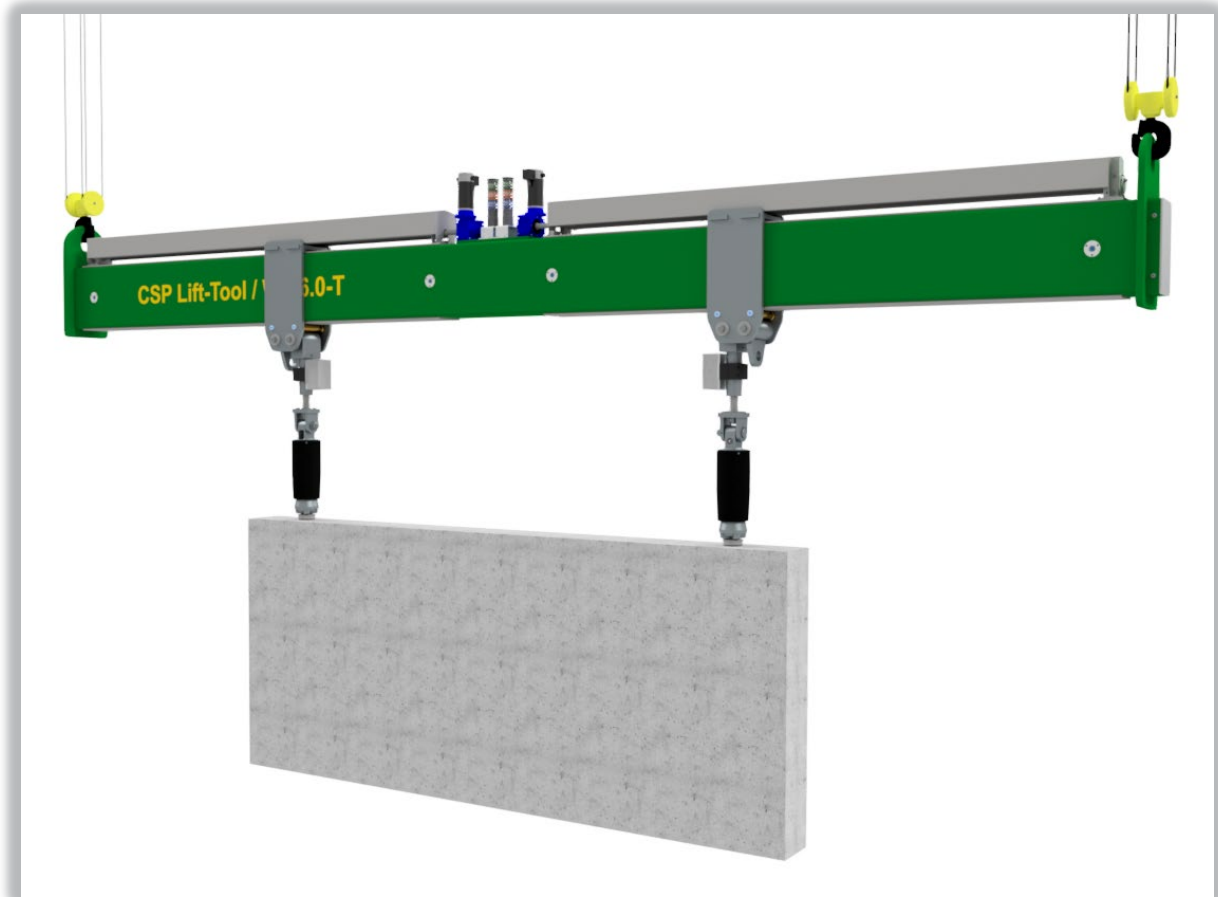


CSP LIFT-TOOL / WE

Automatic lifting tool for wall elements



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Automatic lifting tool for wall elements

CSP LIFT-TOOL / WE is used for automatic lifting/handling of wall elements from formwork tables to exit trolleys, as well as for internal handling at the warehouse.

CSP LIFT-TOOL / WE is supplied in two versions: Type T and C

Type T is where the lifting yoke is handled using tandem cranes, Type C is suspended in the center and is handled with a crane (or other form of handling, for example the Sennebogen) when suspended in the center, the two claws can be fitted with a "claw arm" which helps to control the yoke accurately above the element.

CSP LIFT-TOOL / WE is equipped with two independently electrically driven slides, each slide is fitted with a relief system as well as a claw system that can grip the pre-assembled adapter, lifting yoke is handled as standard by two parallel driven gantry cranes, the lifting yoke is equipped in the center with a signal lamp for indicating the claw units and the position of the adapter, thus ensuring safe lifting/handling of wall elements

CSP LIFT-TOOL / WE is operated using a remote control that operates both the crane and the lifting yoke. The lifting yoke's slides can be moved independently of each other, so that the two claws can be placed and lowered over the adapter, each claw has a built-in indicator that ensures the adapter is positioned correctly in the claw, after which the claw can be closed (signal light indicates when adapter and claw are locked) the unique construction between claw and adapter ensures stable and safe lifting/handling of the wall element, when the element needs to be released, the signal light ensures that the claws have released the adapter, thus the lifting boom is free.

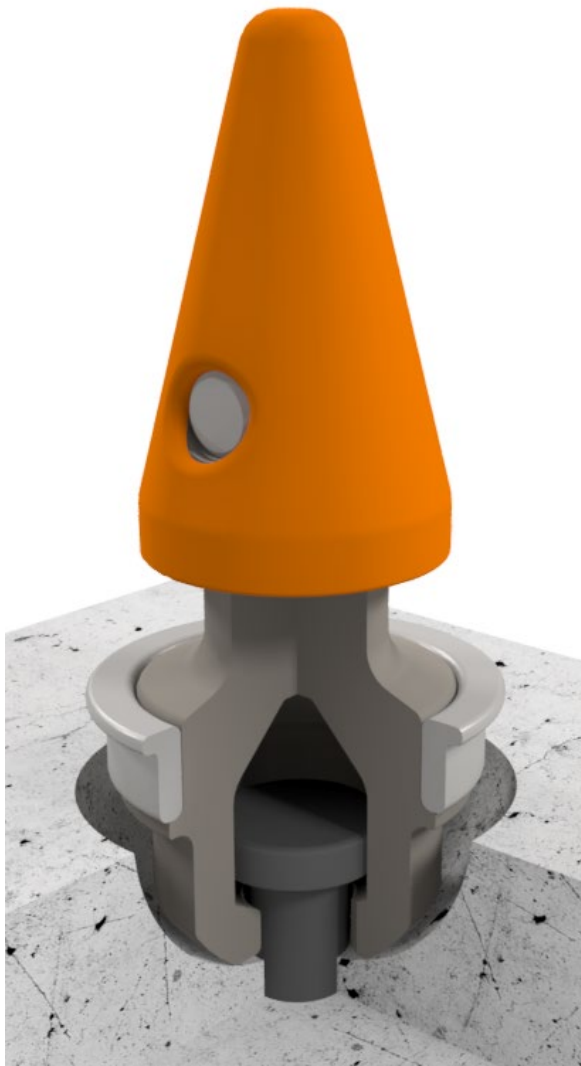
CSP LIFT-TOOL /WE is supplied with power from the gantry crane as standard, just as the lifting yoke functions are operated using the crane controls. *

*) In cases where the existing crane operation cannot be rebuilt with additional functions for handling lifting yokes, we can offer a wireless control.

The CSP LIFT-TOOL /WE is designed for a maximum element weight of 20 t and a transverse distance between the anchors between 100 and 750 cm* both dimensions can be adjusted according to individual wishes and needs.

CSP LIFT-TOOL /WE is delivered type-approved and CE marked, CSP LIFT-TOOL / WE is patented DK-180303.

CSP-Adapter



Adapter

The picture illustrates CSP adapter placed on a DEHA anchor, the adapter is two-part and also consists of a "locking ring". Adapter and locking ring are delivered hot-dip galvanized and the cone is painted with a color that indicates lifting class, CSP adapter is delivered for the following lifting classes - / DEHA anchors:

(see separate brochure)

For correct handling and storage of the CSP adapter, there is a specially designed CSP-Adapter Rack

(see separate brochure)

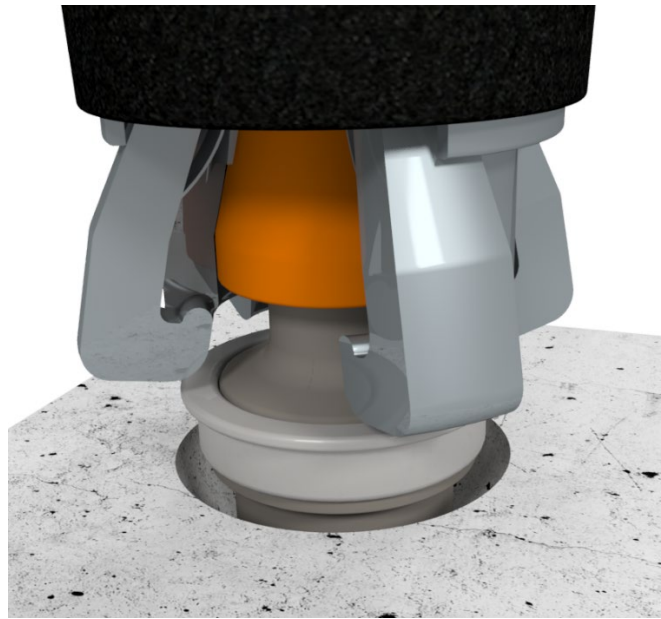
CSP Adapters "DEHA" are specially designed for use on DEHA anchors and are used together with CSP Lift-Tool type WE.

Type SWL	Color code on cone:	Weight:	Steel-quality:	Surface treatment:
2,5 tons	Green RAL 6037	ca. 5 kg	SGJ-700	heat galvanized
5,0 tons	Black RAL 9017	ca. 5 kg	SGJ-700	heat galvanized
7,5 tons	Red RAL 3028	ca. 5 kg	SGJ-700	heat galvanized
10 tons	Orange RAL 2008	ca. 5 kg	SGJ-700	heat galvanized

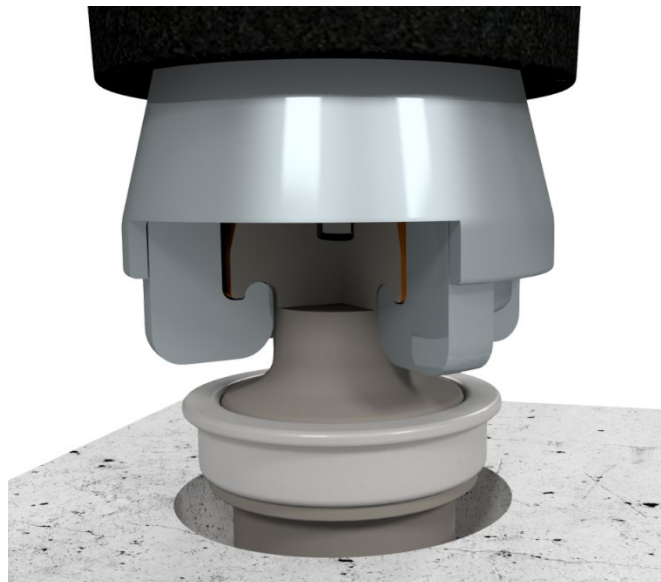
CSP Adapters are patented: PAT DK-180303



CSP LIFT-TOOL / WE CLAW-UNIT



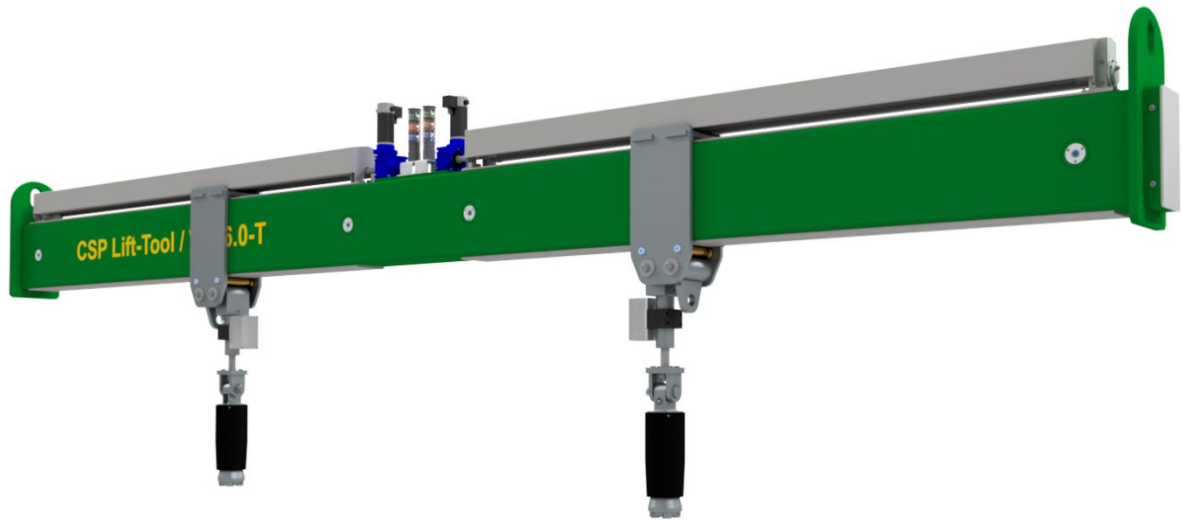
Claws, open



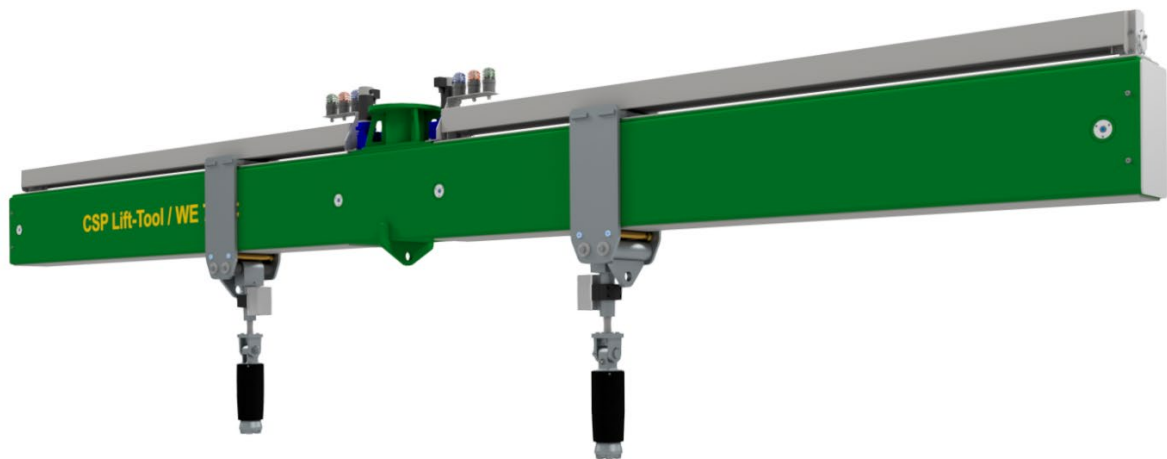
Claws engaged and locked

The claw unit is telescopically suspended so that it is relieved when set down and can thus be released more easily, the same applies when the claw is positioned correctly over the adapter, here the relief will again ensure that the weight from the lifting boom does not have to be taken up by the element.

Claws are designed in such a way that when properly engaged in the adapter, they are "locked" so that the claw cannot accidentally release as long as the claw is loaded.

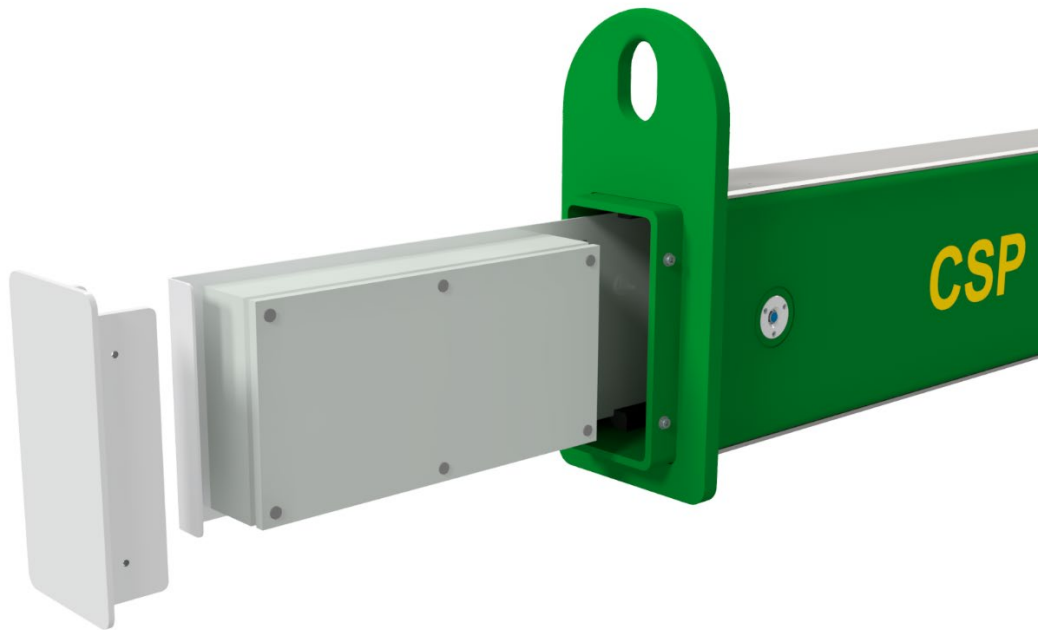


CSP LIFT-TOOL / WE-6,0 (tandem)



CSP LIFT-TOOL / WE-7,5 (center)

CSP Lift-Tool WE is made in lengths and with the suspension that the customer wants, inductive sensors mounted in the beam ensure that the slides stop.



Electrical board

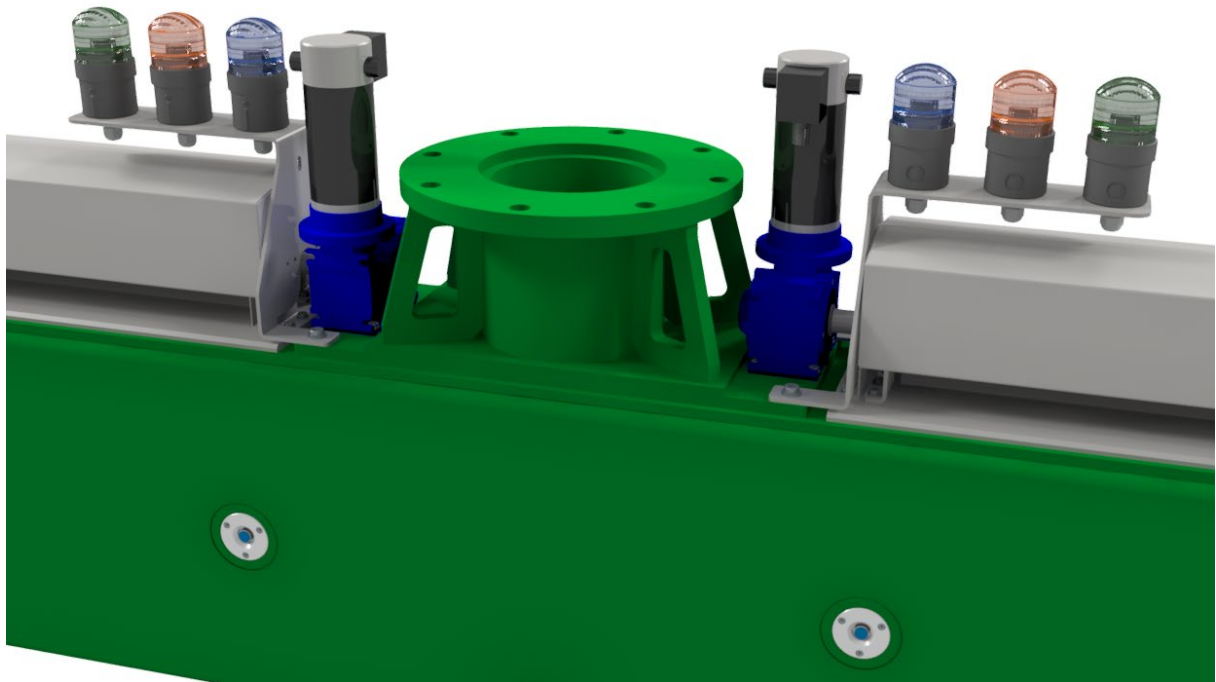
The electrical board and **cable routing** are mounted on a rail system inside the crane beam itself, thereby protecting the board against impact, dust and water, access to the board is via an aluminum end cover which is dismantled by loosening four bolts.

+ picture of chains

CSP Stand for lifting yoke



The stand is specially designed for safe storage and storage of the CSP Lift-Tool WE when not in use, the design of the stand ensures stable, safe and gentle storage.
(see separate brochure)



Signal-light for A og B claw

Lifting booms are fitted with 2*3 signal lights (LED)

Lamps indicate whether claws A and B are closed or open, and that the adapter is correctly positioned in the claw.

Lamps can both flash and shine continuously.

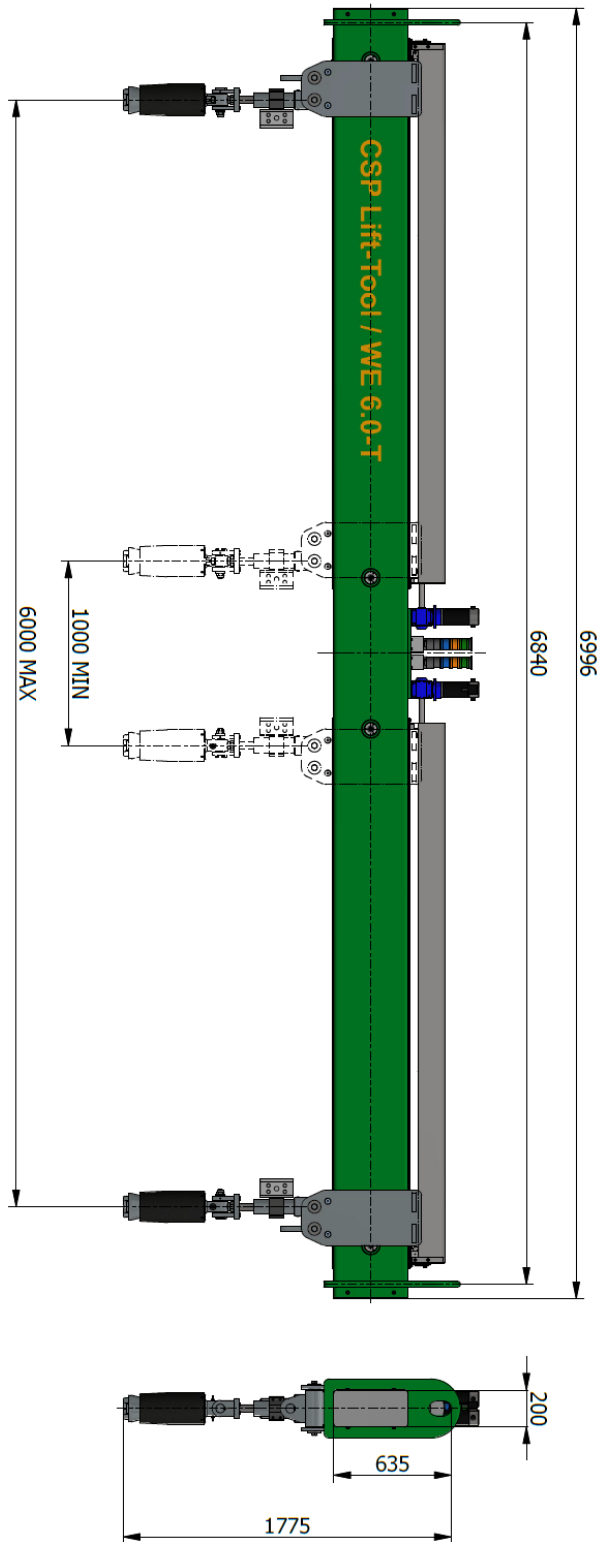
[A]-[B]: Green flash = Adapter is in place in claw and claw is closed

[A]-[B]: Blue flashing = Adapter is in place in claw

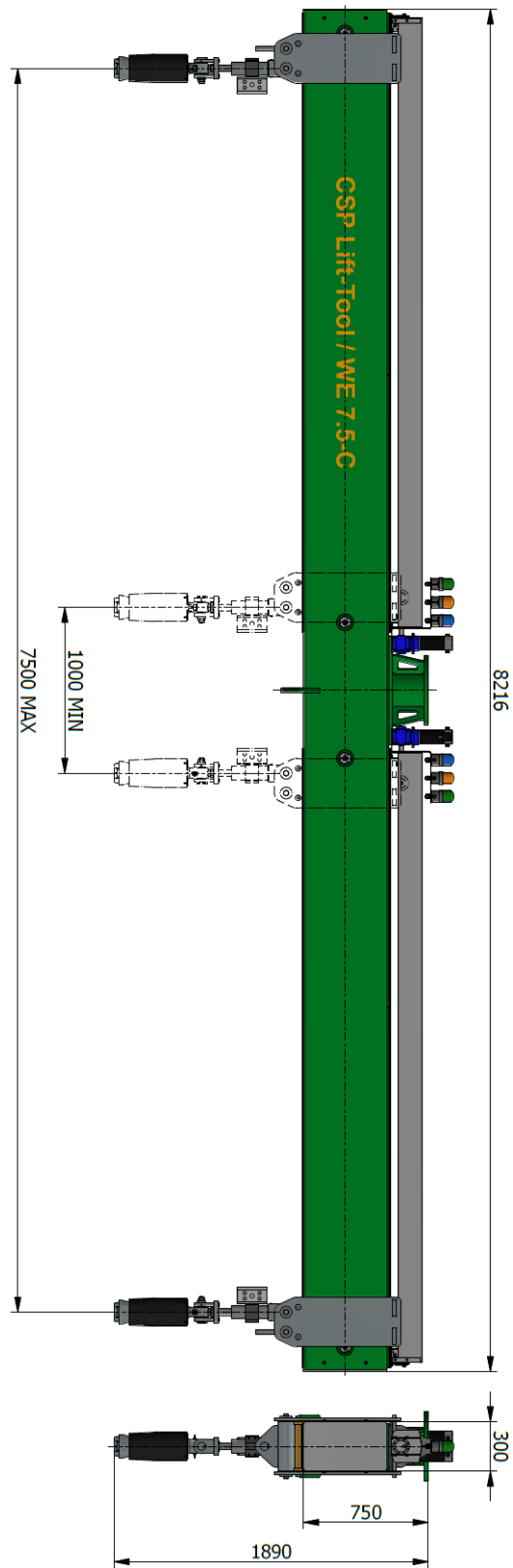
[A]-[B]: Orange and blue flashes = Claw A is closed

A+B: Orange constant means that both adapters are positioned correctly and that both claws are closed and the element can be handled carefully

A+B: Constant green means that adapters are "away" and that both claws are open, and the lifting yoke is again "free"



Dimensional sketch type CSP LIFT-TOOL / WE-6.0



Dimensional sketch type CSP LIFT-TOOL / WE-7,5



CSP LIFT-TOOL / WE-7,5 (center)



CSP LIFT-TOOL / WE-6,0 (tandem)

Main component makes:

PLC: Siemens Logic
Plug: Harting
Signal light: Schneider Led.
Actuator Claw: Consensus
Inductive sensors: Sick
Gear motor: Nordgear
Spindle: T24, C45 Bornemann
Spindle nut: T24, RG7 Bornemann
Slide bearing: PE-HD1000
Chains etc.: Certex

Surface treatment:

Lifting-tool:

Bar: Reingrün RAL 6037
Slides: Electro-galvanized
Claw arr.: Electro-galvanized
Stainless steel: Pickled

Installation requirements:

Supply voltage: 24V-50A
Communication: potential-free signal via cable. It is recommended that supply and signal cables have automatic winding.
1 piece is included. loose Harting female connector for crane connection of lifting yoke.