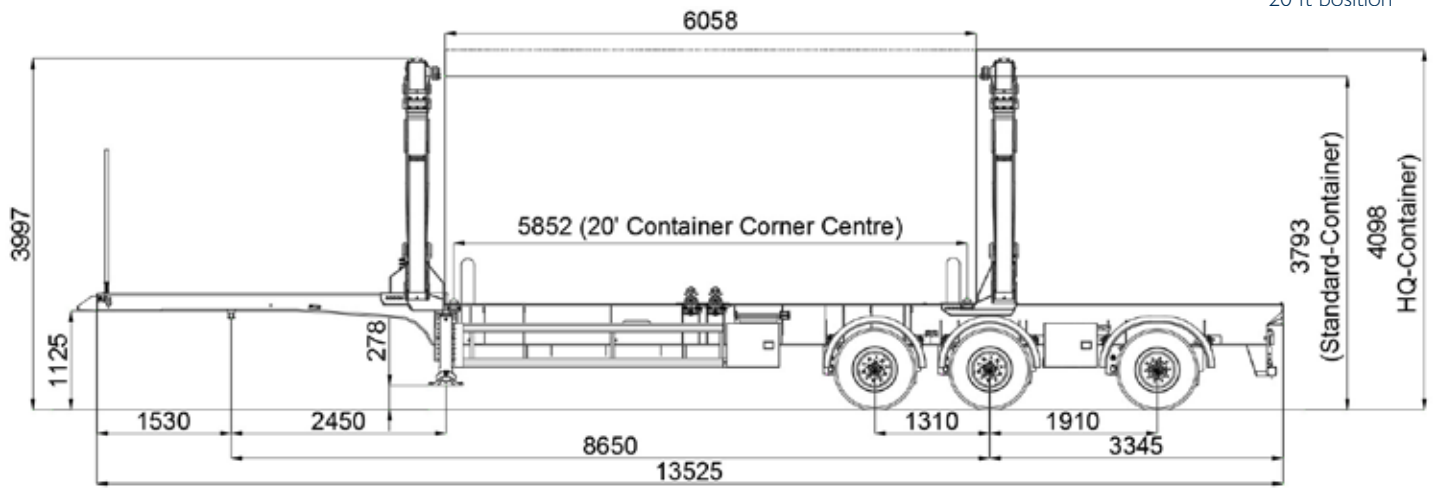


Lift/Pickup  
from ground  
36 tons

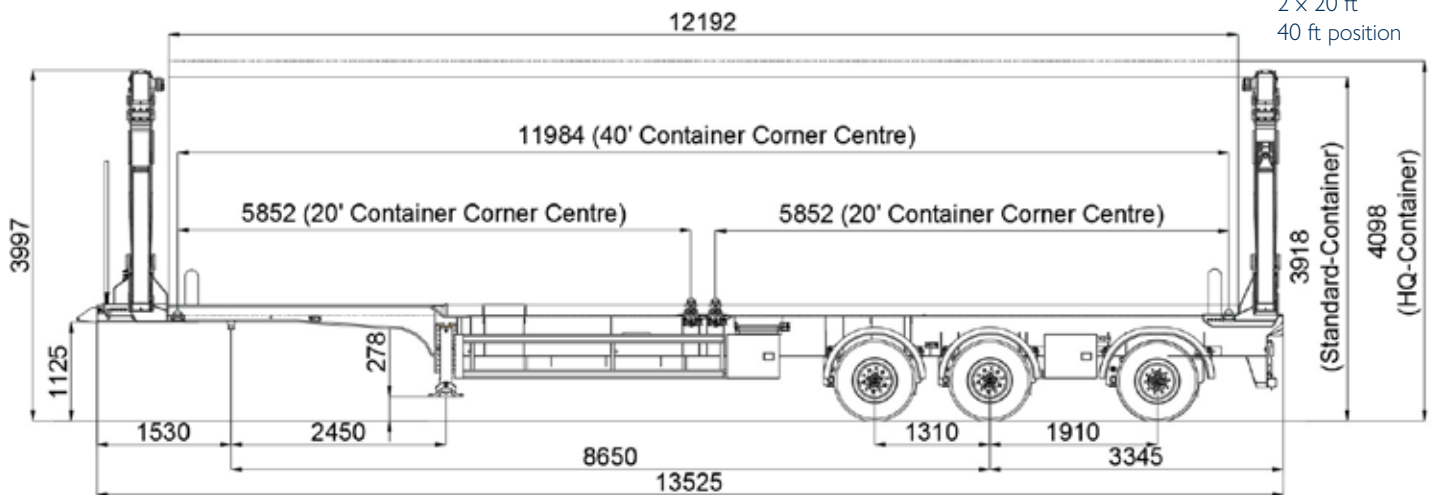


Lift/Pickup from  
another trailer or  
railway wagon  
36 tons

Sideloader  
Gooseneck  
20 ft position



Sideloader  
Gooseneck  
2 x 20 ft  
40 ft position





## THE DESIGN

The design, where the elevation cylinder is in-line with the knuckle outrigger, provides several advantages for the Ceptorn Sideloader. When the knuckle outrigger is placed in working position, the momentum arm from the elevation cylinder is doubled; this makes it possible to retain a small cylinder diameter.

Due to this type of construction, the momentum from the elevation cylinder is, transmitted directly from the knuckle outrigger down to the ground. The stress in the crane base and chassis is therefore brought to a minimum, and furthermore no torsion is present between the main lifting boom and outrigger. By integrating the crane and outrigger in-line, the length of the sideloader is only slightly longer than that of a standard container trailer. When the crane/outrigger is folded into transport position, it takes up less space than the cross section of a container.

All cylinders on the Ceptorn Sideloader are installed with robust low friction bearings, with special lubrication pockets to provide excellent lubrication, low maintenance and long life.

All cylinders on the Ceptorn Sideloader are of the double acting type, with a honed/roller burnish cylinder and hard chrome plated and burnished cylinder rods.

Because of the design, Ceptorn Sideloader has a very low tare weight.

## SAFETY

Integrated safety of the Ceptorn Sideloader makes handling easy and carefree. The unique geometry in the design prevents accidental placement of the container in an unstable position.

This means you don't need to struggle with extra outriggers at the backside of the sideloader, therefore ensuring fewer parts to be maintained.

Ceptorn Sideloader is equipped with a momentum-limiting valve which automatically interrupts the momentum increasing functions, should an overload occur. All momentum decreasing functions are still useable, and always allow the crane-operator to retract the sideloader, and safely continue the work.

Cylinders are equipped with pilot-operated check valves, over-center valves or hose burst valves. These valves will ensure that in case of failure in the hydraulic system, the suspended load will be kept in position.



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## COMPONENTS

All parts and components are delivered by European Suppliers. A sample of our co-operation partner is listed below.



**voestalpine**

**Rexroth**  
Bosch Group



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## TECHNICAL DATA

The Ceptorn SIDELOADER is fitted with automatic interruption of momentum increasing functions if an overload should occur; retaining the use of momentum decreasing functions, thus always allowing the crane-operator to retract the load, and safely continue the work.

The entire hydraulic system is overload protected by a main relief valve and individual port relief valves for each function.

The smoothly operated directional control-valve is supplied from a heavy duty, high pressure, fixed displacement, piston pump powered from the PTO. The crane is controlled from the portable radio remote controls.\*

LIFTING CAPACITY MAX.	36.000 kg
LIFTING CAPACITY MAX, EACH CRANE	18.000 kg
BOOM ELEVATION RANGE	-3°>+63°
SLIDGE CYLINDER TRAVEL	20' to 45'*
CONTROL VALVE	Proportional with Pressure compensation
PRIMARY CONTROL	Proportional portable radio remote control*
SECONDARY CONTROL	Direct lever control
PUMP	Fixed piston pump
WORKING PRESSURE	250bar
OVERALL HEIGHT CRANE	2.625 mm
OVERALL WIDTH CRANE	2.490 mm
HYDRAULIC TANK CAPACITY	160 Liter
HIGH PRESSURE FILTER W. INDICATOR AND BYPASS	10 µm
RETURN FILTER W. INDICATOR AND BYPASS	Depending Hydraulic Tank Setup

\* Option per customer specification

## MAIN BENEFITS

Stacking in two levels with HQ container on 36 tons.

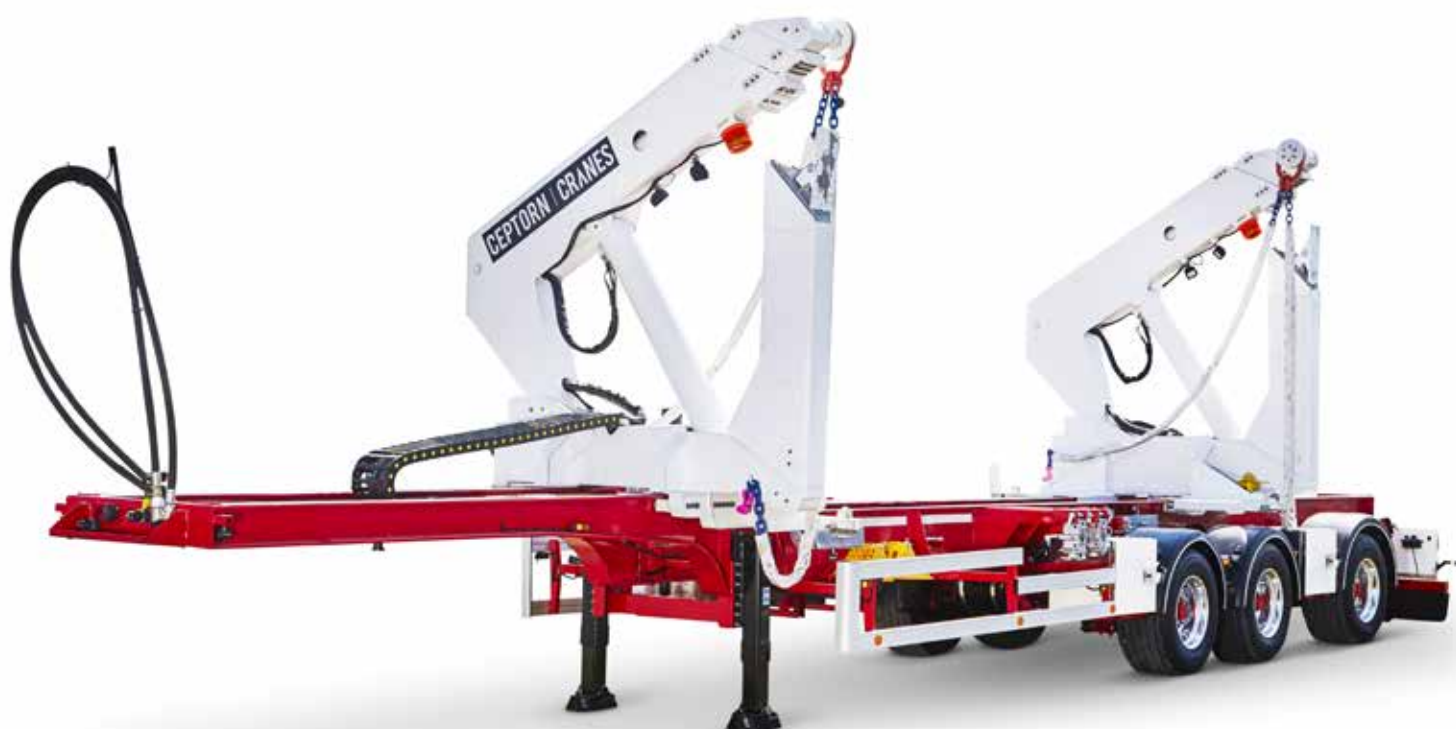
Designed after European standards

Produced since 1972

Radio cable control as standard

Model 2021

Narrow design



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## CONTACT

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